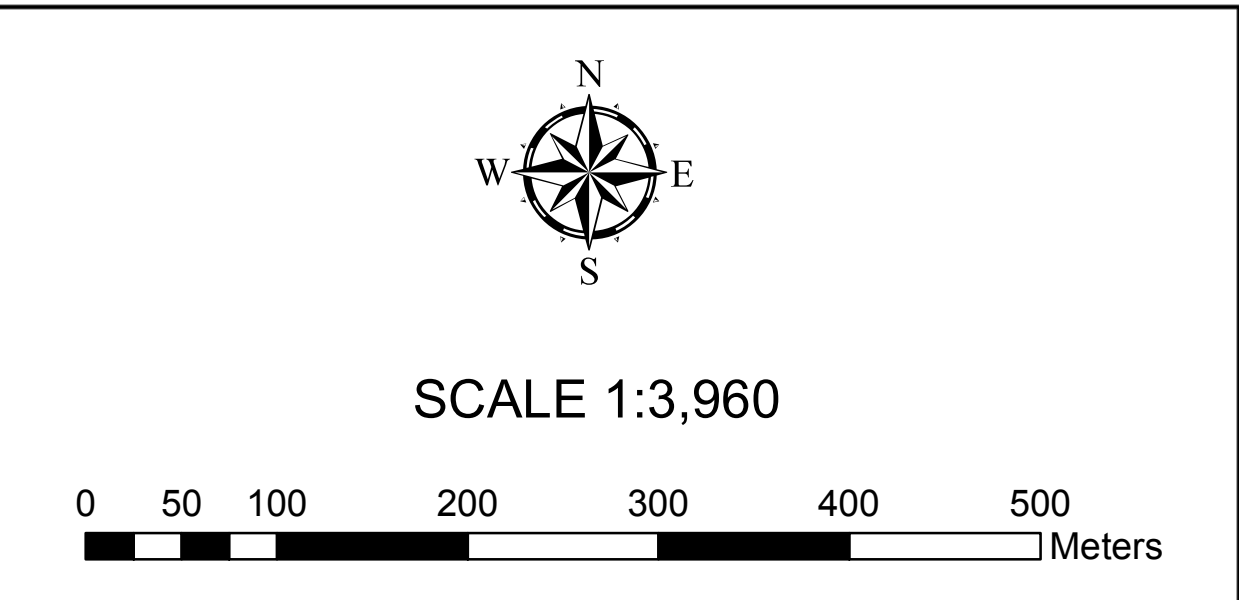
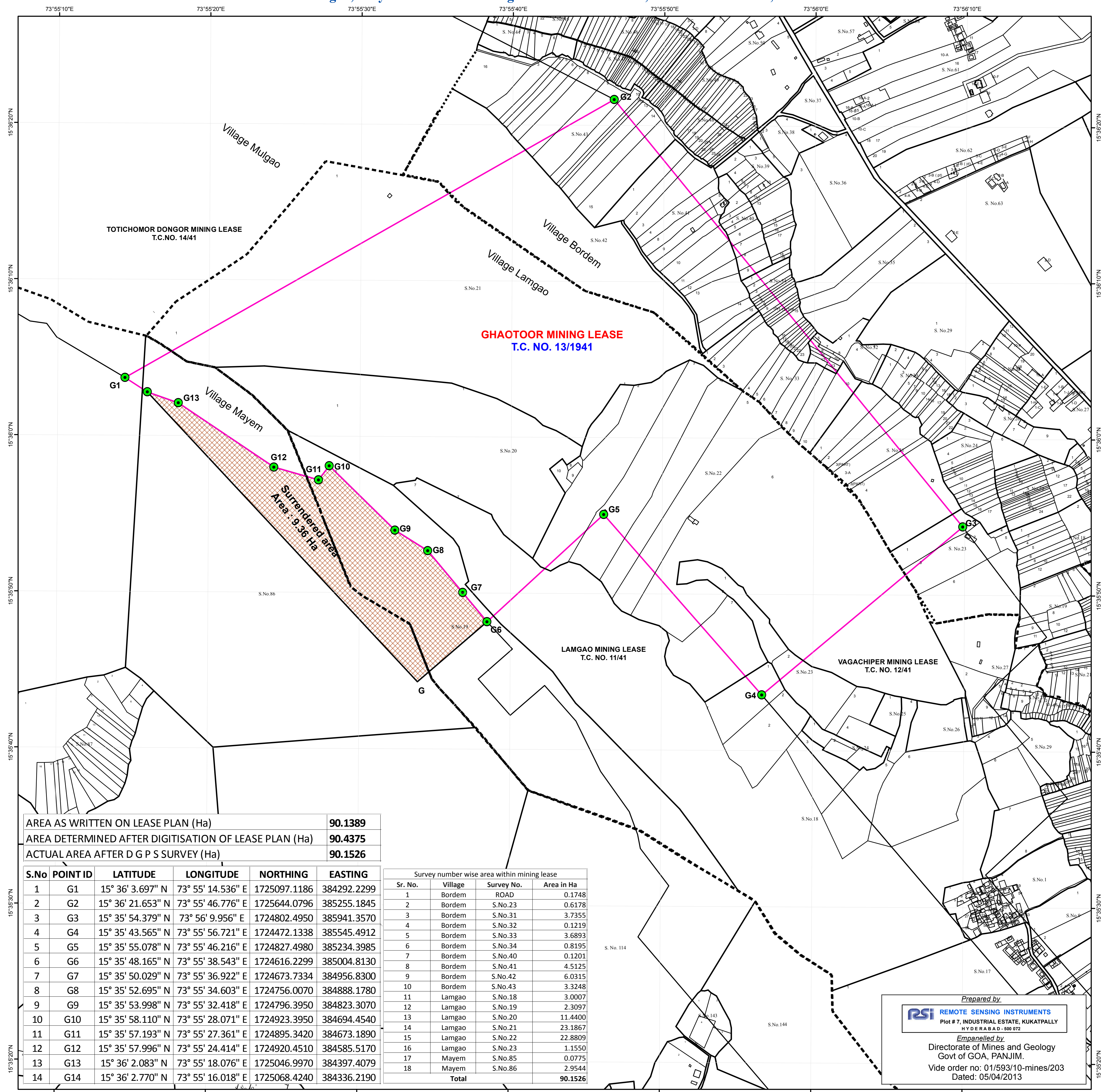


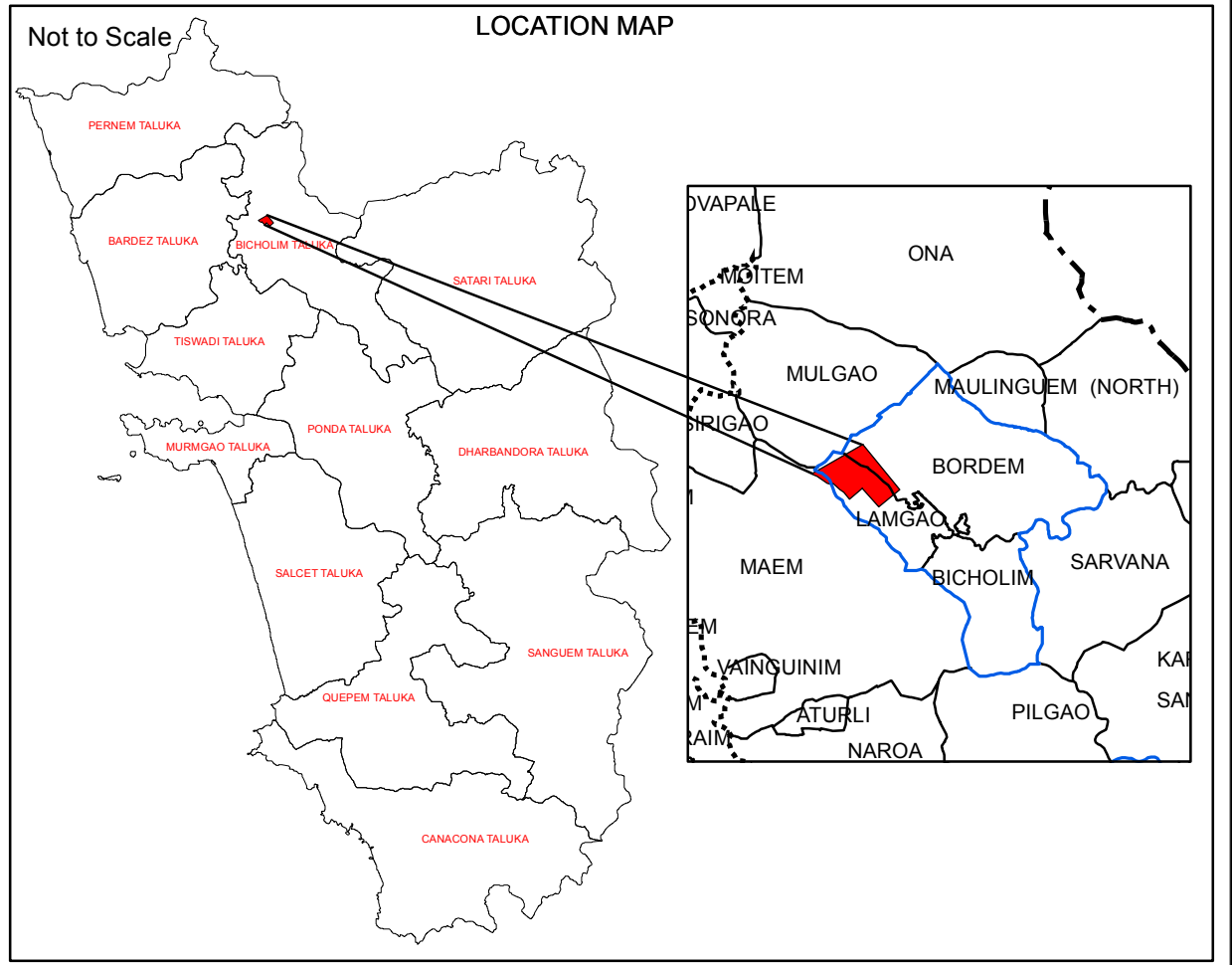
Geo Referenced Cadastral Map of Ghaotoor Mining Lease, bearing T.C. No. 13 of 1941, situated in Lamgao, Mayem & Bordem Villages of Bicholim Taluka, North Goa District, Goa State.



- 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)	90.1389
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	90.4375
ACTUAL AREA AFTER D G P S SURVEY (Ha)	90.1526

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	G1	15° 36' 3.697" N	73° 55' 14.536" E	1725097.1186	384292.2299
2	G2	15° 36' 21.653" N	73° 55' 46.776" E	1725644.0796	385255.1845
3	G3	15° 35' 54.379" N	73° 56' 9.956" E	1724802.4950	385941.3570
4	G4	15° 35' 43.565" N	73° 55' 56.721" E	1724472.1338	385545.4912
5	G5	15° 35' 55.078" N	73° 55' 46.216" E	1724827.4980	385234.3985
6	G6	15° 35' 48.165" N	73° 55' 38.543" E	1724616.2299	385004.8130
7	G7	15° 35' 50.029" N	73° 55' 36.922" E	1724673.7334	384956.8300
8	G8	15° 35' 52.695" N	73° 55' 34.603" E	1724756.0070	384888.1780
9	G9	15° 35' 53.998" N	73° 55' 32.418" E	1724796.3950	384823.3070
10	G10	15° 35' 58.110" N	73° 55' 28.071" E	1724923.3950	384694.4540
11	G11	15° 35' 57.193" N	73° 55' 27.361" E	1724895.3420	384673.1890
12	G12	15° 35' 57.996" N	73° 55' 24.414" E	1724920.4510	384585.5170
13	G13	15° 36' 2.083" N	73° 55' 18.076" E	1725046.9970	384397.4079
14	G14	15° 36' 2.770" N	73° 55' 16.018" E	1725068.4240	384336.2190

Survey number wise area within mining lease			
Sr. No.	Village	Survey No.	Area in Ha
1	Bordem	ROAD	0.1748
2	Bordem	S.No.23	0.6178
3	Bordem	S.No.31	3.7355
4	Bordem	S.No.32	0.1219
5	Bordem	S.No.33	3.6893
6	Bordem	S.No.34	0.8195
7	Bordem	S.No.40	0.1201
8	Bordem	S.No.41	4.5125
9	Bordem	S.No.42	6.0315
10	Bordem	S.No.43	3.3248
11	Lamgao	S.No.18	3.0007
12	Lamgao	S.No.19	2.3097
13	Lamgao	S.No.20	11.4400
14	Lamgao	S.No.21	23.1867
15	Lamgao	S.No.22	22.8809
16	Lamgao	S.No.23	1.1550
17	Mayem	S.No.85	0.0775
18	Mayem	S.No.86	2.9544
Total			90.1526

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. 13 of 1941 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. Shrishaila Gowda
 (Mines Manager)

Note:
 Bicholim Mine is consisting of 5 Contiguous Leases bearing T. C. Nos. 11/41, 12/41, 13/41, 14/41 & 15/41.

CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 13 of 1941, shown by Mr. Shrishaila Gowda (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