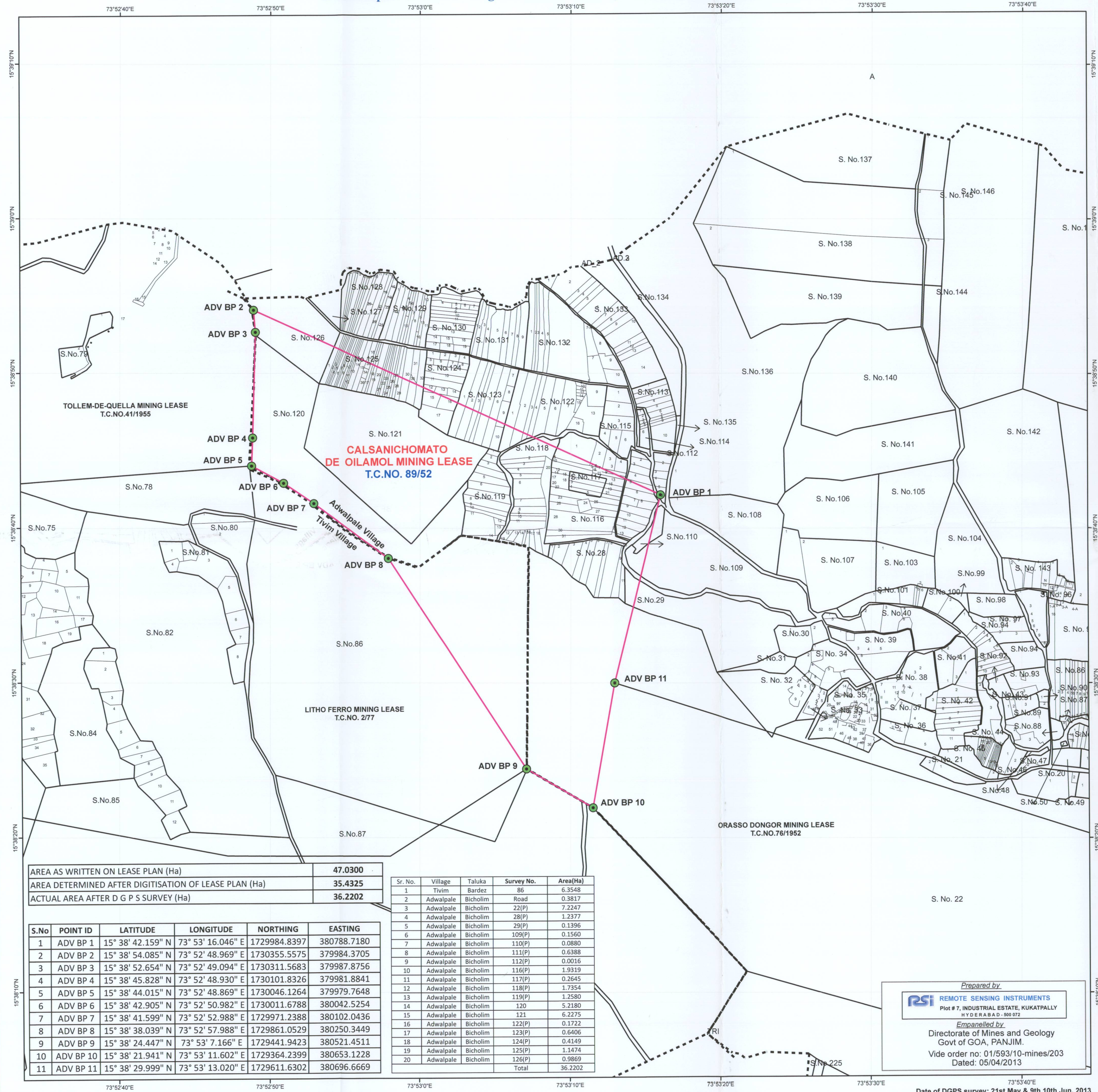
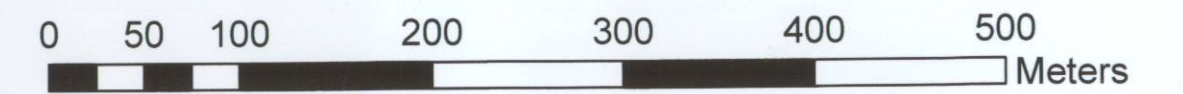


Geo Referenced Cadastral Map of Calsanichomato De Oilamol Mining Lease, bearing T.C. No. 89 of 1952, situated in Adwalpale & Tivim Villages of Bardez Taluka, North Goa District, Goa State.



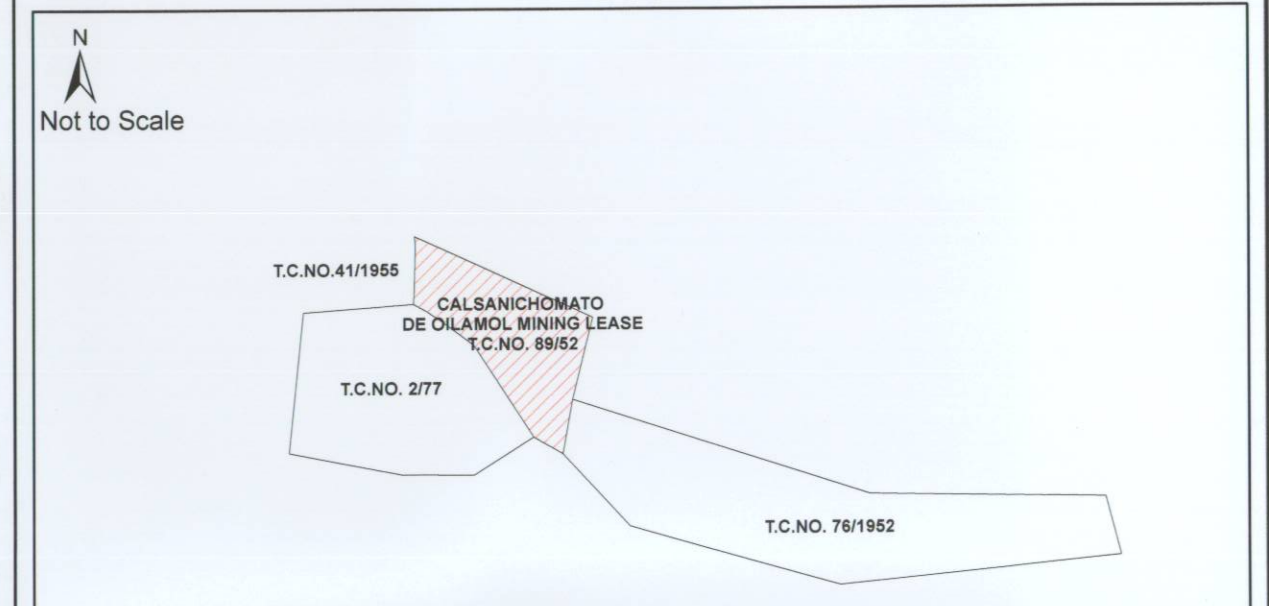
SCALE 1:3,960



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

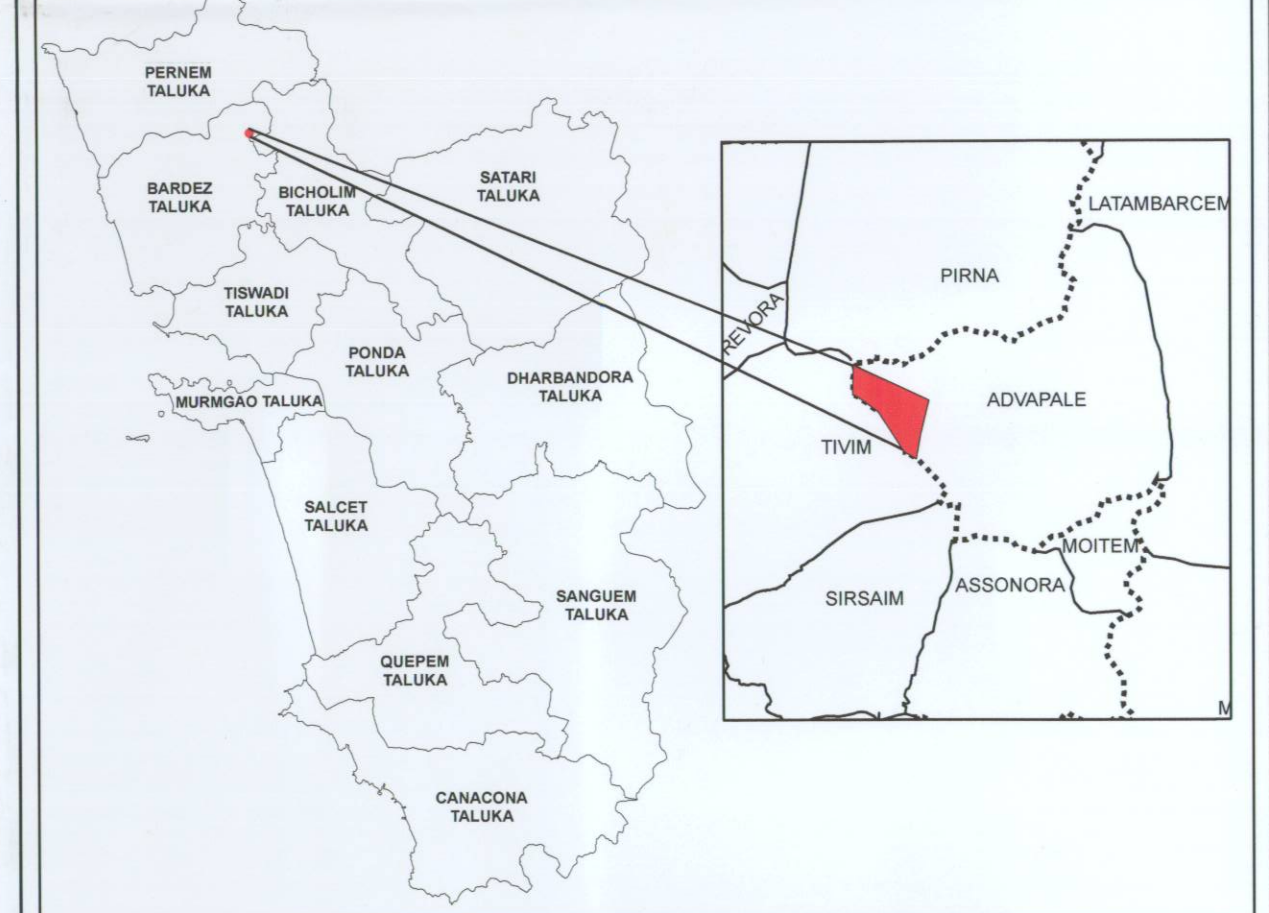
KEY PLAN



DATUM : WGS 84

PROJECTION : UTM_Zone_43N

LOCATION MAP



CERTIFICATE

This is to certify that the lease boundary pillars of T. C. No.89 of 1952 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. Vijay Kelkar,
(Mines Manager)

CERTIFICATE

This is to certify that the boundary pillars as shown by Mr. Vijay Kelkar, (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

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: 21st May & 9th, 10th Jun, 2013

AREA AS WRITTEN ON LEASE PLAN (Ha)	47.0300
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	35.4325
ACTUAL AREA AFTER D G P S SURVEY (Ha)	36.2202

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	ADV BP 1	15° 38' 42.159" N	73° 53' 16.046" E	1729984.8397	380788.7180
2	ADV BP 2	15° 38' 54.085" N	73° 52' 48.969" E	1730355.5575	379984.3705
3	ADV BP 3	15° 38' 52.654" N	73° 52' 49.094" E	1730311.5683	379987.8756
4	ADV BP 4	15° 38' 45.828" N	73° 52' 48.930" E	1730101.8326	379981.8841
5	ADV BP 5	15° 38' 44.015" N	73° 52' 48.869" E	1730046.1264	379979.7648
6	ADV BP 6	15° 38' 42.905" N	73° 52' 50.982" E	1730011.6788	380042.5254
7	ADV BP 7	15° 38' 41.599" N	73° 52' 52.988" E	1729971.2388	380102.0436
8	ADV BP 8	15° 38' 38.039" N	73° 52' 57.988" E	1729861.0529	380250.3449
9	ADV BP 9	15° 38' 24.447" N	73° 53' 7.166" E	1729441.9423	380521.4511
10	ADV BP 10	15° 38' 21.941" N	73° 53' 11.602" E	1729364.2399	380653.1228
11	ADV BP 11	15° 38' 29.999" N	73° 53' 13.020" E	1729611.6302	380696.6669

Sr. No.	Village	Taluka	Survey No.	Area(Ha)
1	Tivim	Bardez	86	6.3548
2	Adwalpale	Bicholim	Road	0.3817
3	Adwalpale	Bicholim	22(P)	7.2247
4	Adwalpale	Bicholim	28(P)	1.2377
5	Adwalpale	Bicholim	29(P)	0.1396
6	Adwalpale	Bicholim	109(P)	0.1560
7	Adwalpale	Bicholim	110(P)	0.0880
8	Adwalpale	Bicholim	111(P)	0.6388
9	Adwalpale	Bicholim	112(P)	0.0016
10	Adwalpale	Bicholim	116(P)	1.9319
11	Adwalpale	Bicholim	117(P)	0.2645
12	Adwalpale	Bicholim	118(P)	1.7354
13	Adwalpale	Bicholim	119(P)	1.2580
14	Adwalpale	Bicholim	120	5.2180
15	Adwalpale	Bicholim	121	6.2275
16	Adwalpale	Bicholim	122(P)	0.1722
17	Adwalpale	Bicholim	123(P)	0.6406
18	Adwalpale	Bicholim	124(P)	0.4149
19	Adwalpale	Bicholim	125(P)	1.1474
20	Adwalpale	Bicholim	126(P)	0.9869
			Total	36.2202