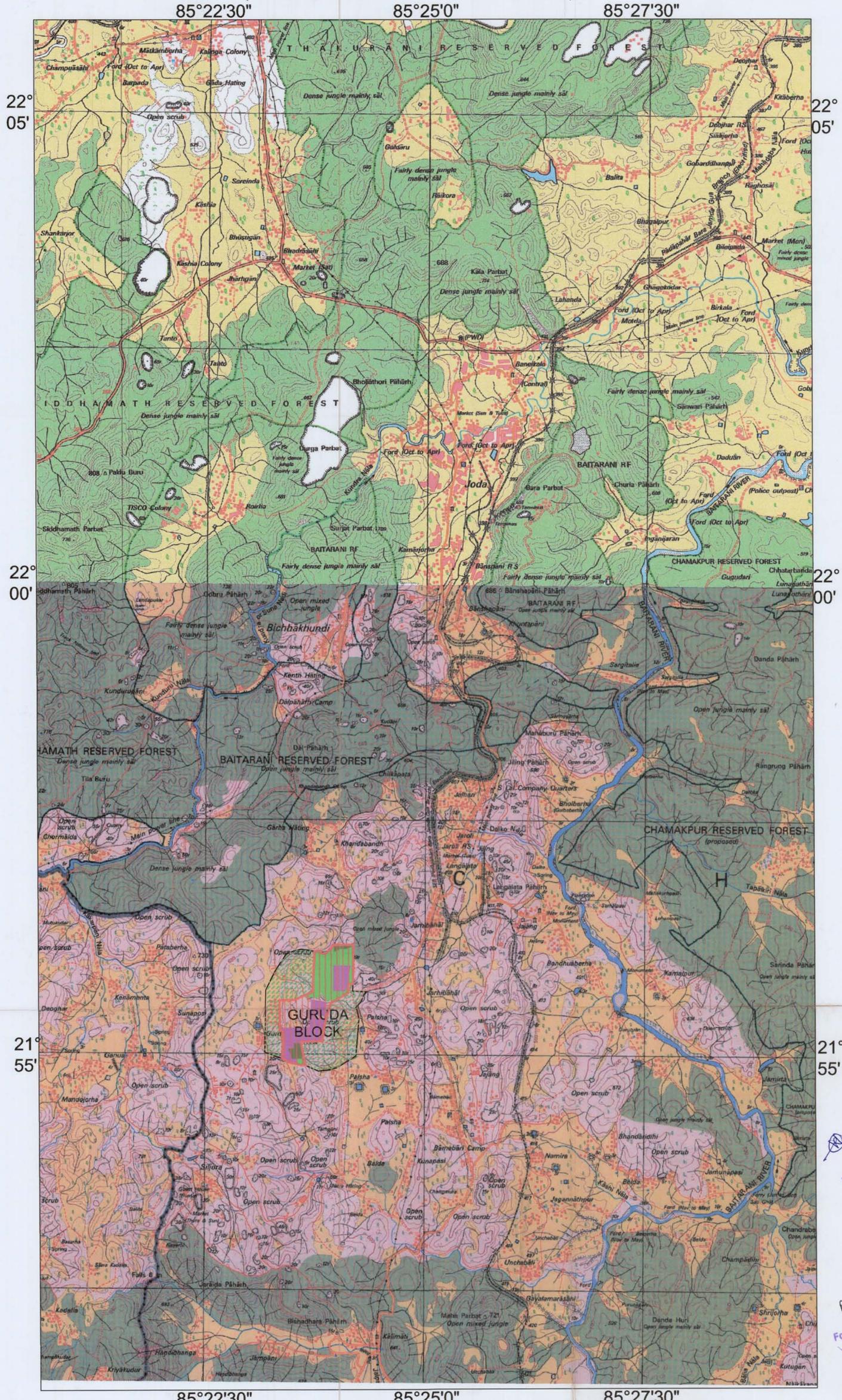
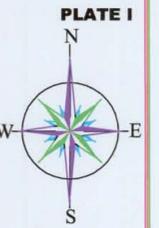


PLAN SHOWING GURUDA BLOCK OF TIRING PAHAR MINING LEASE OVER 417.61 ACRES OR 169.000 HECTARES & BOUNDARY OF HAL FOREST LAND OVER 68.914 HECTARES & SABIK FOREST LAND OVER 64.260 HECTARES

SCALE : 1 : 50000
 REFERENCE TO TOPOSHEET NO 73G/5 & 73F/8
 (NEW TOPOSHEET NO F45N5 & F45H8)



Huts: permanent; temporary; Tower; Antiquities	250	200	150
Temple, Chhatri, Church, Mosque, Idgah, Tomb, Graves			
Lighthouse, Lightship, Buoy; Lighted; unlighted; Anchorage			
Mine, Vein on trails; Grass, Scrub			
Palm; palms; other; Plantain, Conifer, Bamboo, Other trees			
Area: cultivated; wooded; Surveyed tree			
Boundary, International			
state; demarcated; undemarcated			
district; subdivision, tahsil or Taluk; 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	RF	RF	
Placed names: administrative; locality or tribal	KIKRI	NAGA	
Hospital, Dispensary, Veterinary Hospital / Dispensary			
Aerodrome, Helipad, Tourist site			
Power line: with pylons surveyed; with poles unsurveyed			

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, Tank; 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, Kiri, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features: (1)flat, (2)sand-hills (permanent), (3)dundas/shifting	
Towns or Villages: inhabited; deserted; Fort	

LEGEND	
ORIGINAL LEASE BOUNDARY	
APPLIED FOR RENEWAL BOUNDARY	
KHESERA FOREST AREA	
DLC FOREST AREA	
NON FOREST AREA	
N.F LAND RECORDED AS FOREST AS ON 25.10.80	

ORIGINAL ML AREA

APPLIED RML AREA

(Signature)
 28/11/17
 Sr. Surveyor
 To the Deputy Director of Mines
 Joda, Dist. Keonjhar

(Signature)
 23-6-17
 Deputy Director, Mines
 Joda, Dist. Keonjhar

(Signature)
 23-6-17
 ASILDAR
 BARBIL

(Signature)
 9/10/2017
 Forest Section Officer
 Joda

(Signature)
 9/11/17
 Forest Range Officer
 Champura Range

FOR TATA STEEL LTD.
 By their Constituted Attorney
(Signature)
 (GANESH PRASAD SAHU)
 Head (Ferro Alloys Production)
 Ferro Alloys & Minerals Division

TIRINGPAHAR MANGANESE MINE
KEY PLAN
TATA STEEL LIMITED
Ferro Alloys and Mineral Division
SCALE : 1:50000 DRG.NO. FAMD/L&LP/01/2016