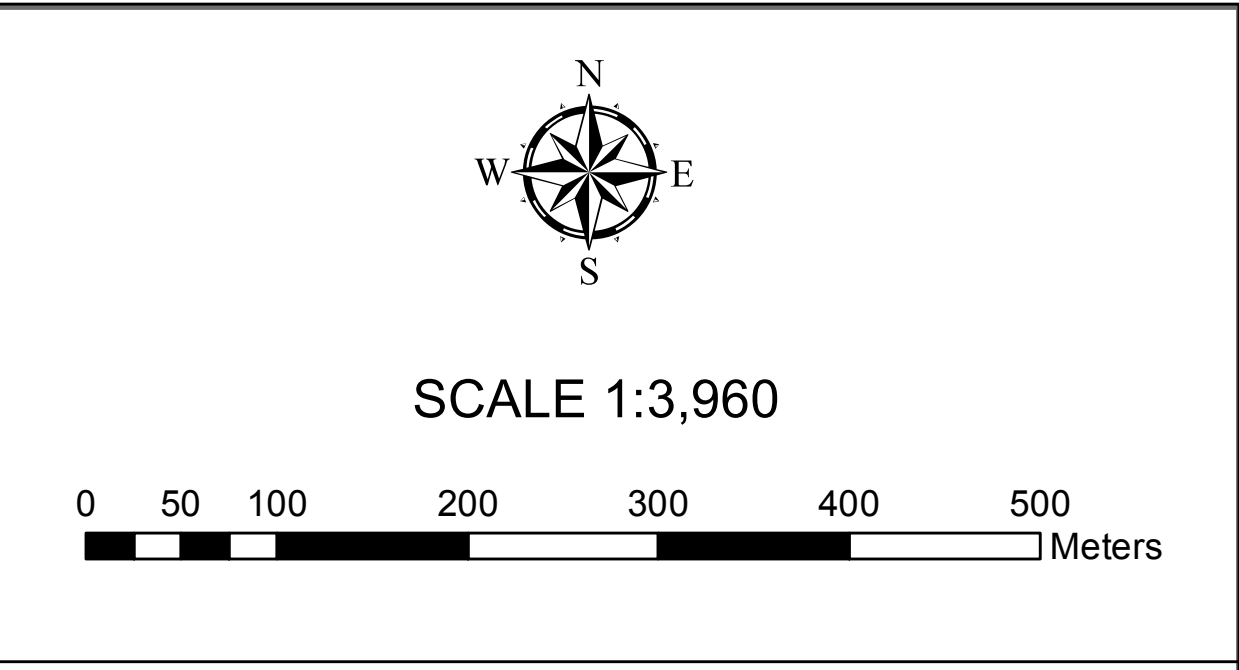
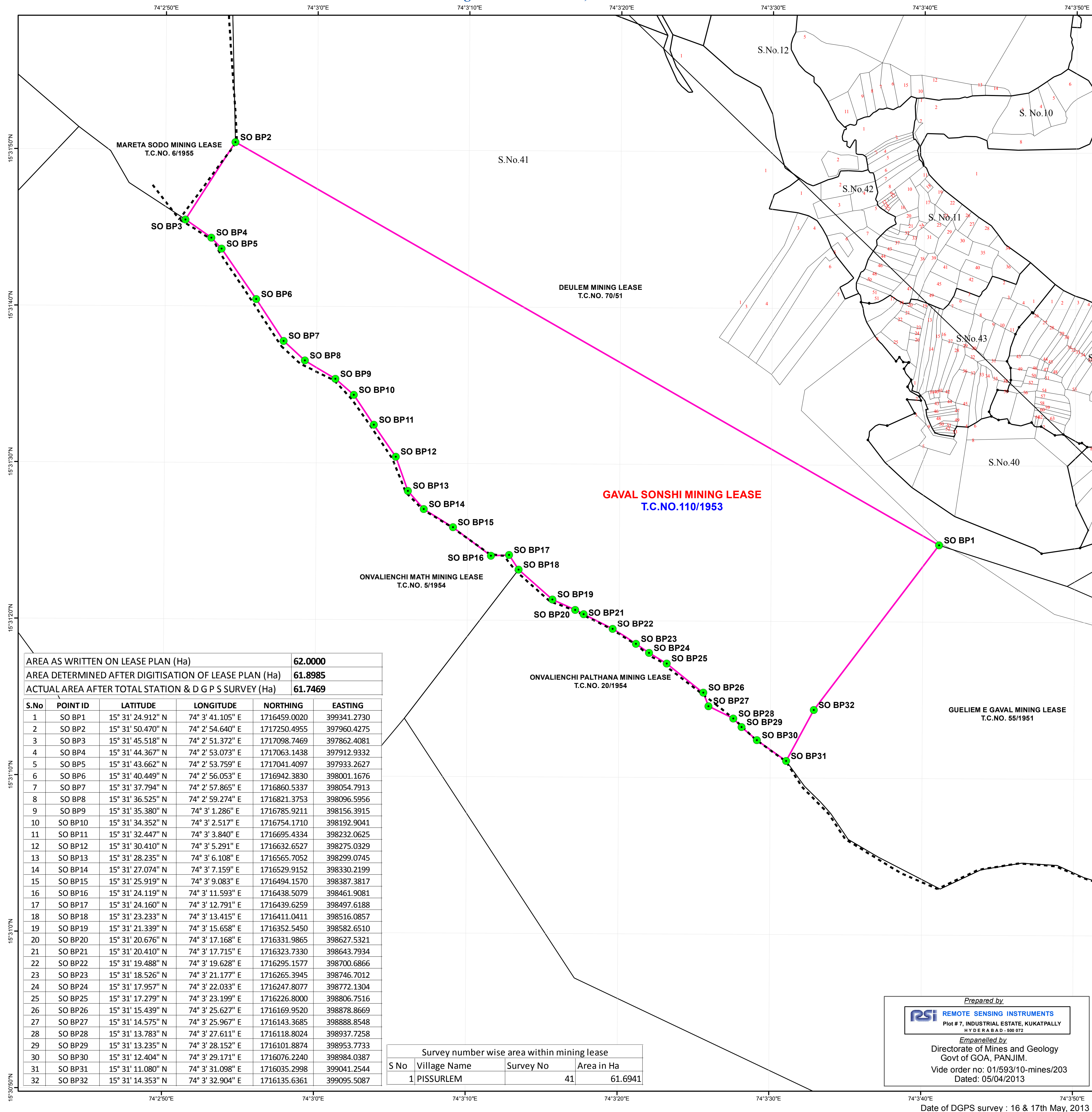
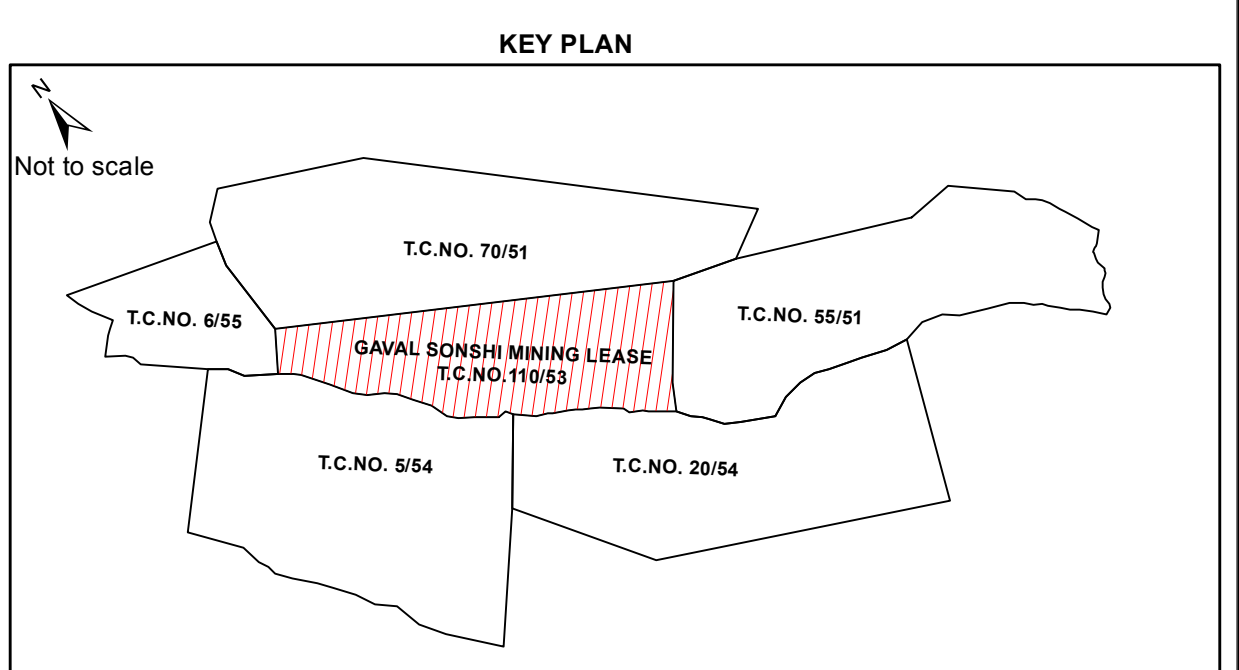


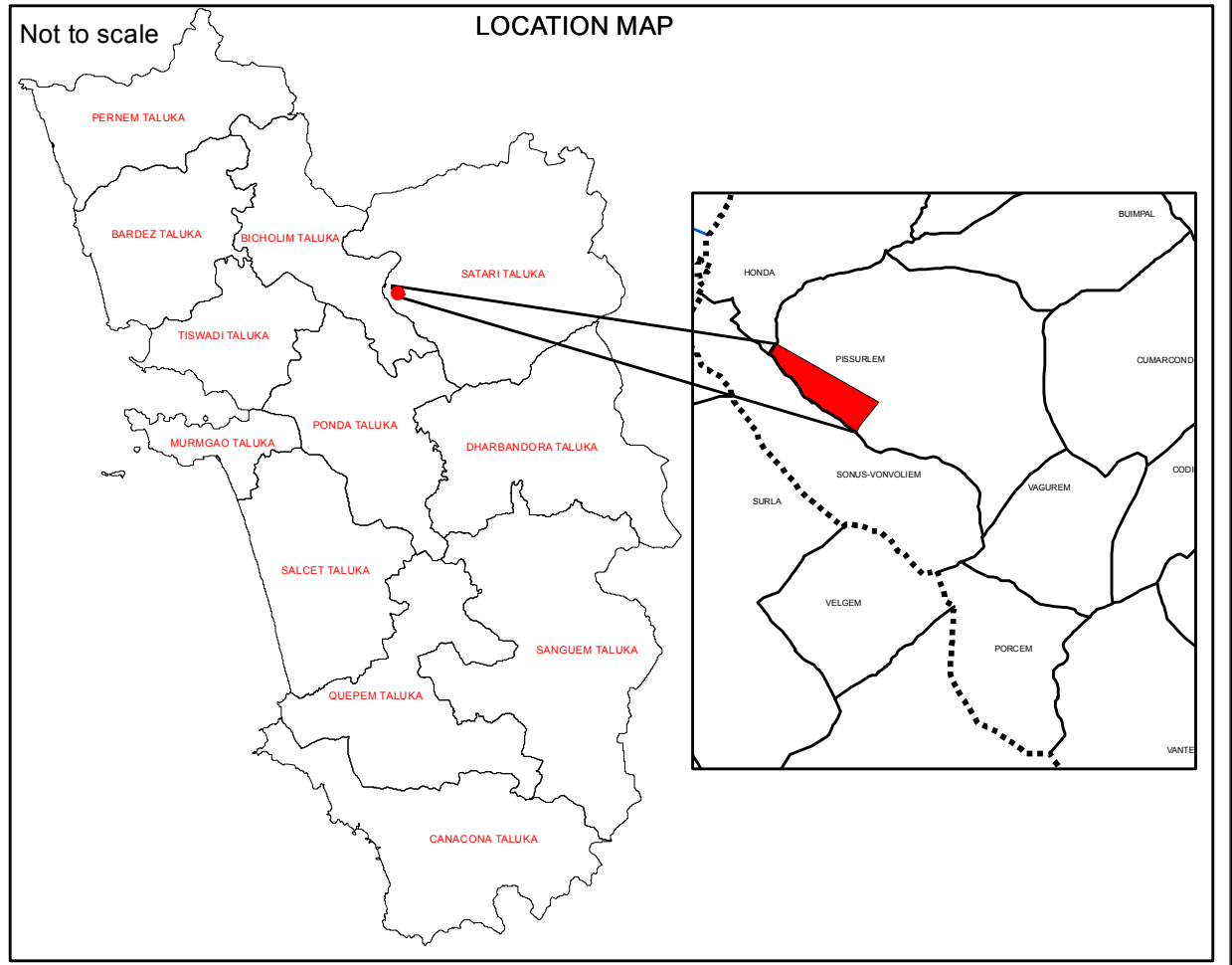
**Geo Referenced Cadastral Map of Gaval Sonshi Mining Lease, bearing T.C. No. 110 of 1953, situated in Pissurlem Village of Sattari Taluka, North Goa District. Goa State**



- 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



DATUM : WGS 84  
PROJECTION : UTM\_Zone\_43N



AREA AS WRITTEN ON LEASE PLAN (Ha)	<b>62.0000</b>
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	<b>61.8985</b>
ACTUAL AREA AFTER TOTAL STATION & D G P S SURVEY (Ha)	<b>61.7469</b>

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	SO BP1	15° 31' 24.912" N	74° 3' 41.105" E	1716459.0020	399341.2730
2	SO BP2	15° 31' 50.470" N	74° 2' 54.640" E	1717250.4955	397960.4275
3	SO BP3	15° 31' 45.518" N	74° 2' 51.372" E	1717098.7469	397862.4081
4	SO BP4	15° 31' 44.367" N	74° 2' 53.073" E	1717063.1438	397912.9332
5	SO BP5	15° 31' 43.662" N	74° 2' 53.759" E	1717041.4097	397933.2627
6	SO BP6	15° 31' 40.449" N	74° 2' 56.053" E	1716942.3830	398001.1676
7	SO BP7	15° 31' 37.794" N	74° 2' 57.865" E	1716860.5337	398054.7913
8	SO BP8	15° 31' 36.525" N	74° 2' 59.274" E	1716821.3753	398096.5956
9	SO BP9	15° 31' 35.380" N	74° 3' 1.286" E	1716785.9211	398156.3915
10	SO BP10	15° 31' 34.352" N	74° 3' 2.517" E	1716754.1710	398192.9041
11	SO BP11	15° 31' 32.447" N	74° 3' 3.840" E	1716695.4334	398232.0625
12	SO BP12	15° 31' 30.410" N	74° 3' 5.291" E	1716632.6527	398275.0329
13	SO BP13	15° 31' 28.235" N	74° 3' 6.108" E	1716565.7052	398299.0745
14	SO BP14	15° 31' 27.074" N	74° 3' 7.159" E	1716529.9152	398330.2199
15	SO BP15	15° 31' 25.919" N	74° 3' 9.083" E	1716494.1570	398387.3817
16	SO BP16	15° 31' 24.119" N	74° 3' 11.593" E	1716438.5079	398461.9081
17	SO BP17	15° 31' 24.160" N	74° 3' 12.791" E	1716439.6259	398497.6188
18	SO BP18	15° 31' 23.233" N	74° 3' 13.415" E	1716411.0411	398516.0857
19	SO BP19	15° 31' 21.339" N	74° 3' 15.658" E	1716352.5450	398582.6510
20	SO BP20	15° 31' 20.676" N	74° 3' 17.168" E	1716331.9865	398627.5321
21	SO BP21	15° 31' 20.410" N	74° 3' 17.715" E	1716323.7330	398643.7934
22	SO BP22	15° 31' 19.488" N	74° 3' 19.628" E	1716295.1577	398700.6866
23	SO BP23	15° 31' 18.526" N	74° 3' 21.177" E	1716265.3945	398746.7012
24	SO BP24	15° 31' 17.957" N	74° 3' 22.033" E	1716247.8077	398772.1304
25	SO BP25	15° 31' 17.279" N	74° 3' 23.199" E	1716226.8000	398806.7516
26	SO BP26	15° 31' 15.439" N	74° 3' 25.627" E	1716169.9520	398878.8669
27	SO BP27	15° 31' 14.575" N	74° 3' 25.967" E	1716143.3685	398888.8548
28	SO BP28	15° 31' 13.783" N	74° 3' 27.611" E	1716118.8024	398937.7258
29	SO BP29	15° 31' 13.235" N	74° 3' 28.152" E	1716101.8874	398953.7733
30	SO BP30	15° 31' 12.404" N	74° 3' 29.171" E	1716076.2240	398984.0387
31	SO BP31	15° 31' 11.080" N	74° 3' 31.098" E	1716035.2998	399041.2544
32	SO BP32	15° 31' 14.353" N	74° 3' 32.904" E	1716135.6361	399095.5087

Survey number wise area within mining lease		
S No	Village Name	Area in Ha
1	PISSURLEM	61.6941

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.110 of 1953 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr.Ramdas Kawlekar  
(Mines Manager)

**CERTIFICATE**

This is to certify that the lease boundary pillars of T. C. No. 110 of 1953, shown by Mr. Ramdas Kawlekar (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  
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

Date of DGPS survey : 16 & 17th May, 2013