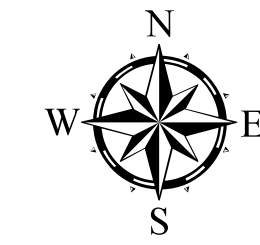
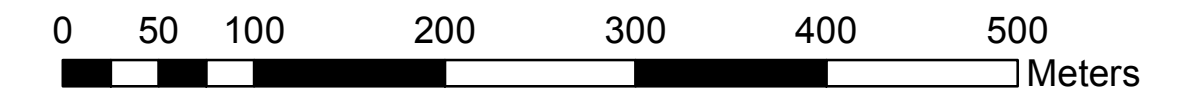


**CHOWGULE AND COMPANY PRIVATE LIMITED, CHOWGULE HOUSE, MORMUGAO HARBOUR-GOA.**  
**Geo Referenced Cadastral Map of Casana Costimola Mining Lease, bearing T.C. No. 38 of 1951, situated**  
**in Costi Village of Sanguem Taluka, South Goa District, Goa State.**

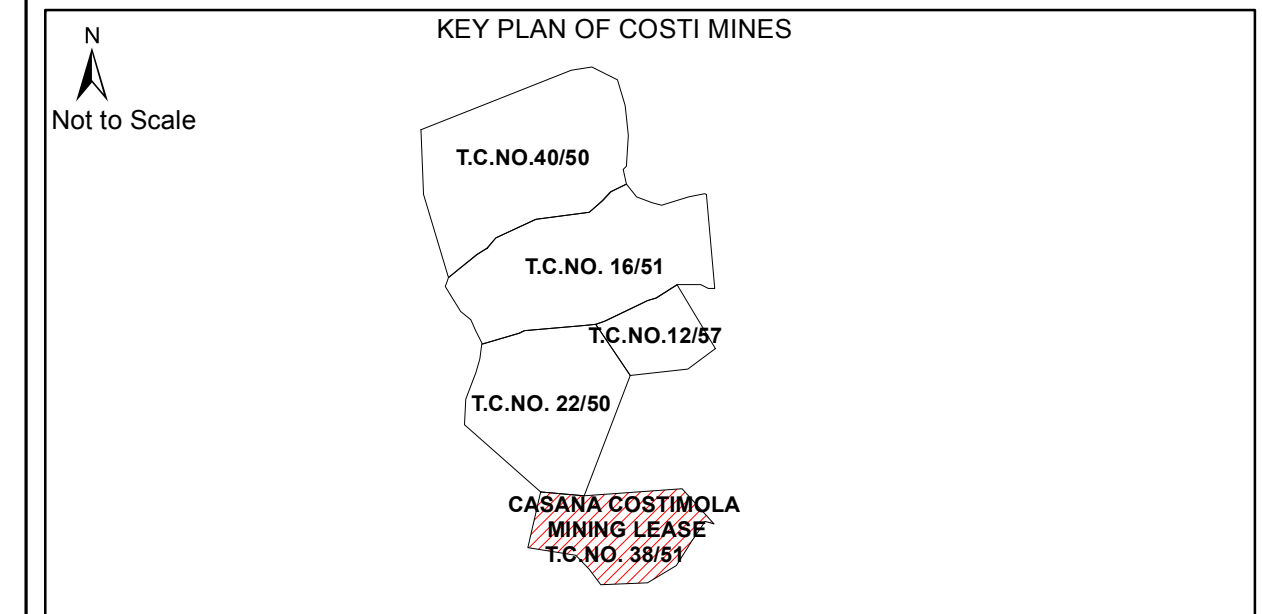


SCALE 1:3,960



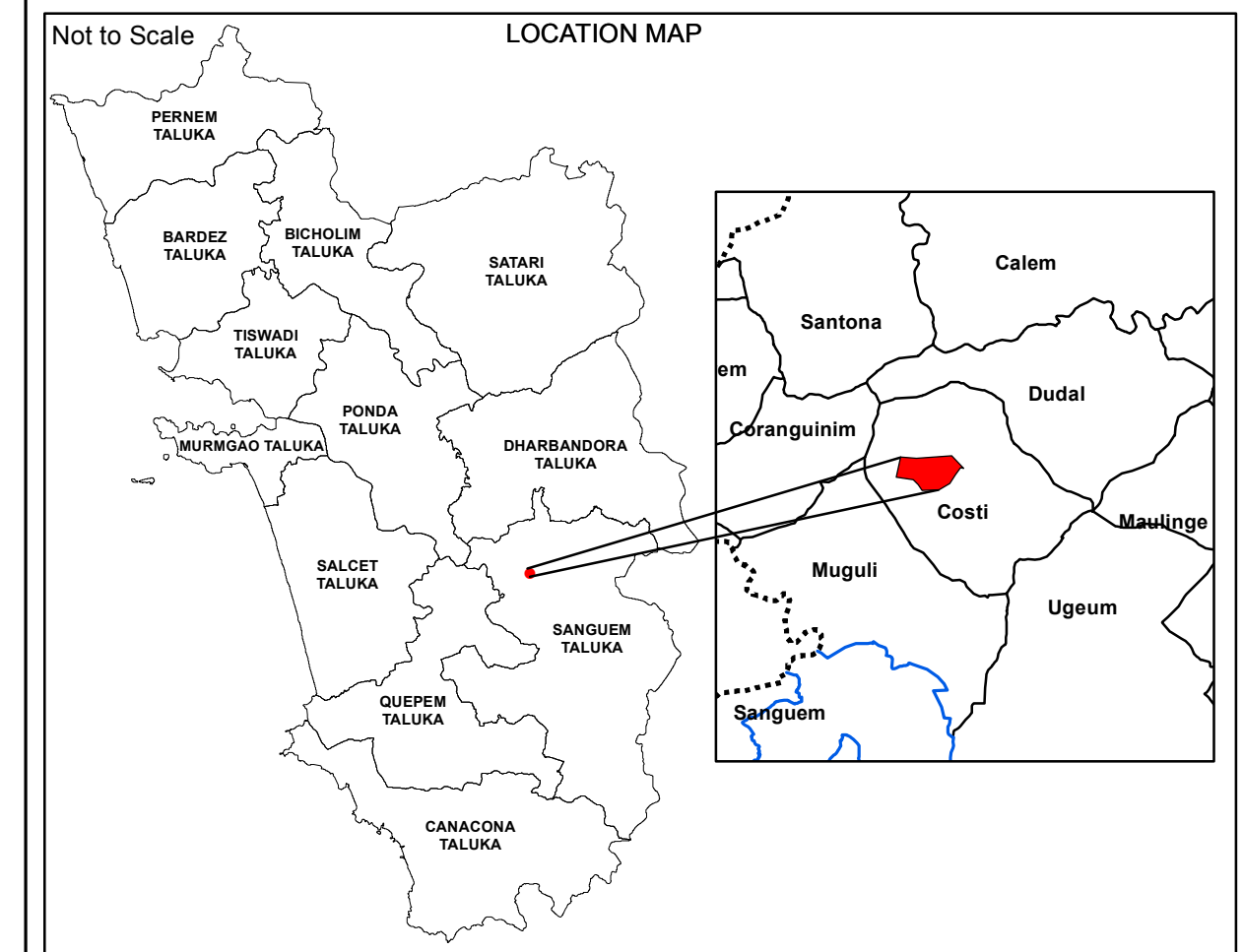
**Legend**

- DGPS POINT OF LEASE BOUNDARY
- LEASE BOUNDARY AS PER DGPS SURVEY
- SURVEY No BOUNDARY
- SUB-DIVISION OF THE SURVEY No
- - - VILLAGE BOUNDARY
- ⊗ BASE STATION
- ⊙ GROUND CONTROL POINTS



DATUM : WGS 84

PROJECTION : UTM\_Zone\_43N



**Certificate by Mines Manager**

This is to certify that the lease boundary pillars of T.C. No. 38 of 1951 have been surveyed and fixed on the ground by using Total Station and the same are surveyed by using DGPS (Differential Global Positioning System).

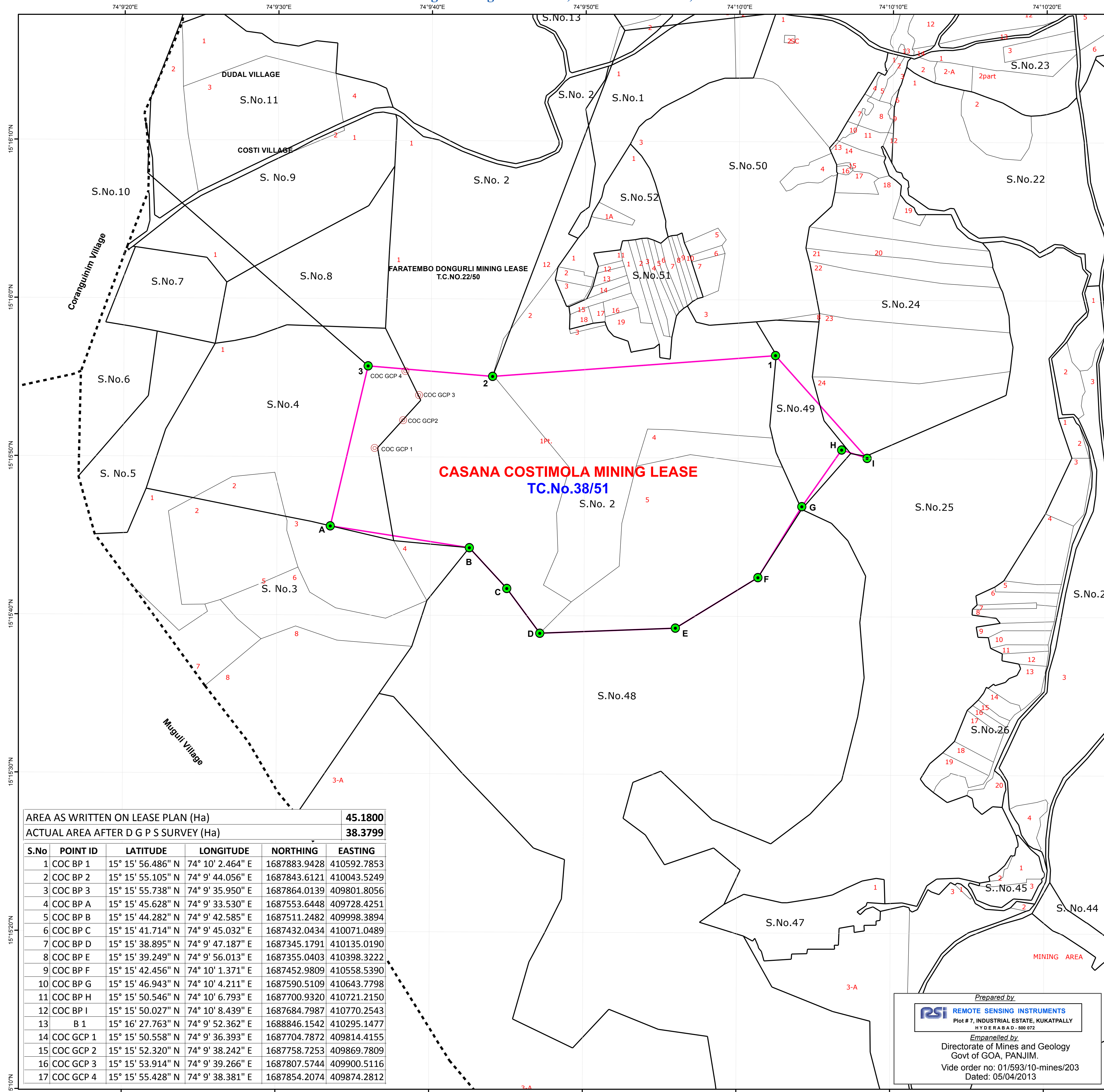
Mr.V.M.KANTAK  
(Mines Manager)

**Certificate by Accredited Agency**

This is to certify that the lease boundary pillars of T.C.No. 38 of 1951, shown by Mr.V.M.KANTAK (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 06-04-2010.

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



**CASANA COSTIMOLA MINING LEASE**  
**TC.No.38/51**

AREA AS WRITTEN ON LEASE PLAN (Ha)	<b>45.1800</b>
ACTUAL AREA AFTER D G P S SURVEY (Ha)	<b>38.3799</b>

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	COC BP 1	15° 15' 56.486" N	74° 10' 2.464" E	1687883.9428	410592.7853
2	COC BP 2	15° 15' 55.105" N	74° 9' 44.056" E	1687843.6121	410043.5249
3	COC BP 3	15° 15' 55.738" N	74° 9' 35.950" E	1687864.0139	409801.8056
4	COC BP A	15° 15' 45.628" N	74° 9' 33.530" E	1687553.6448	409728.4251
5	COC BP B	15° 15' 44.282" N	74° 9' 42.585" E	1687511.2482	409998.3894
6	COC BP C	15° 15' 41.714" N	74° 9' 45.032" E	1687432.0434	410071.0489
7	COC BP D	15° 15' 38.895" N	74° 9' 47.187" E	1687345.1791	410135.0190
8	COC BP E	15° 15' 39.249" N	74° 9' 56.013" E	1687355.0403	410398.3222
9	COC BP F	15° 15' 42.456" N	74° 10' 1.371" E	1687452.9809	410558.5390
10	COC BP G	15° 15' 46.943" N	74° 10' 4.211" E	1687590.5109	410643.7798
11	COC BP H	15° 15' 50.546" N	74° 10' 6.793" E	1687700.9320	410721.2150
12	COC BP I	15° 15' 50.027" N	74° 10' 8.439" E	1687684.7987	410770.2543
13	B 1	15° 16' 27.763" N	74° 9' 52.362" E	1688846.1542	410295.1477
14	COC GCP 1	15° 15' 50.558" N	74° 9' 36.393" E	1687704.7872	409814.4155
15	COC GCP 2	15° 15' 52.320" N	74° 9' 38.242" E	1687758.7253	409869.7809
16	COC GCP 3	15° 15' 53.914" N	74° 9' 39.266" E	1687807.5744	409900.5116
17	COC GCP 4	15° 15' 55.428" N	74° 9' 38.381" E	1687854.2074	409874.2812

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: 30 & 31st May, 2013