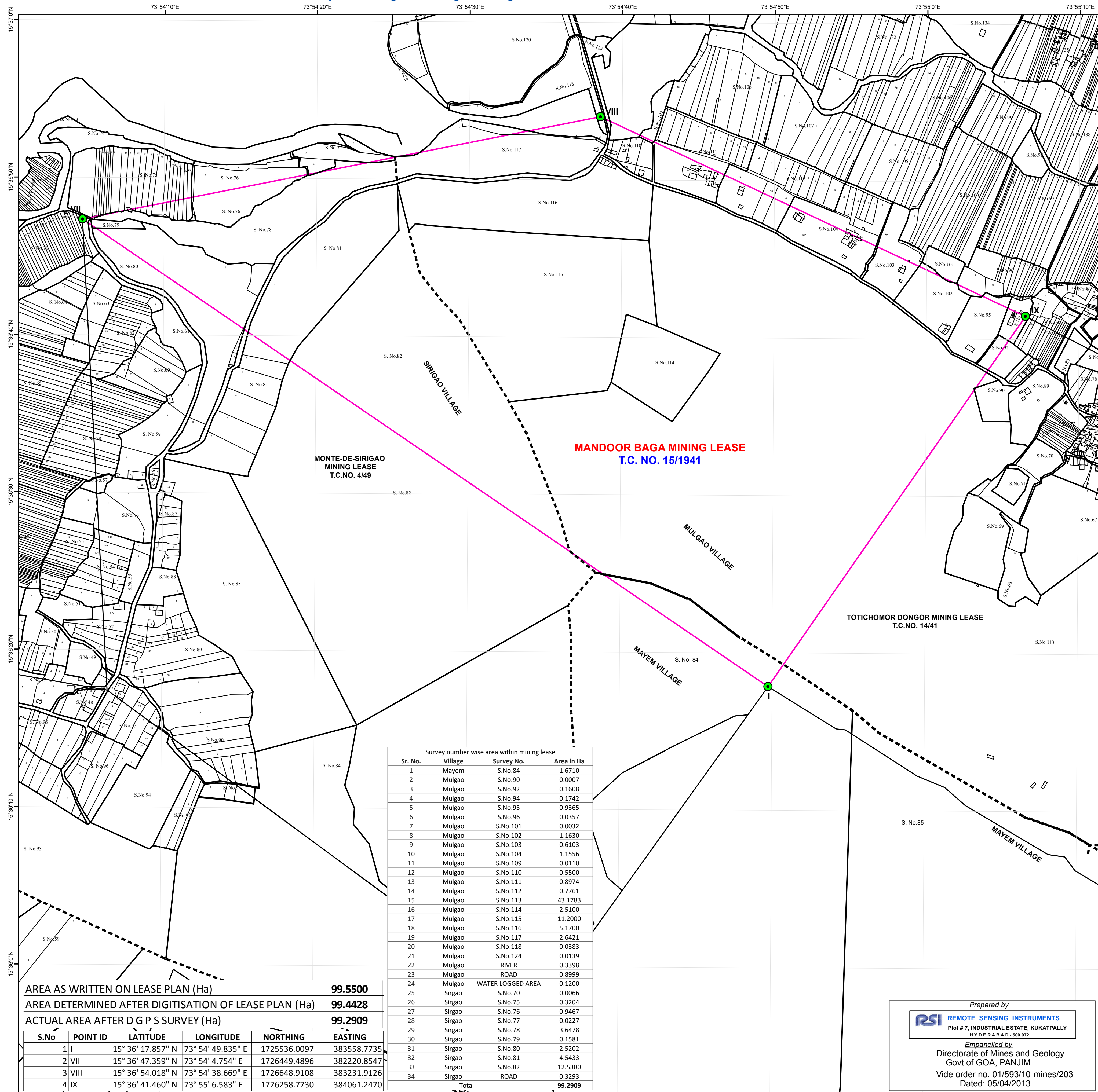


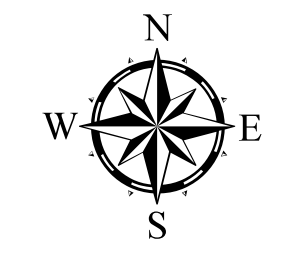
Geo Referenced Cadastral Map of Mandoorbaga Mining Lease, bearing T.C. No. 15 of 1941, situated in Mayem , Mulgao & Sirigao Villages of Bicholim Taluka, North Goa District, Goa State.



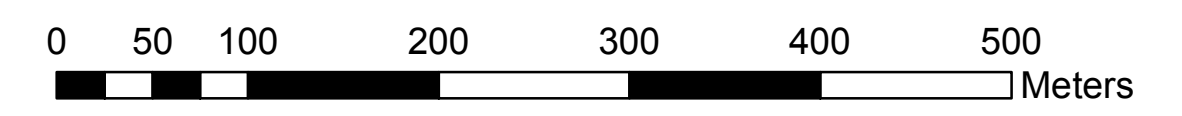
AREA AS WRITTEN ON LEASE PLAN (Ha)	99.5500				
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	99.4428				
ACTUAL AREA AFTER D G P S SURVEY (Ha)	99.2909				
S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	VI	15° 36' 17.857" N	73° 54' 49.835" E	1725536.0097	383558.7735
2	VII	15° 36' 47.359" N	73° 54' 4.754" E	1726449.4896	382220.8547
3	VIII	15° 36' 54.018" N	73° 54' 38.669" E	1726648.9108	383231.9126
4	IX	15° 36' 41.460" N	73° 55' 6.583" E	1726258.7730	384061.2470

Prepared by
RSI REMOTE SENSING INSTRUMENTS
 Plot # 7, INDUSTRIAL ESTATE, KUKATPALLY
 HYDERABAD - 500 072
 Empanelled by
 Directorate of Mines and Geology
 Govt of GOA, PANJIM.
 Vide order no: 01/593/10-mines/203
 Dated: 05/04/2013

Date of DGPS Survey : 17th Jun 2013



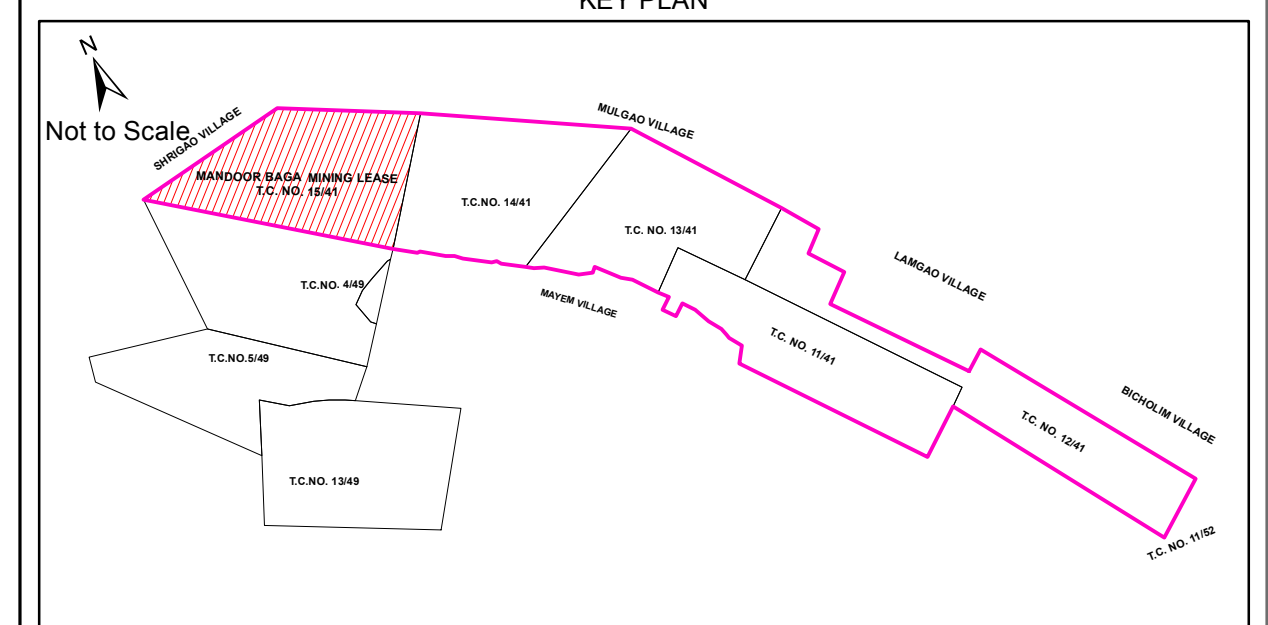
SCALE 1:3,960



Legend

- DGPS POINT OF LEASE BOUNDARY
- LEASE BOUNDARY AS PER DGPS SURVEY
- ADJACENT LEASE BOUNDARY
- SURVEY No BOUNDARY
- SUB-DIVISION OF THE SURVEY No
- TALUKABOUNDARY
- VILLAGE BOUNDARY

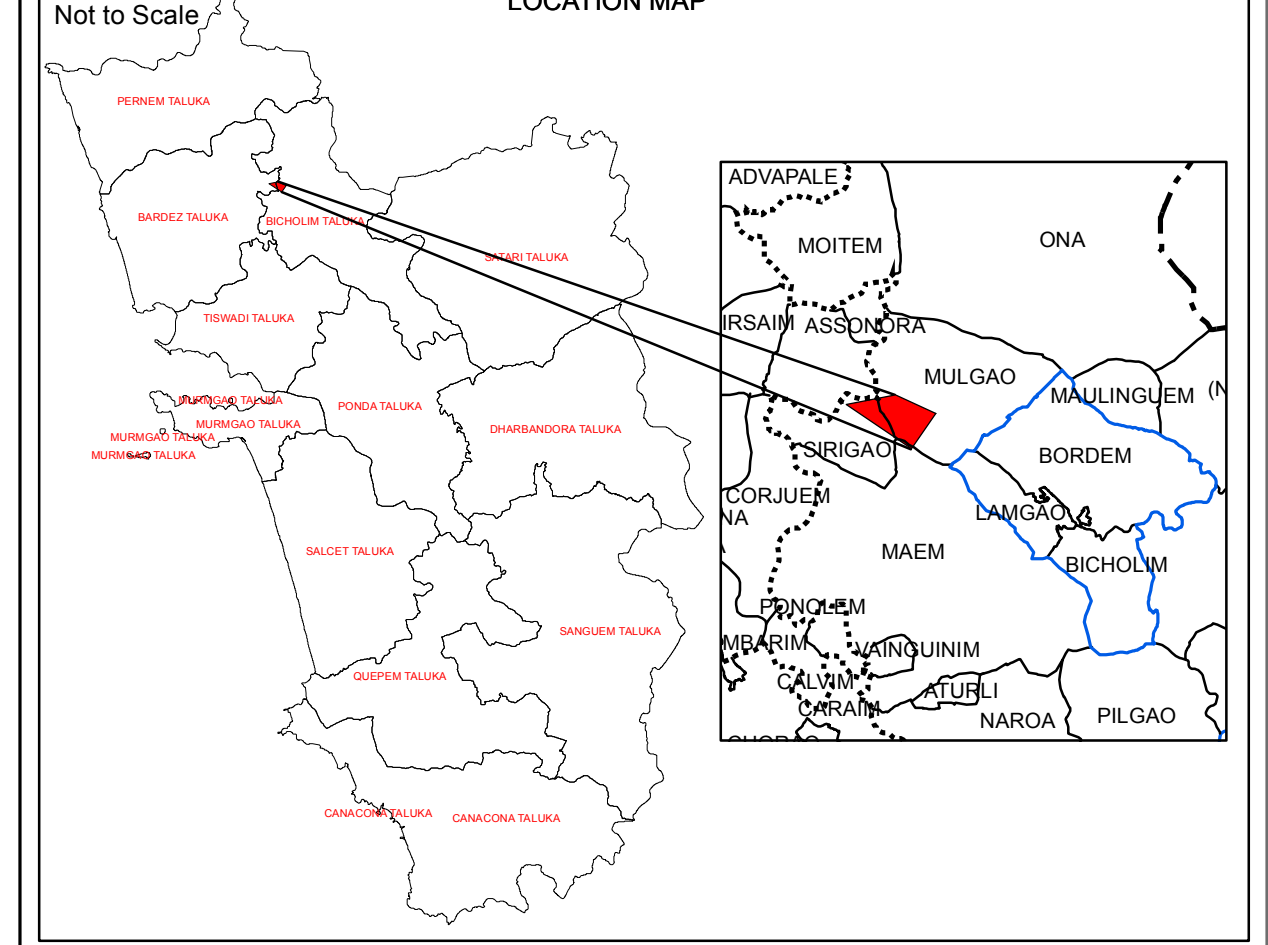
KEY PLAN



DATUM : WGS 84

PROJECTION : UTM_Zone_43N

LOCATION MAP



CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No.15 of 1941 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. Shrishaila Gowda
(Mines Manager)

Note: Bicholim Mine is consisting of 5 Contiguous Leases bearing T. C. Nos. 11/41, 12/41, 13/41, 14/41 & 15/41.

CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 15 of 1941, shown by Mr. Shrishaila Gowda (Mines Manager) has been surveyed by our team led by Shri. Ch. Sivaiah using DGPS (Differential Global Positioning System) instruments. The lease map and pillar locations have been verified, survey conducted and plans prepared as per requirement of IBM Circular No. 2/2010 dated 6-4-2010

For Remote Sensing Instruments

Shri. B.V Ramana Kumar
(General Manager)

Directorate of Mines and Geology - Panaji -Goa	
Checked by	Certified by
Surveying officer	Director of Mines and Geology