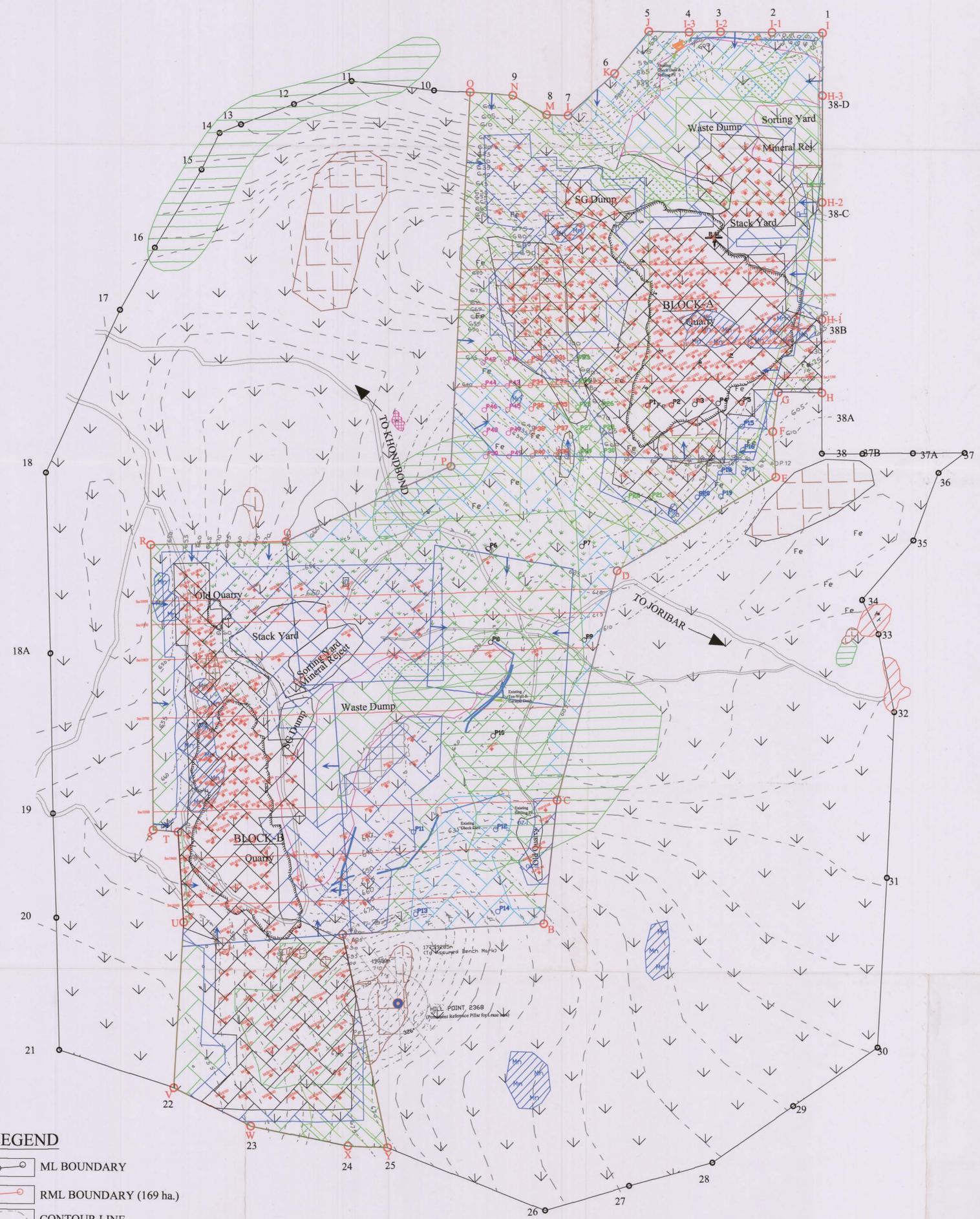
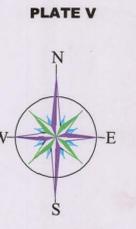


TATA STEEL LIMITED
SURFACE GEOLOGICAL PLAN OF
GURUDA BLOCK OF TIRING PAHAR MINING LEASE OVER 417.61 ACRES OR 169.000 HECTARES
IN VILLAGES GURUDA NO.53, KHANDABANDHA NO.40 & JADIBAHAL NO.51
UNDER BARBIL TAHASIL AND CHAMPUA SUB-DIVISION OF KEONJHAR DISTRICT OF ORISSA
SCALE : 16" = 1 MILE OR 1 : 3960



LEGEND

- ML BOUNDARY
- RML BOUNDARY (169 ha.)
- CONTOUR LINE
- ROAD
- INFRASTRUCTURE
- WASTE DUMP
- QUARRY OUTLINE
- KHESRA FOREST
- DLC FOREST
- NON FOREST AREA
- PLANTATION AREA
- PERMANENT REFERENCE POINT
- APPROVED DIVERTED AREA
- BENCH MARK
(N-11693.675 & E-12091.569)
- CHECK DAM & SETTLING PIT
- TOE WALL & GARLAND DRAIN

	SOIL/ALLUVIUM
	ALLUVIUM WITH FLOAT OF IRON/MN ORE
	LATERITE
	LATERITE WITH FLOATS OF IRON ORE
	BHU
	CHERT
	MANGANESE
	SHALE

	BH 2015-16
	BH 2016-17
	BH 2017-18
	BH 2018-19
	BH 2019-20
	Area Explored under G1 Category
	Area Explored under G2 Category
	Area Explored under G3 Category
	Area Explored under G4 Category

(Handwritten signatures and stamps)
 Deputy Director, Mines
 Joda, Dist. Keonjhar
 Sr. Supervisor
 Joda

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

9/10/2016
 Forest Section Officer
 Champua Range