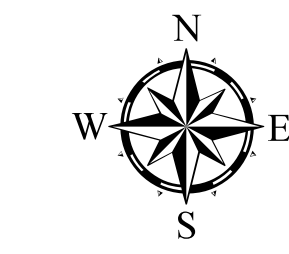
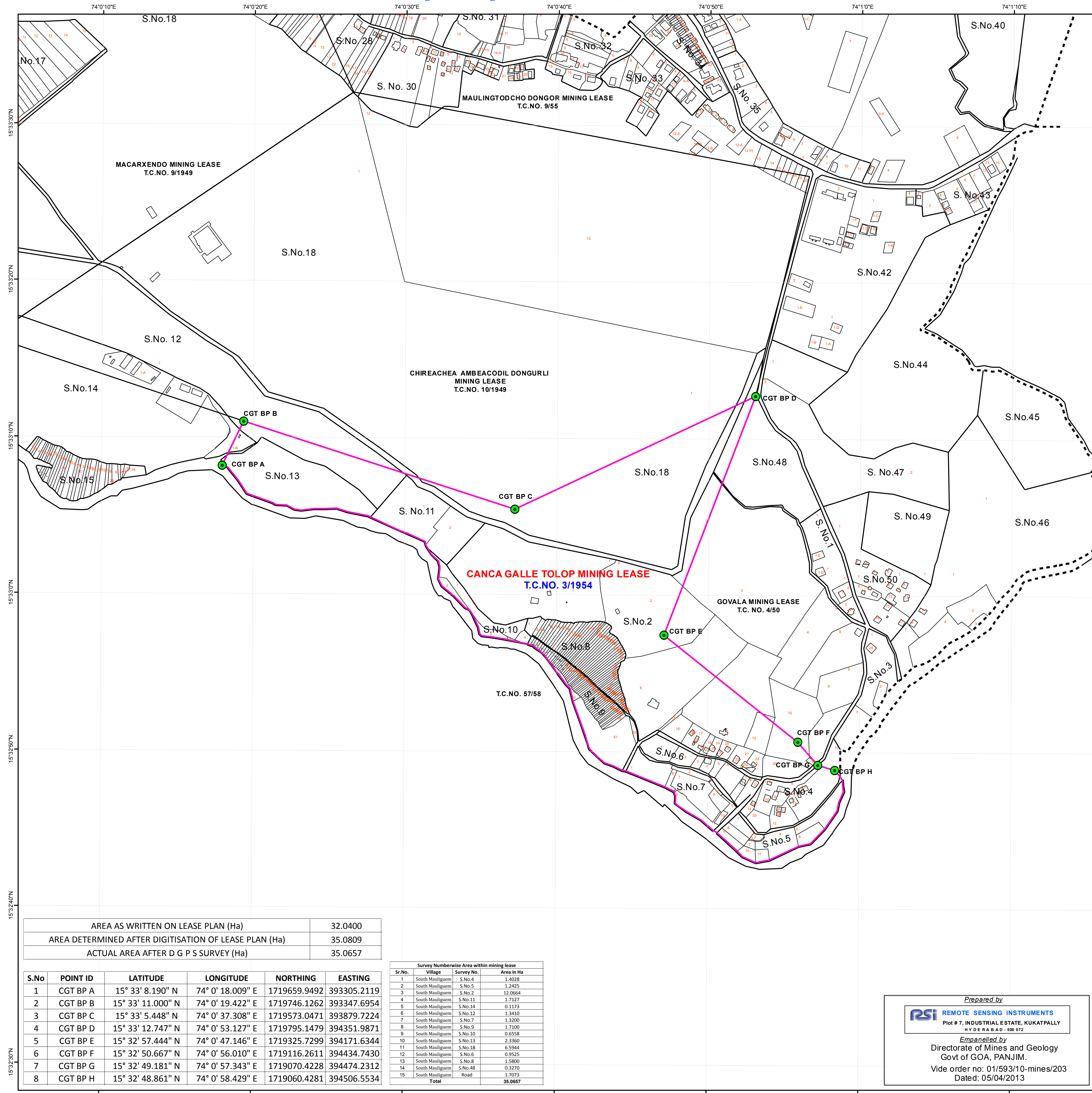
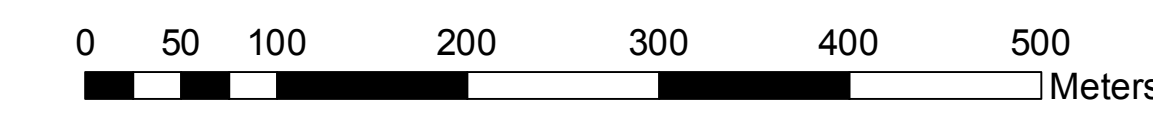


Geo Referenced Cadastral Map of Canca Galle Tolop Mining Lease, bearing T.C. No. 3 of 1954, situated in South Maulinguem Village of Bicholim Taluka, North Goa District. Goa State



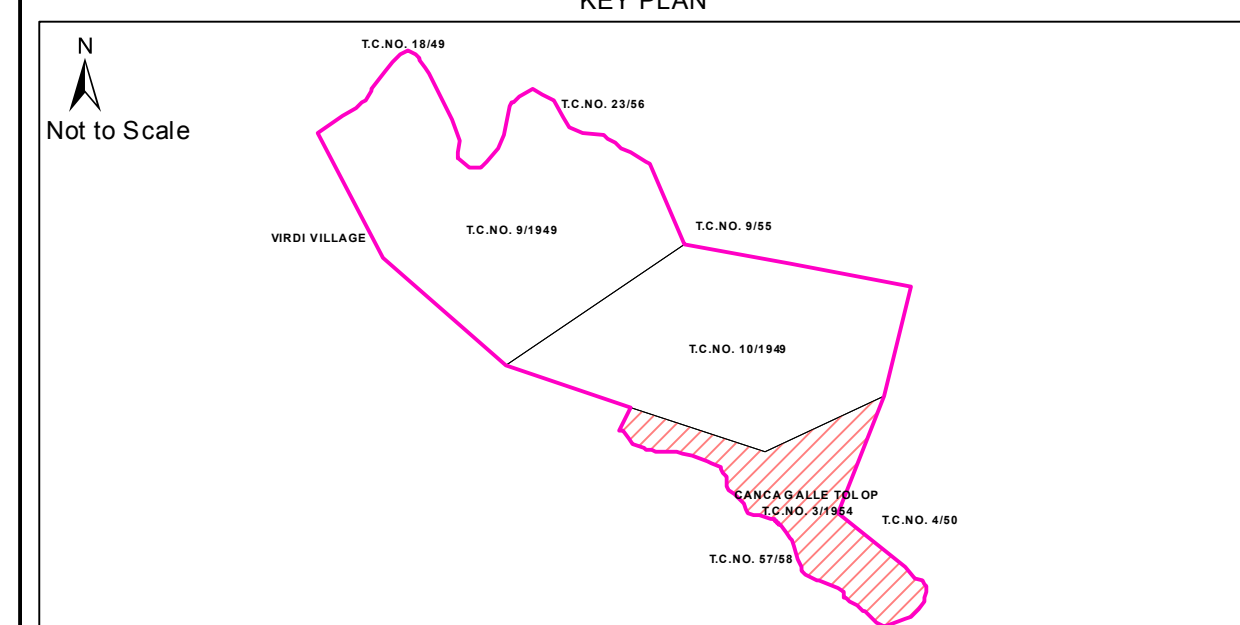
SCALE 1:3,960



Legend

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

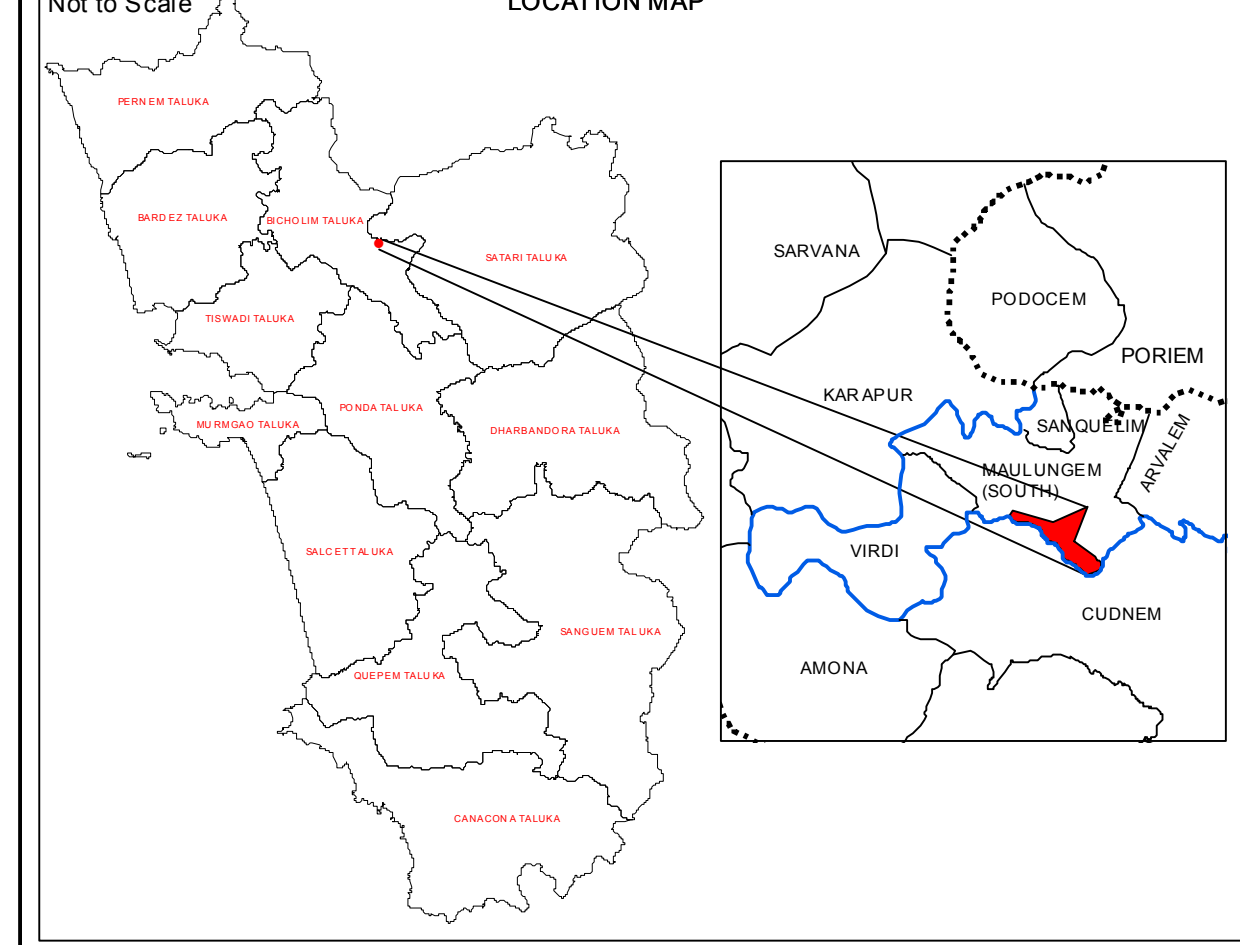
KEY PLAN



DATUM : WGS 84

PROJECTION : UTM_Zone_43N

LOCATION MAP



CERTIFICATE

This is to certify that the lease boundary pillars of T. C. No.3 of 1954 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr.Nassir Shaikh
(Mines Manager)

Note: Sanquelim Mine is consisting of 3 contiguous leases bearing T C No. 10/49, 9/49 & 3/54.

CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 3 of 1954, shown by Mr.Nassir Shaikh (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. 22010 dated 6-4-2010.

For Remote Sensing Instruments

Shri. B.V Ramana Kumar
(General Manager)

AREA AS WRITTEN ON LEASE PLAN (Ha)	32.0400
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	35.0809
ACTUAL AREA AFTER D G P S SURVEY (Ha)	35.0657

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	CGT BP A	15° 33' 8.190" N	74° 0' 18.009" E	1719659.9492	393305.2119
2	CGT BP B	15° 33' 11.000" N	74° 0' 19.422" E	1719746.1262	393347.6954
3	CGT BP C	15° 33' 5.448" N	74° 0' 37.308" E	1719573.0471	393879.7224
4	CGT BP D	15° 33' 12.747" N	74° 0' 53.127" E	1719795.1479	394351.9871
5	CGT BP E	15° 32' 57.444" N	74° 0' 47.146" E	1719325.7299	394171.6344
6	CGT BP F	15° 32' 50.667" N	74° 0' 56.010" E	1719116.2611	394434.7430
7	CGT BP G	15° 32' 49.181" N	74° 0' 57.343" E	1719070.4228	394474.2312
8	CGT BP H	15° 32' 48.861" N	74° 0' 58.429" E	1719060.4281	394506.5534

Survey Numberwise Area within mining lease		
Sr.No.	Village	Area in Ha
1	South Maulinguem	1.4028
2	South Maulinguem	1.2495
3	South Maulinguem	12.0664
4	South Maulinguem	1.7127
5	South Maulinguem	0.1173
6	South Maulinguem	1.9410
7	South Maulinguem	1.3200
8	South Maulinguem	1.7100
9	South Maulinguem	0.6558
10	South Maulinguem	2.2360
11	South Maulinguem	6.5944
12	South Maulinguem	0.9525
13	South Maulinguem	1.5800
14	South Maulinguem	0.3270
15	South Maulinguem	1.7073
Total		35.0657

Prepared by
RSI REMOTE SENSING INSTRUMENTS
Plot # 7, INDUSTRIAL ESTATE, KUKATPALLY
HY DE RA B AD - 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: 20 May, 2013

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