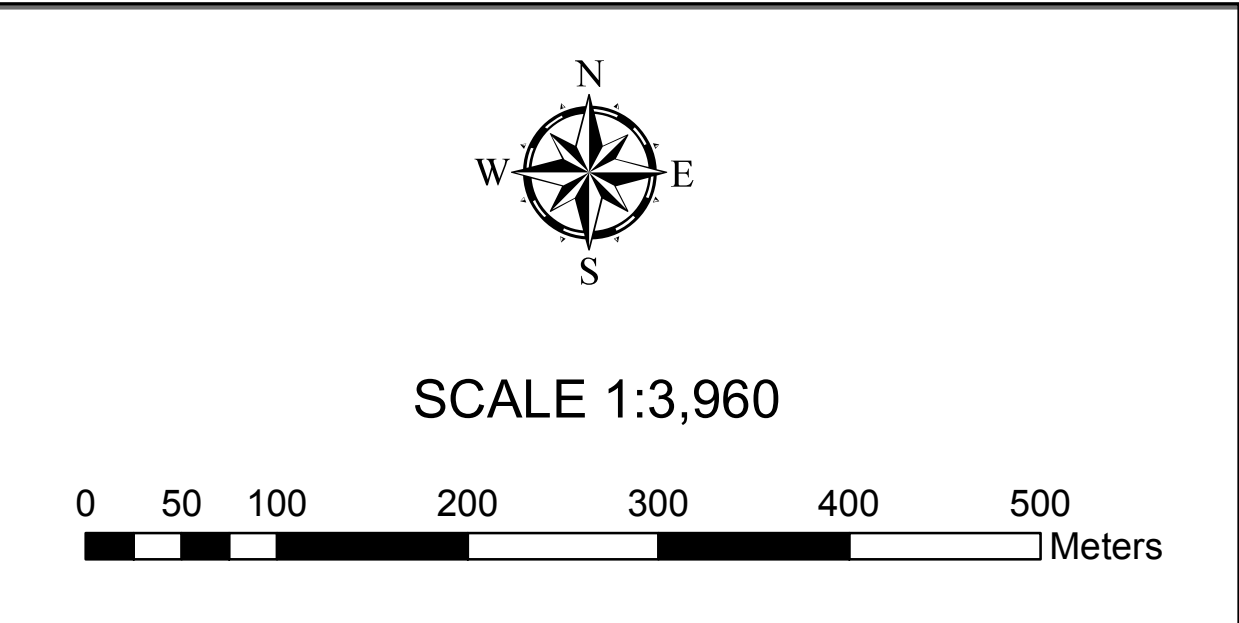
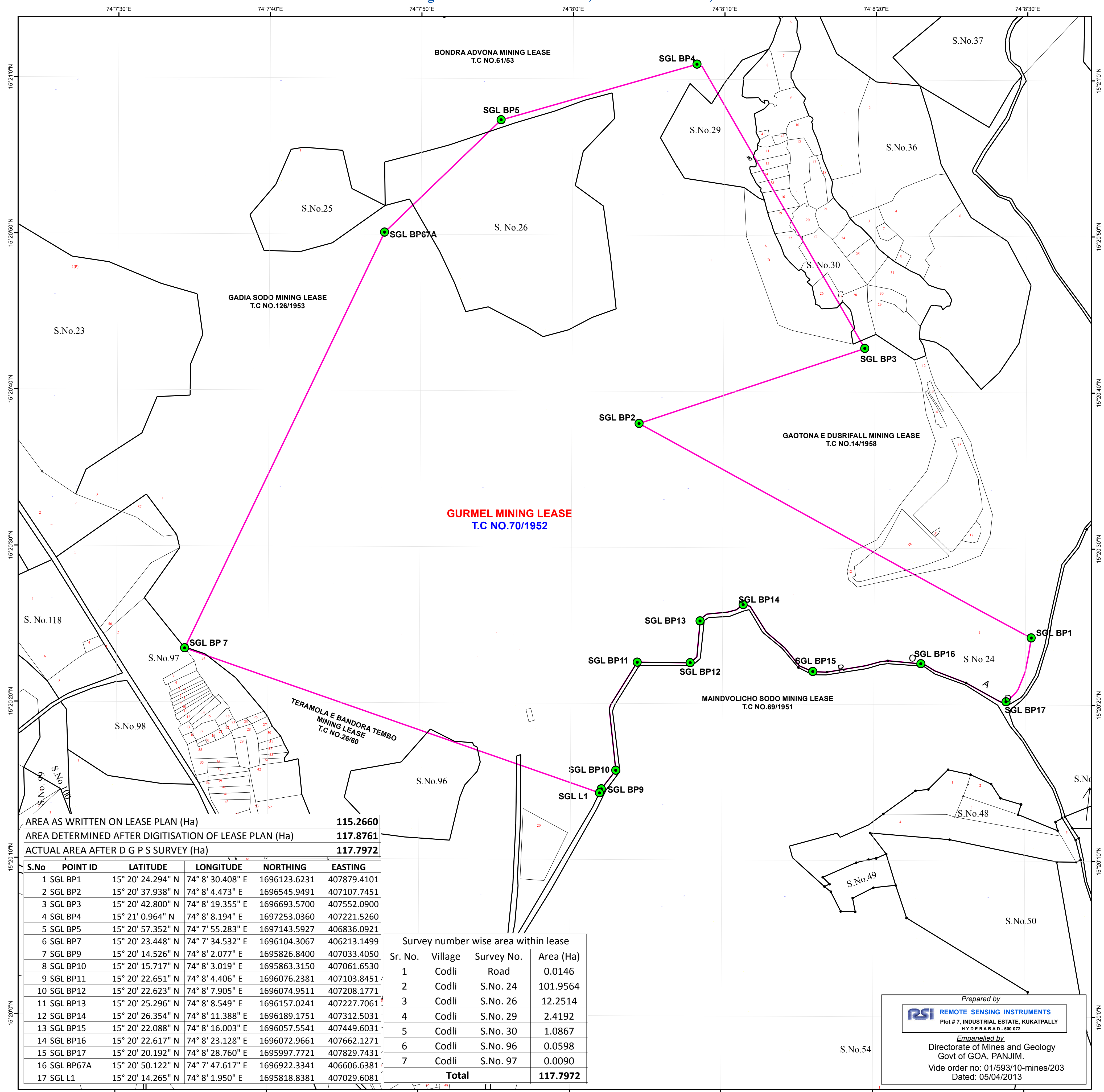
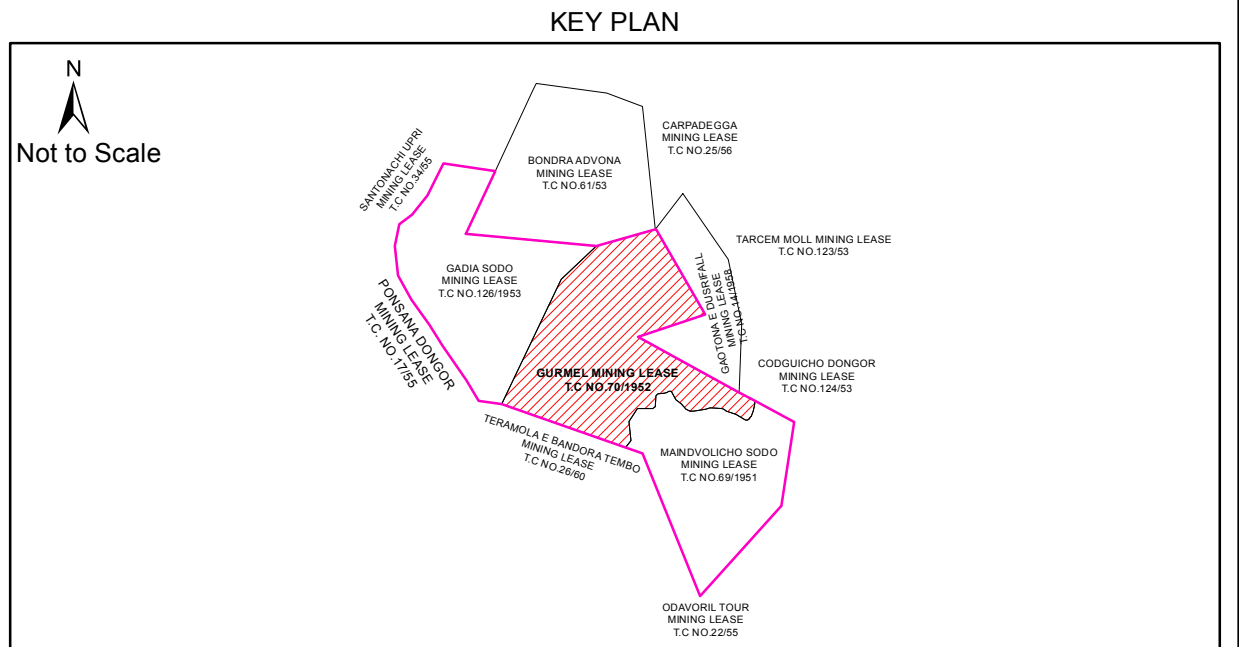


Geo Referenced Cadastral Map of Gurmel Mining Lease, bearing T.C. No. 70 of 1952, situated in Codli Village of Dharbandora Taluka, South Goa District, Goa State.

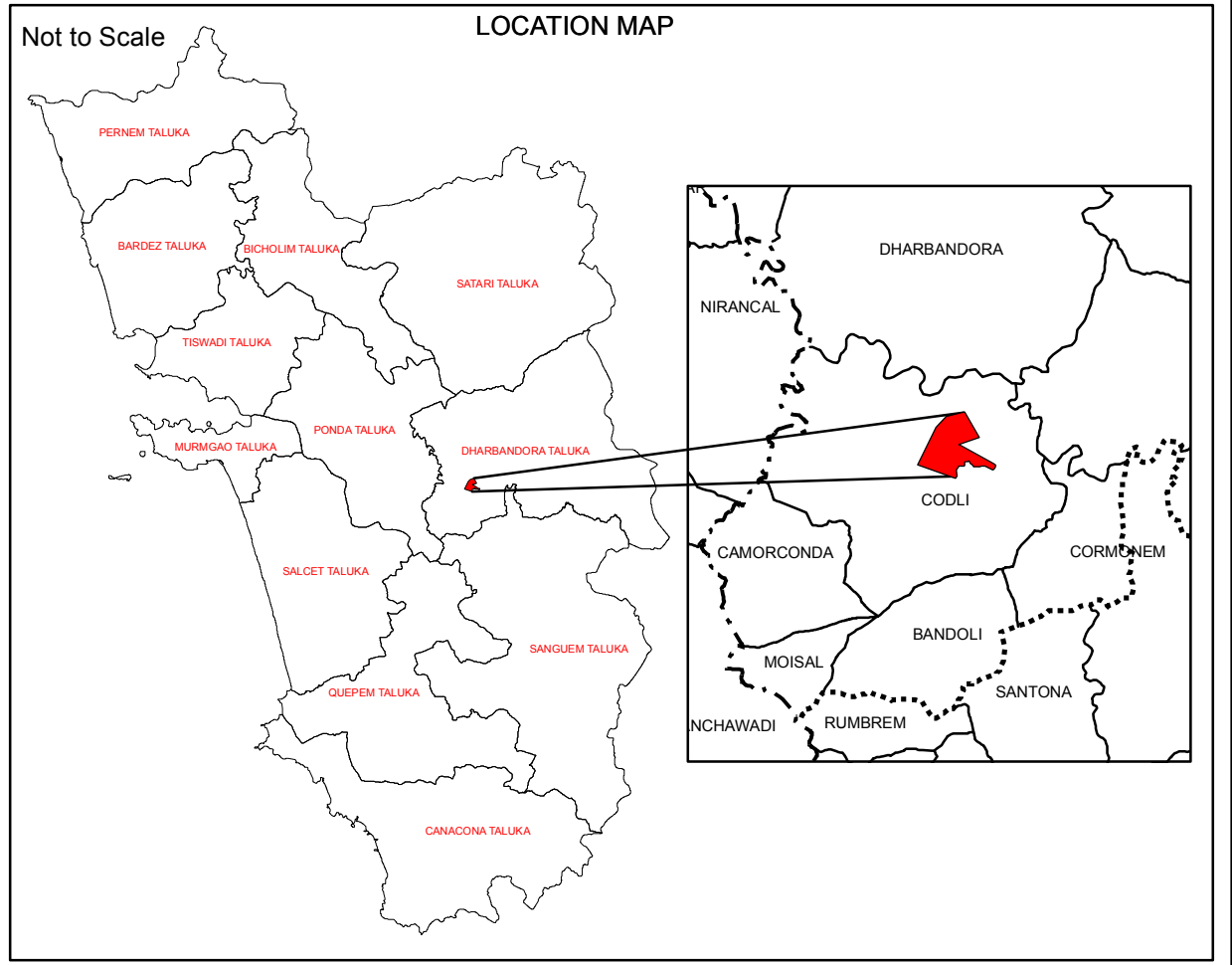


Legend

- DGPS POINT OF LEASE BOUNDARY
- LEASE BOUNDARY AS PER DGPS SURVEY
- ADJACENT LEASE BOUNDARY
- SURVEY No BOUNDARY
- SUB-DIVISION OF THE SURVEY No
- TALUKABOUNDARY
- VILLAGE BOUNDARY



DATUM : WGS 84
PROJECTION : UTM_Zone_43N



AREA AS WRITTEN ON LEASE PLAN (Ha)	115.2660
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	117.8761
ACTUAL AREA AFTER D G P S SURVEY (Ha)	117.7972

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	SGL BP1	15° 20' 24.294" N	74° 8' 30.408" E	1696123.6231	407879.4101
2	SGL BP2	15° 20' 37.938" N	74° 8' 4.473" E	1696545.9491	407107.7451
3	SGL BP3	15° 20' 42.800" N	74° 8' 19.355" E	1696693.5700	407552.0900
4	SGL BP4	15° 21' 0.964" N	74° 8' 8.194" E	1697253.0360	407221.5260
5	SGL BP5	15° 20' 57.352" N	74° 7' 55.283" E	1697143.5927	406836.0921
6	SGL BP7	15° 20' 23.448" N	74° 7' 34.532" E	1696104.3067	406213.1499
7	SGL BP9	15° 20' 14.526" N	74° 8' 2.077" E	1695826.8400	407033.4050
8	SGL BP10	15° 20' 15.717" N	74° 8' 3.019" E	1695863.3150	407061.6530
9	SGL BP11	15° 20' 22.651" N	74° 8' 4.406" E	1696076.2381	407103.8451
10	SGL BP12	15° 20' 22.623" N	74° 8' 7.905" E	1696074.9511	407208.1771
11	SGL BP13	15° 20' 25.296" N	74° 8' 8.549" E	1696157.0241	407227.7061
12	SGL BP14	15° 20' 26.354" N	74° 8' 11.388" E	1696189.1751	407312.5031
13	SGL BP15	15° 20' 22.088" N	74° 8' 16.003" E	1696057.5541	407449.6031
14	SGL BP16	15° 20' 22.617" N	74° 8' 23.128" E	1696072.9661	407662.1271
15	SGL BP17	15° 20' 20.192" N	74° 8' 28.760" E	1695997.7721	407829.7431
16	SGL BP67A	15° 20' 50.122" N	74° 7' 47.617" E	1696922.3341	406606.6381
17	SGL L1	15° 20' 14.265" N	74° 8' 1.950" E	1695818.8381	407029.6081

Survey number wise area within lease

Sr. No.	Village	Survey No.	Area (Ha)
1	Codli	Road	0.0146
2	Codli	S.No. 24	101.9564
3	Codli	S.No. 26	12.2514
4	Codli	S.No. 29	2.4192
5	Codli	S.No. 30	1.0867
6	Codli	S.No. 96	0.0598
7	Codli	S.No. 97	0.0090
Total			117.7972

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. 70 of 1952 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. Vijay Mehta,
(Mines Manager)

Note:
Codli Mine is consisting of 3 Contiguous Leases bearing T. C. Nos. 70/52, 126/53 & 69/51.

CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 70 of 1952, shown by Mr. Vijay Mehta (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