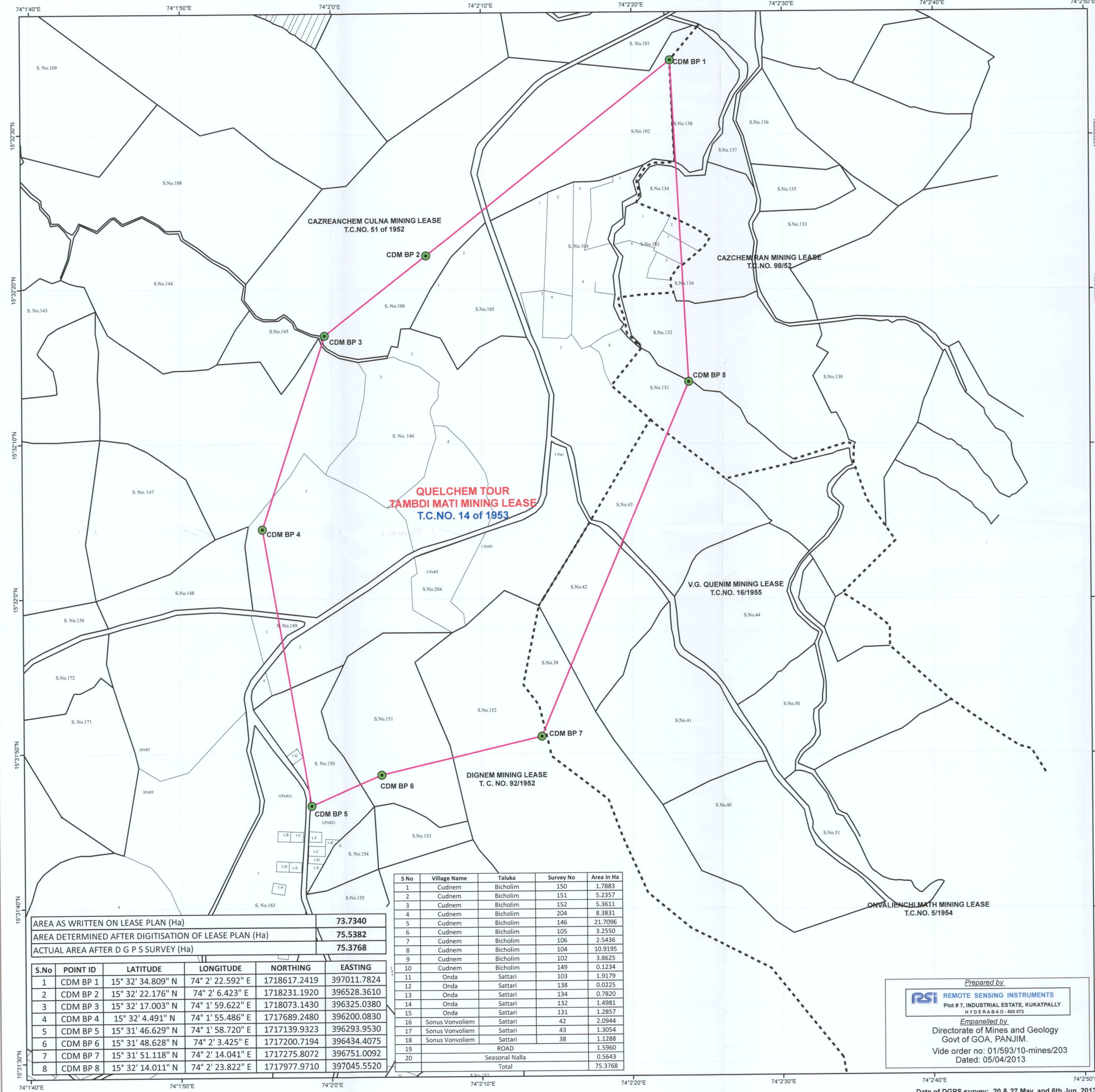


Geo Referenced Cadastral Map of Quelchem Tour Tambdi Mati Mining Lease, bearing T.C. No. 14 of 1953, situated in Cudnem of Bicholim Taluka, Onda and Sonus Vonvoliem, Villages of Sattari Taluka, North Goa District, Goa State.



AREA AS WRITTEN ON LEASE PLAN (Ha)	73.7340
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	75.5382
ACTUAL AREA AFTER D G P S SURVEY (Ha)	75.3768

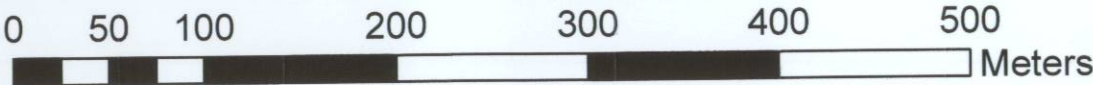
S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	CDM BP 1	15° 32' 34.809" N	74° 2' 22.592" E	1718617.2419	397011.7824
2	CDM BP 2	15° 32' 22.176" N	74° 2' 6.423" E	1718231.1920	396528.3610
3	CDM BP 3	15° 32' 17.003" N	74° 1' 59.622" E	1718073.1430	396325.0380
4	CDM BP 4	15° 32' 4.491" N	74° 1' 55.486" E	1717689.2480	396200.0830
5	CDM BP 5	15° 31' 46.629" N	74° 1' 58.720" E	1717139.9323	396293.9530
6	CDM BP 6	15° 31' 48.628" N	74° 2' 3.425" E	1717200.7194	396434.4075
7	CDM BP 7	15° 31' 51.118" N	74° 2' 14.041" E	1717275.8072	396751.0092
8	CDM BP 8	15° 32' 14.011" N	74° 2' 23.822" E	1717977.9710	397045.5520

S No	Village Name	Taluka	Survey No	Area in Ha
1	Cudnem	Bicholim	150	1.7883
2	Cudnem	Bicholim	151	5.2357
3	Cudnem	Bicholim	152	5.3611
4	Cudnem	Bicholim	204	8.3831
5	Cudnem	Bicholim	146	21.7096
6	Cudnem	Bicholim	105	3.2550
7	Cudnem	Bicholim	106	2.5436
8	Cudnem	Bicholim	104	10.9195
9	Cudnem	Bicholim	102	3.8625
10	Cudnem	Bicholim	149	0.1234
11	Onda	Sattari	103	1.9179
12	Onda	Sattari	138	0.0225
13	Onda	Sattari	134	0.7820
14	Onda	Sattari	132	1.4981
15	Onda	Sattari	131	1.2857
16	Sonus Vonvoliem	Sattari	42	2.0944
17	Sonus Vonvoliem	Sattari	43	1.3054
18	Sonus Vonvoliem	Sattari	38	1.1288
19	ROAD			1.5960
20	Seasonal Nalla			0.5643
	Total			75.3768

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



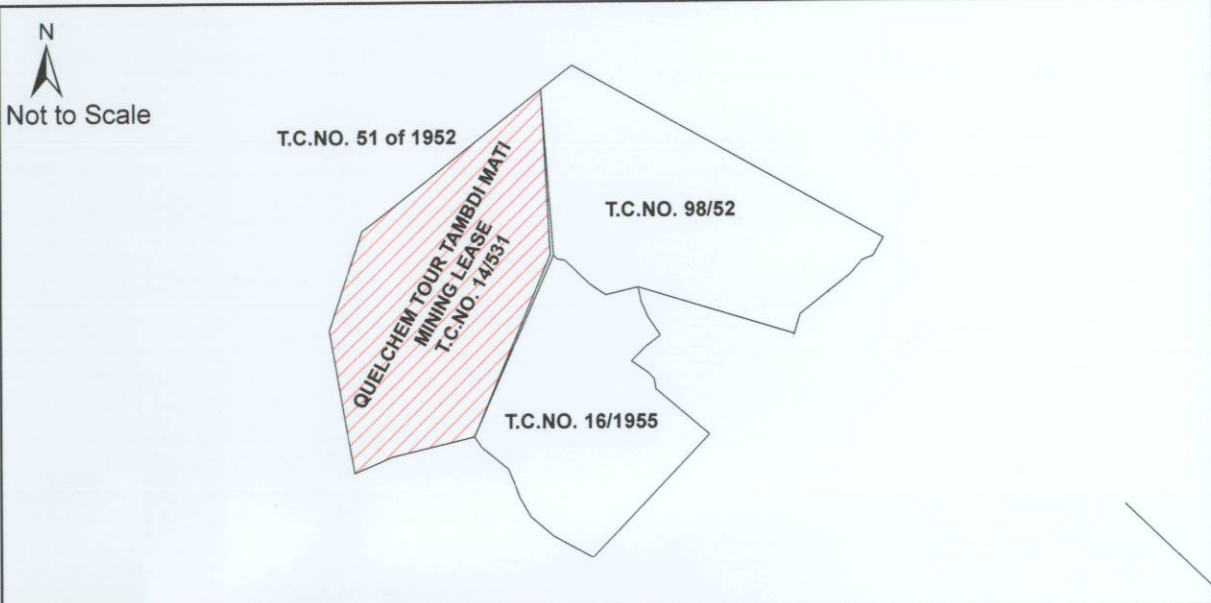
SCALE 1:3,960



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

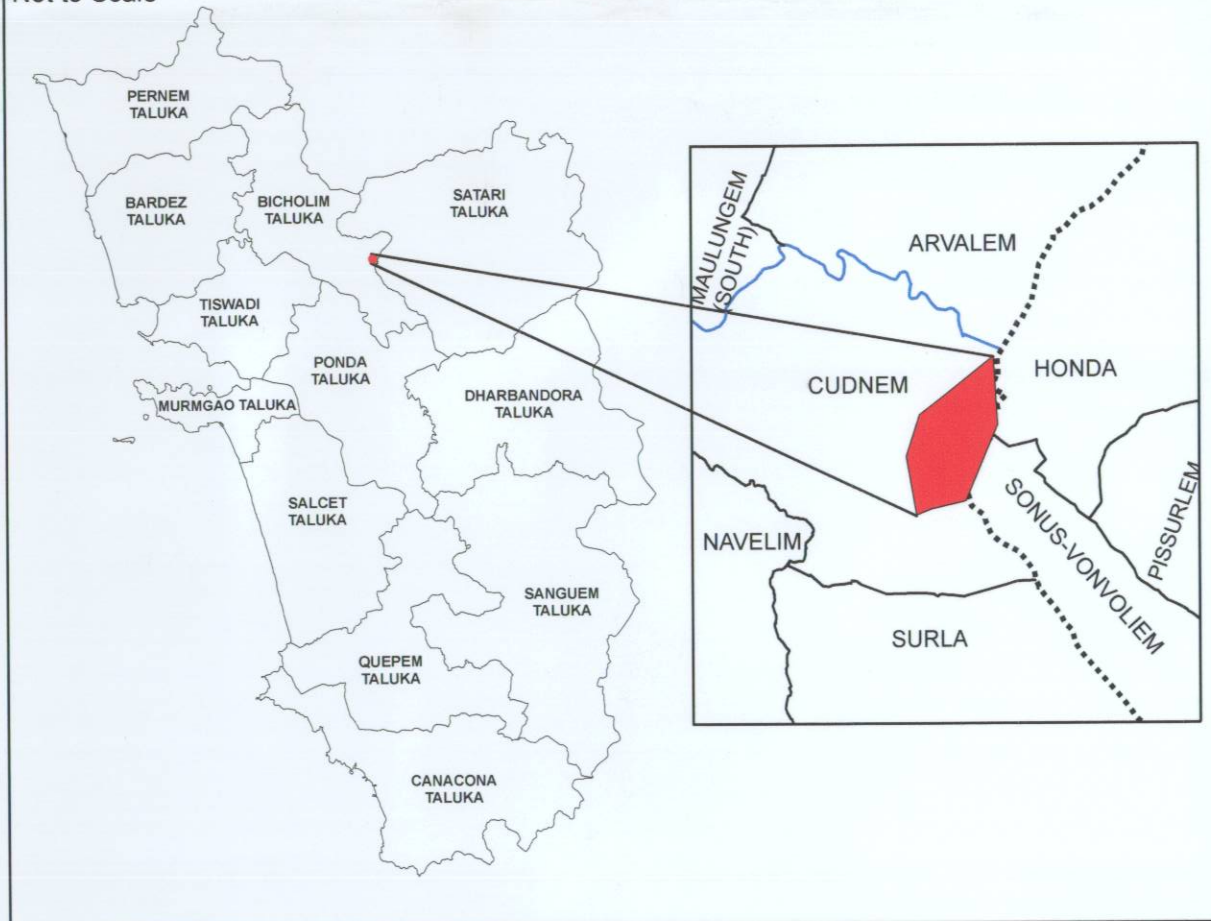
KEY PLAN



DATUM : WGS 84

PROJECTION : UTM_Zone_43N

LOCATION MAP



CERTIFICATE

This is to certify that the lease boundary pillars of T. C. No. 14 of 1953 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. Rajesh Manbhekar
(Mines Manager)

CERTIFICATE

This is to certify that the boundary pillars as shown by Mr. Rajesh Manbhekar (Mines Manager) was 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