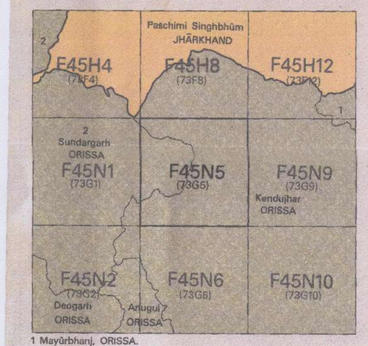
निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45N5

Scale 1:50,000



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009. Price : Rs. 50 / -

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 and pass. Foot-path
Streams: with track in bed; undefined. Canal
Dams: masonry or rock-filled; earthwork. 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 constrn
Railways, other gauges: double; single with distance stone; do
Mineral line or tramway. Kiln. Cutting with tunnel
Contours with sub-features. Rocky slopes. Cliffs
Sand features: (1)list.(2)sand-hills (permanent). (3)dunes(shifting)
Towns or Villages: inhabited; deserted. Fort
Huts: permanent; temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgāh. Tomb. Graves
Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage
Mine. Vine on trellis. Grass. Scrub
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
Areas: cultivated; wooded. Surveyed tree
Boundary, international
" state: demarcated; undemarcated
" district; subdivision, tehsil or tāluk; forest
Boundary pillars: surveyed, unlocated
Heights, triangulated: station; point; approximate. 200 .200 .200
Bench-mark: geodetic; tertiary; canal BM 63·3 .BM 63·3 .63
Post office. Telegraph office. Overhead tank
Rest house or Inspection bungalow. Circuit house. Police station
Camping ground. Forest; reserved; protected CG RF PF
Spaced names: administrative; locality or tribal KIKRI NĀGA
Hospital. Dispensary. Veterinary: Hospital / Dispensary
Aerodrome. Helipad. Tourist site
Power line: with pylons surveyed; with poles unsurveyed

REFERENCES

NH 215 National Highway No. 215. SER South Eastern Railway.

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, .8r, represents the approximate height, in metres, between the top and bottom of a steep slope.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribands.
The district and subdivision boundaries in this sheet have been surveyed as pointed out by the local officials on the ground, but have not been verified by the District authorities.
The reserved forest boundary of Khajurdihi Reserved Forest in squares A / 4 & 5 has been taken from Forest maps.
Hand Pump is shown thus.....!.

COMPILATION INDEX

A Compiled from 1:25,000 survey 1973-74, 78-79. Updated for major details during 2005-08.

Projection – UTM Datum – WGS 84

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

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

Metres 1000 500 0 1 2 3 Kilometres

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
Bhubaneshwar – 751013
Fax : 0674 – 2301418

WEBSITE – www.surveyofindia.gov.in

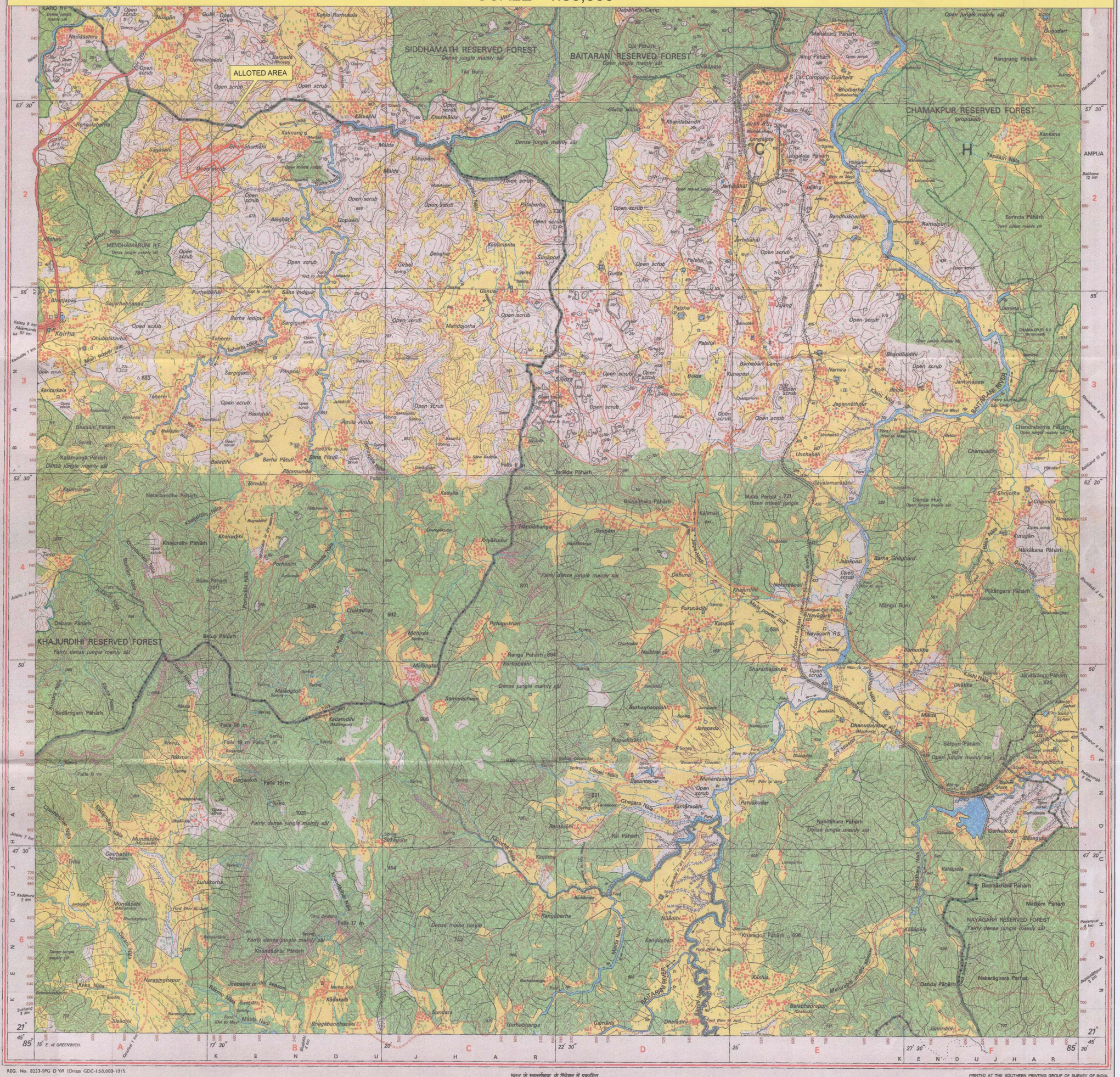
Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

TOPO MAP SHOWING THE LOCATION OFSAGASAHI-GHORABURHANI IRON ORE MINES IN VILLAGE SAGASAHI, KALAMANGA & GHORABURHANI UNDER KOIRA TAHASIL TAHASIL OF KEONJHAR DISTRICT ALLOTED TO M/S ESSAR STEEL INDIA LIMITED

REFERANCE TOPO SHEET NO - F45 N5

0 1,150 2,300 4,600 6,900 9,200 Meters

SCALE - 1:50,000



REG. No. 8253-SPG D '09 (Orissa GDC-I:50,000-1015).

भारत के महासर्वेक्षक के निदेश में प्रकाशित,
Published under the direction of Surveyor General of India,
Survey of India, Hāthibarkala Estate, Post Box No. 37, Dehra Dūn-248001 (Uttarākhand),

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.

ESSAR STEEL INDIA LIMITED
Authorised Signatory
ESSAR STEEL INDIA LTD.

Mining Office, Koira
Coulter मिश्रा

Koira, Dist. Sundargarh

Revenue Inspector
Koira

Tahsildar
KOIRA

RANGE OFFICER
KOIRA FOREST RANGE