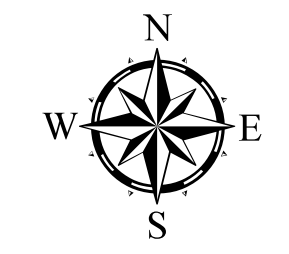
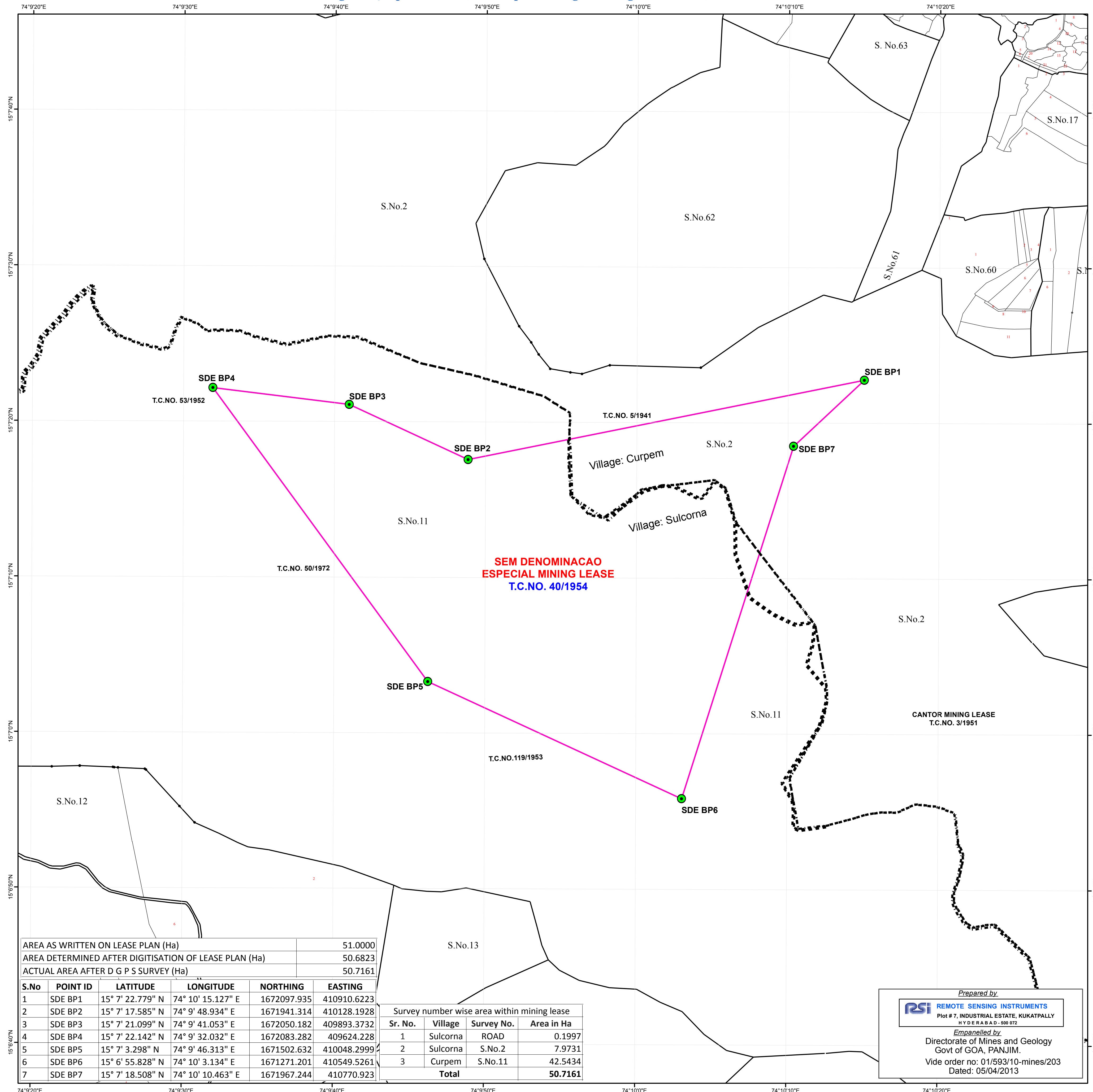
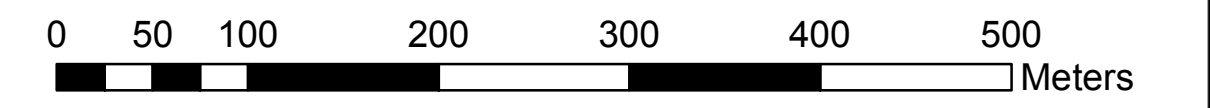


Geo Referenced Cadastral Map of Sem Denominacao Especial Mining Lease, bearing T.C. No. 40 of 1954, situated in Sulcorna Village of Quepem Taluka, & Curpem Village of Sanguem Taluka, South Goa District. Goa State



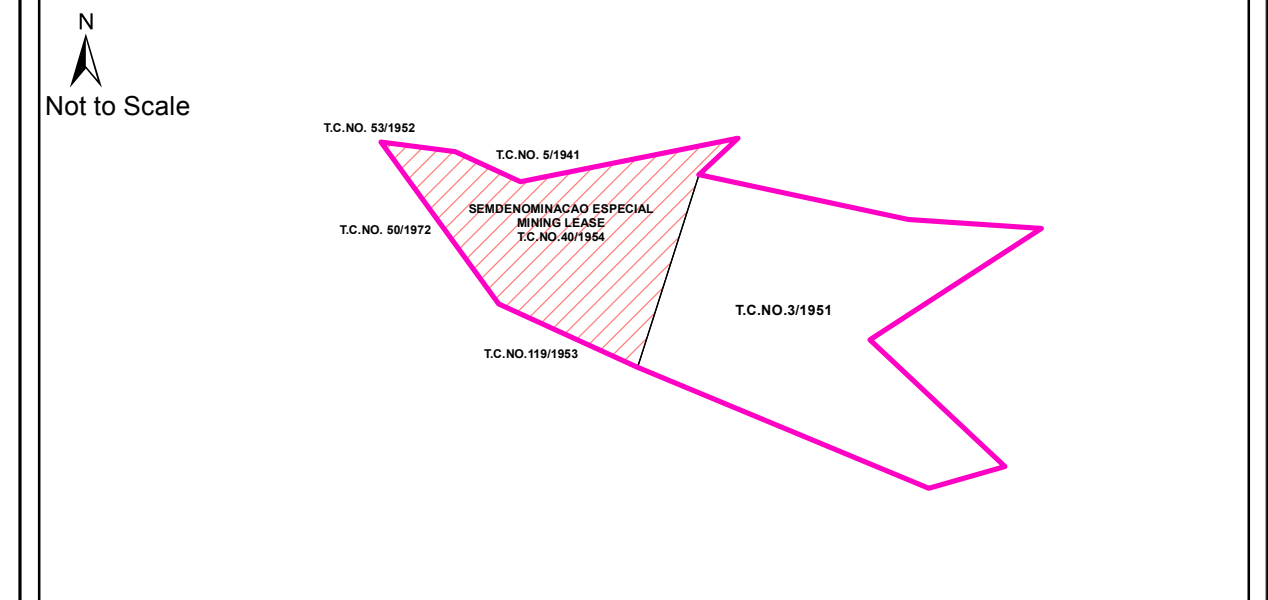
SCALE 1:3,960



Legend

- DGPS POINT OF LEASE BOUNDARY
- LEASE BOUNDARY AS PER DGPS SURVEY
- ADJACENT LEASE BOUNDARY
- SURVEY No BOUNDARY
- SUB-DIVISION OF THE SURVEY No
- ■ — ■ — TALUKA BOUNDARY
- ■ ■ ■ — VILLAGE BOUNDARY

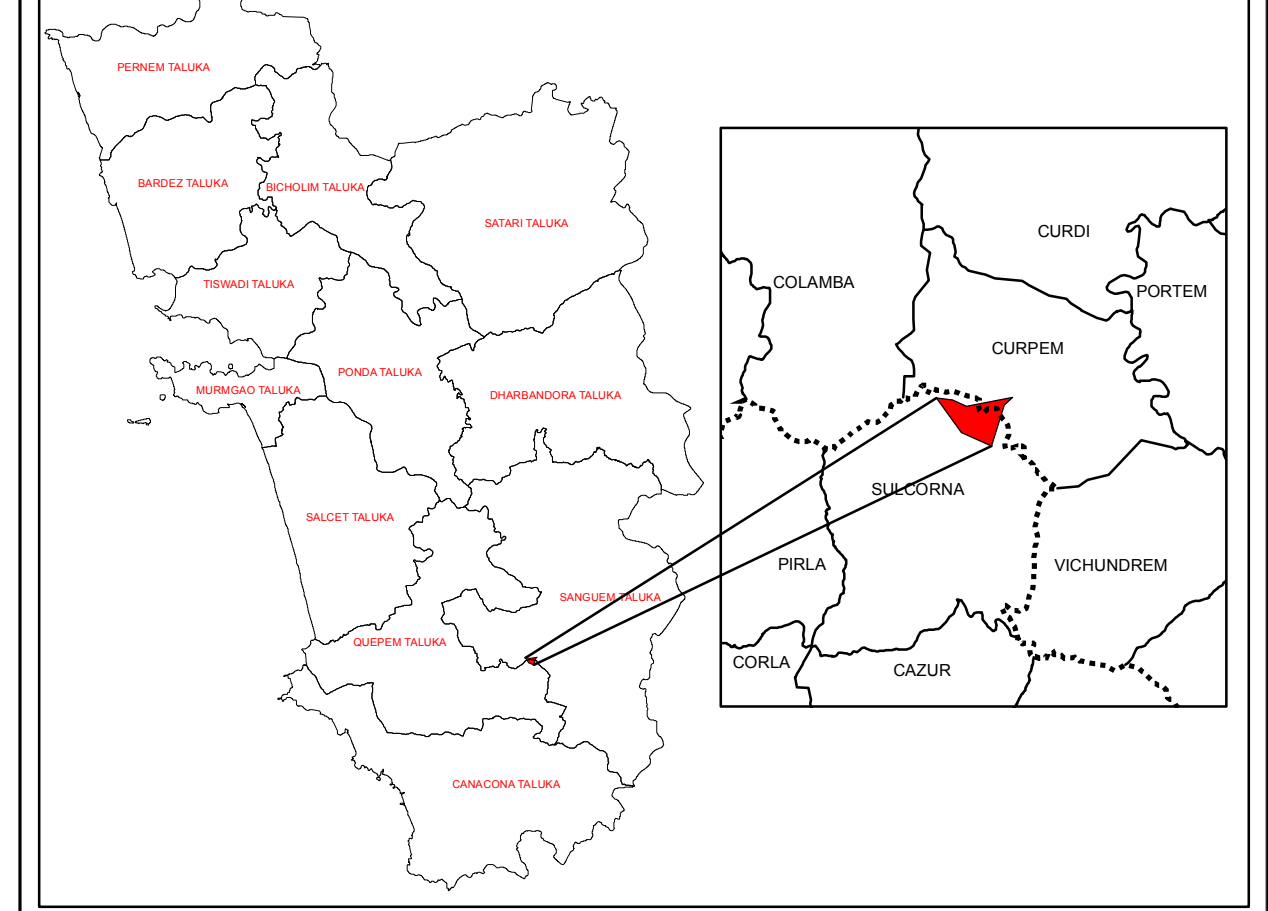
KEY PLAN



DATUM : WGS 84

PROJECTION : UTM_Zone_43N

LOCATION MAP



**SEM DENOMINACAO ESPECIAL MINING LEASE
T.C.NO. 40/1954**

AREA AS WRITTEN ON LEASE PLAN (Ha)	51.0000
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	50.6823
ACTUAL AREA AFTER D G P S SURVEY (Ha)	50.7161

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	SDE BP1	15° 7' 22.779" N	74° 10' 15.127" E	1672097.935	410910.6223
2	SDE BP2	15° 7' 17.585" N	74° 9' 48.934" E	1671941.314	410128.1928
3	SDE BP3	15° 7' 21.099" N	74° 9' 41.053" E	1672050.182	409893.3732
4	SDE BP4	15° 7' 22.142" N	74° 9' 32.032" E	1672083.282	409624.228
5	SDE BP5	15° 7' 3.298" N	74° 9' 46.313" E	1671502.632	410048.2999
6	SDE BP6	15° 6' 55.828" N	74° 10' 3.134" E	1671271.201	410549.5261
7	SDE BP7	15° 7' 18.508" N	74° 10' 10.463" E	1671967.244	410770.923

Survey number wise area within mining lease			
Sr. No.	Village	Survey No.	Area in Ha
1	Sulcorna	ROAD	0.1997
2	Sulcorna	S.No.2	7.9731
3	Curpem	S.No.11	42.5434
Total			50.7161

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

CERTIFICATE
 This is to certify that the lease boundary pillars of T.C. No.40 of 1954 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. M.S. Prabhakar
 (Mines Manager)

Note:
 Curpem Mine is consisting of 2 Contiguous Leases bearing T. C. Nos. 3/51 & 40/54.

CERTIFICATE
 This is to certify that the lease boundary pillars of T.C. No.40 of 1954, shown by Mr. M.S. Prabhakar (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

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

Date of DGPS survey: 22nd May, 2013