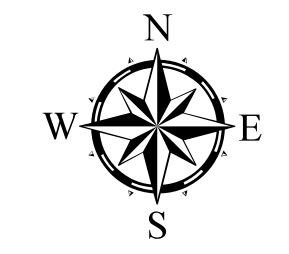
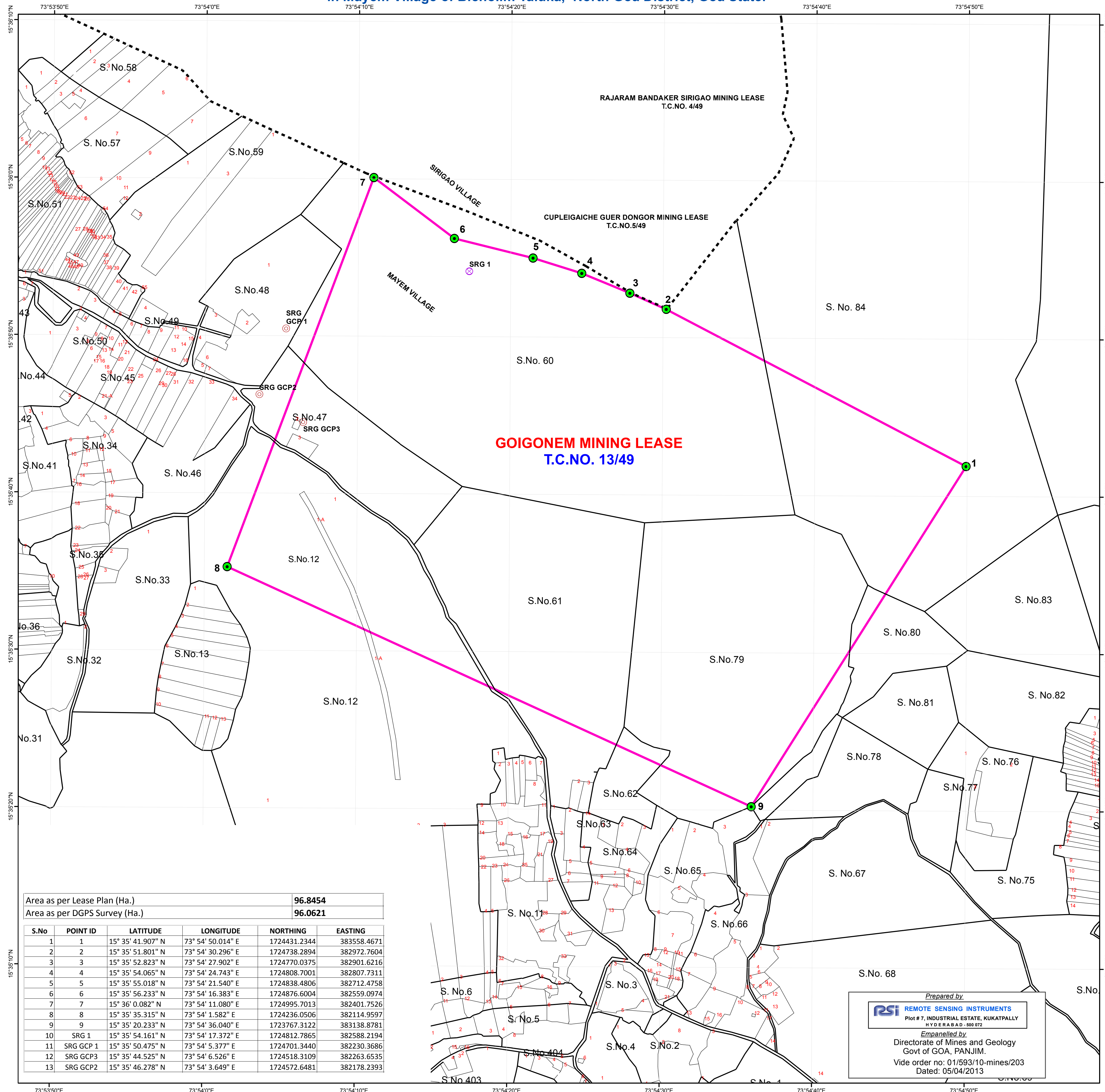
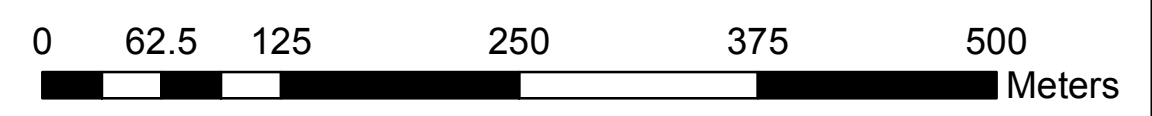


CHOWGULE AND COMPANY PRIVATE LIMITED, CHOWGULE HOUSE, MORMUGAO HARBOUR-GOIA.
Geo Referenced Cadastral Map of Goigonem Mining Lease, bearing T.C. No. 13 of 1949, situated
in Mayem Village of Bicholim Taluka, North Goa District, Goa State.

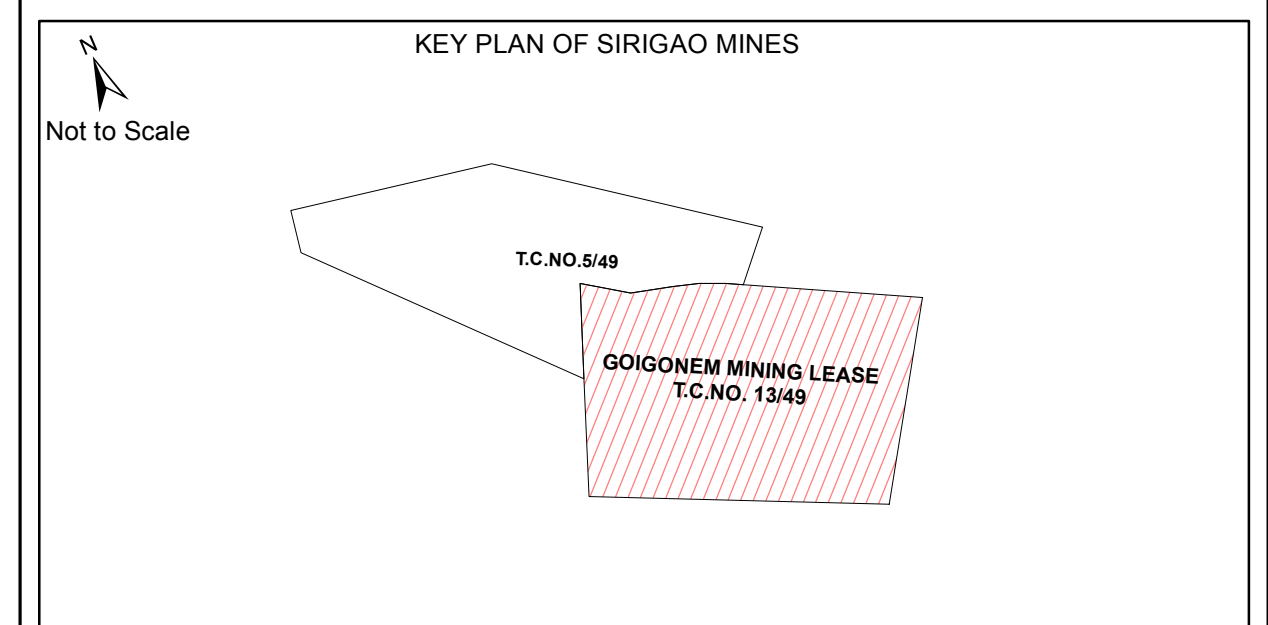


SCALE 1:3,960

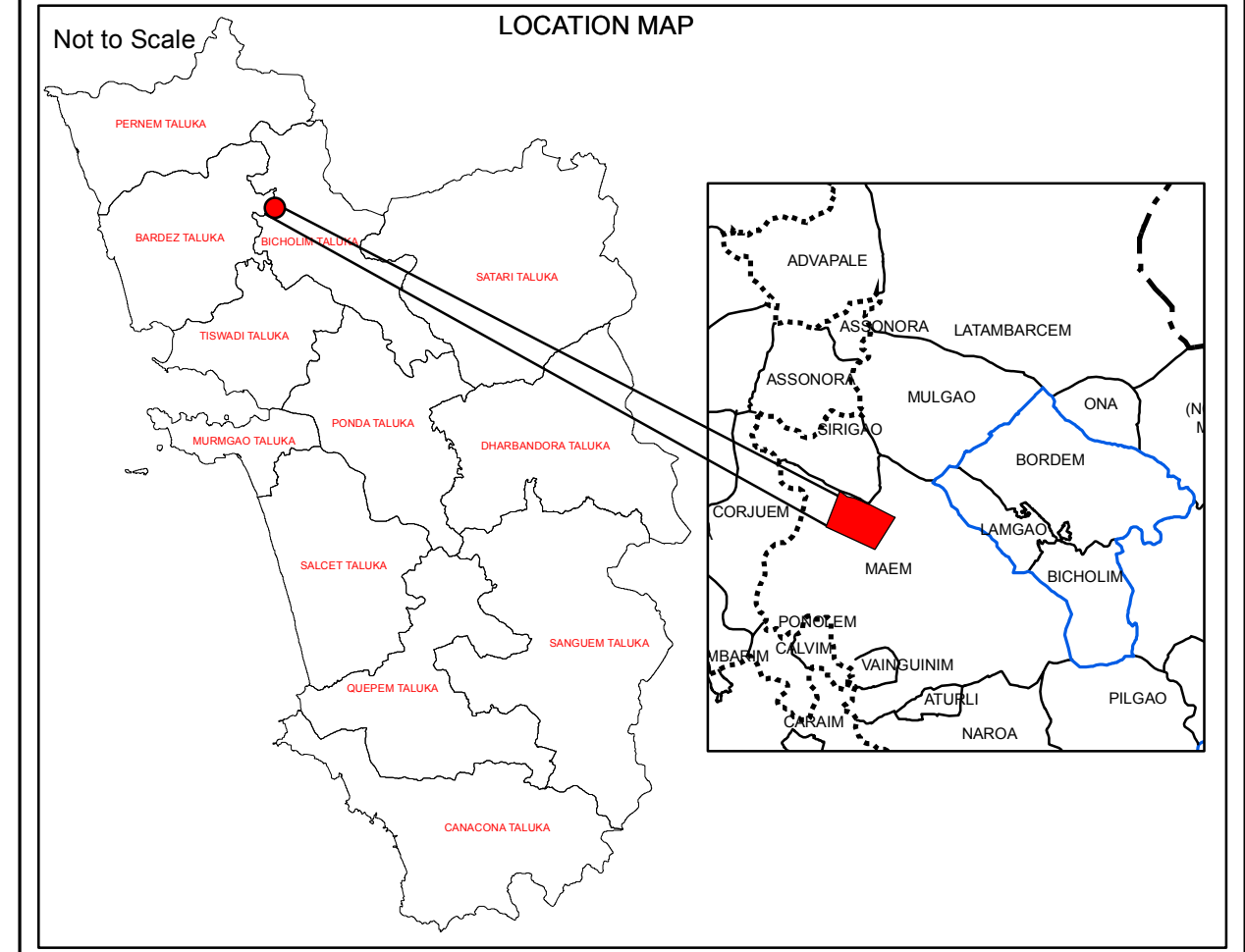


Legend

- DGPS POINT OF LEASE BOUNDARY
- LEASE BOUNDARY AS PER DGPS SURVEY
- SURVEY No BOUNDARY
- SUB-DIVISION OF THE SURVEY No
- VILLAGE BOUNDARY
- BASE STATION
- GROUND CONTROL POINTS



DATUM : WGS 84
 PROJECTION : UTM_Zone_43N



CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 13 of 1949 have been surveyed and fixed on the ground by using Total Station and the same are surveyed by using DGPS (Differential Global Positioning System).

Mr.R.G.CHODANKAR
(Mines Manager)

CERTIFICATE

This is to certify that the lease boundary pillars of T.C.No. 13 of 1949, shown by Mr.R.G.CHODANKAR (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 06-04-2010.

For Remote Sensing Instruments
Shri. B.V Ramana Kumar
(General Manager)

Area as per Lease Plan (Ha.)	96.8454
Area as per DGPS Survey (Ha.)	96.0621

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	1	15° 35' 41.907" N	73° 54' 50.014" E	1724431.2344	383558.4671
2	2	15° 35' 51.801" N	73° 54' 30.296" E	1724738.2894	382972.7604
3	3	15° 35' 52.823" N	73° 54' 27.902" E	1724770.0375	382901.6216
4	4	15° 35' 54.065" N	73° 54' 24.743" E	1724808.7001	382807.7311
5	5	15° 35' 55.018" N	73° 54' 21.540" E	1724838.4806	382712.4758
6	6	15° 35' 56.233" N	73° 54' 16.383" E	1724876.6004	382559.0974
7	7	15° 36' 0.082" N	73° 54' 11.080" E	1724995.7013	382401.7526
8	8	15° 35' 35.315" N	73° 54' 1.582" E	1724236.0506	382114.9597
9	9	15° 35' 20.233" N	73° 54' 36.040" E	1723767.3122	383138.8781
10	SRG 1	15° 35' 54.161" N	73° 54' 17.372" E	1724812.7865	382588.2194
11	SRG GCP 1	15° 35' 50.475" N	73° 54' 5.377" E	1724701.3440	382230.3686
12	SRG GCP 3	15° 35' 44.525" N	73° 54' 6.526" E	1724518.3109	382263.6535
13	SRG GCP 2	15° 35' 46.278" N	73° 54' 3.649" E	1724572.6481	382178.2393

Prepared by
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 : 1 & 2nd Jun 2013

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