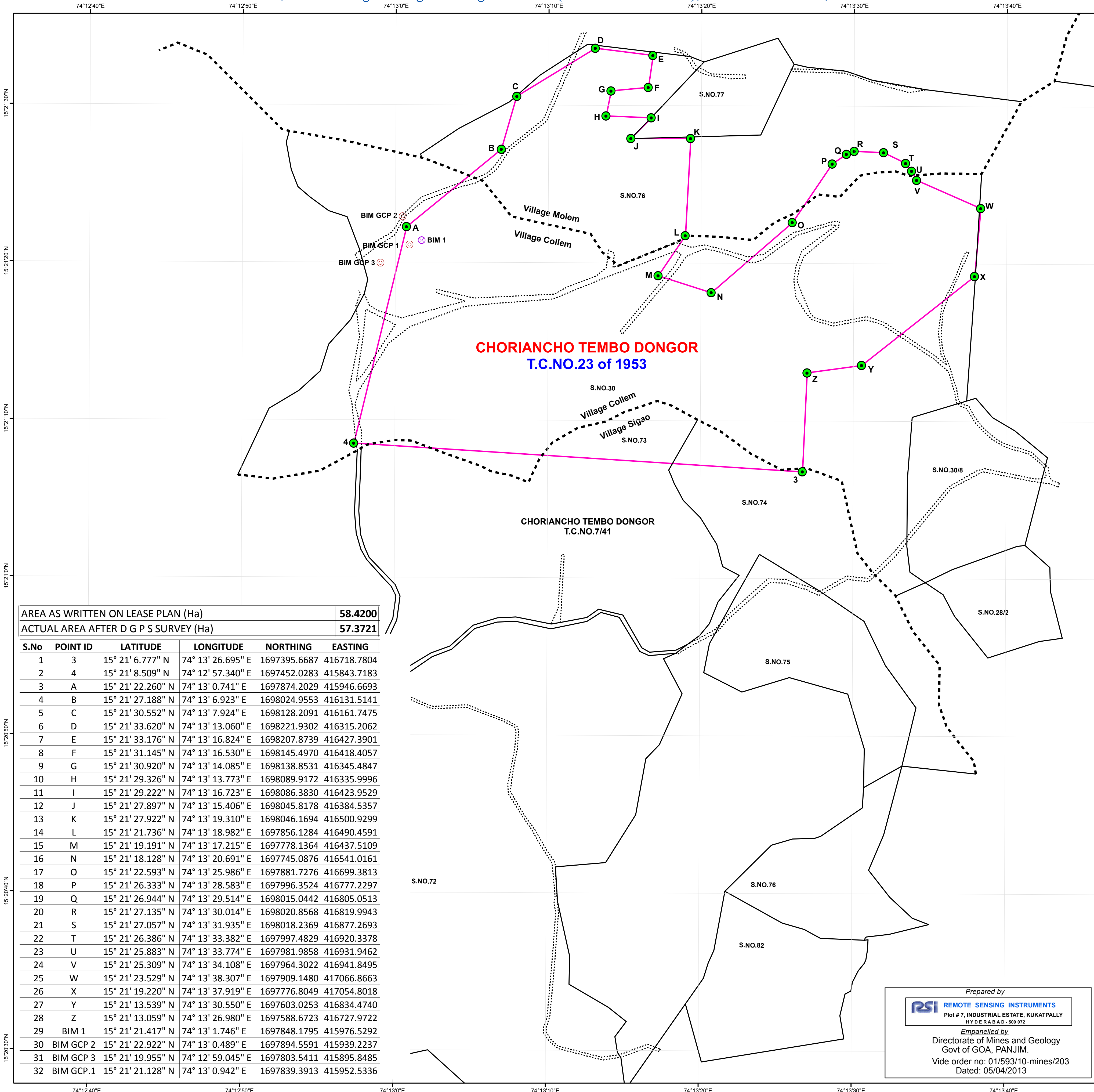


**EMCO GOA PRIVATE LIMITED, MARGAO-GOIA.**  
**Geo Referenced Cadastral Map of Choriancho Tembo Dongor Mining Lease, bearing T.C. No. 23 of 1953, situated in Molem, Collem & Sigao Villages of Sanguem Taluka(Dharbandora Taluka), Sourth Goa District, Goa State.**



**CHORIANCHO TEMBO DONGOR**  
**T.C.NO.23 of 1953**

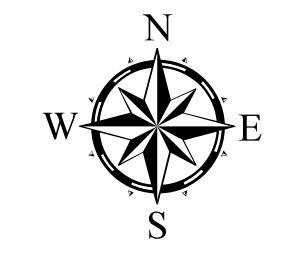
CHORIANCHO TEMBO DONGOR  
T.C.NO.7/41

AREA AS WRITTEN ON LEASE PLAN (Ha) **58.4200**  
ACTUAL AREA AFTER D G P S SURVEY (Ha) **57.3721**

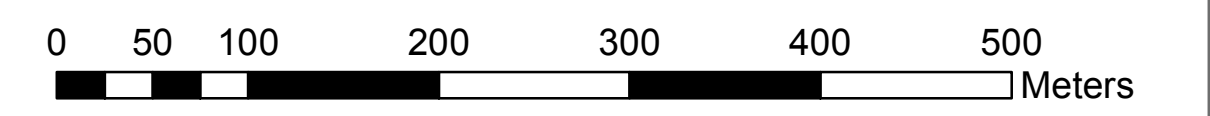
S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	3	15° 21' 6.777" N	74° 13' 26.695" E	1697395.6687	416718.7804
2	4	15° 21' 8.509" N	74° 12' 57.340" E	1697452.0283	415843.7183
3	A	15° 21' 22.260" N	74° 13' 0.741" E	1697874.2029	415946.6693
4	B	15° 21' 27.188" N	74° 13' 6.923" E	1698024.9553	416131.5141
5	C	15° 21' 30.552" N	74° 13' 7.924" E	1698128.2091	416161.7475
6	D	15° 21' 33.620" N	74° 13' 13.060" E	1698221.9302	416315.2062
7	E	15° 21' 33.176" N	74° 13' 16.824" E	1698207.8739	416427.3901
8	F	15° 21' 31.145" N	74° 13' 16.530" E	1698145.4970	416418.4057
9	G	15° 21' 30.920" N	74° 13' 14.085" E	1698138.8531	416345.4847
10	H	15° 21' 29.326" N	74° 13' 13.773" E	1698089.9172	416335.9996
11	I	15° 21' 29.222" N	74° 13' 16.723" E	1698086.3830	416423.9529
12	J	15° 21' 27.897" N	74° 13' 15.406" E	1698045.8178	416384.5357
13	K	15° 21' 27.922" N	74° 13' 19.310" E	1698046.1694	416500.9299
14	L	15° 21' 21.736" N	74° 13' 18.982" E	1697856.1284	416490.4591
15	M	15° 21' 19.191" N	74° 13' 17.215" E	1697778.1364	416437.5109
16	N	15° 21' 18.128" N	74° 13' 20.691" E	1697745.0876	416541.0161
17	O	15° 21' 22.593" N	74° 13' 25.986" E	1697881.7276	416699.3813
18	P	15° 21' 26.333" N	74° 13' 28.583" E	1697996.3524	416777.2297
19	Q	15° 21' 26.944" N	74° 13' 29.514" E	1698015.0442	416805.0513
20	R	15° 21' 27.135" N	74° 13' 30.014" E	1698020.8568	416819.9943
21	S	15° 21' 27.057" N	74° 13' 31.935" E	1698018.2369	416877.2693
22	T	15° 21' 26.386" N	74° 13' 33.382" E	1697997.4829	416920.3378
23	U	15° 21' 25.883" N	74° 13' 33.774" E	1697981.9858	416931.9462
24	V	15° 21' 25.309" N	74° 13' 34.108" E	1697964.3022	416941.8495
25	W	15° 21' 23.529" N	74° 13' 38.307" E	1697909.1480	417066.8663
26	X	15° 21' 19.220" N	74° 13' 37.919" E	1697776.8049	417054.8018
27	Y	15° 21' 13.539" N	74° 13' 30.550" E	1697603.0253	416834.4740
28	Z	15° 21' 13.059" N	74° 13' 26.980" E	1697588.6723	416727.9722
29	BIM 1	15° 21' 21.417" N	74° 13' 1.746" E	1697848.1795	415976.5292
30	BIM GCP 2	15° 21' 22.922" N	74° 13' 0.489" E	1697894.5591	415939.2237
31	BIM GCP 3	15° 21' 19.955" N	74° 12' 59.045" E	1697803.5411	415895.8485
32	BIM GCP.1	15° 21' 21.128" N	74° 13' 0.942" E	1697839.3913	415952.5336

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: 28th & 29th June, 2013

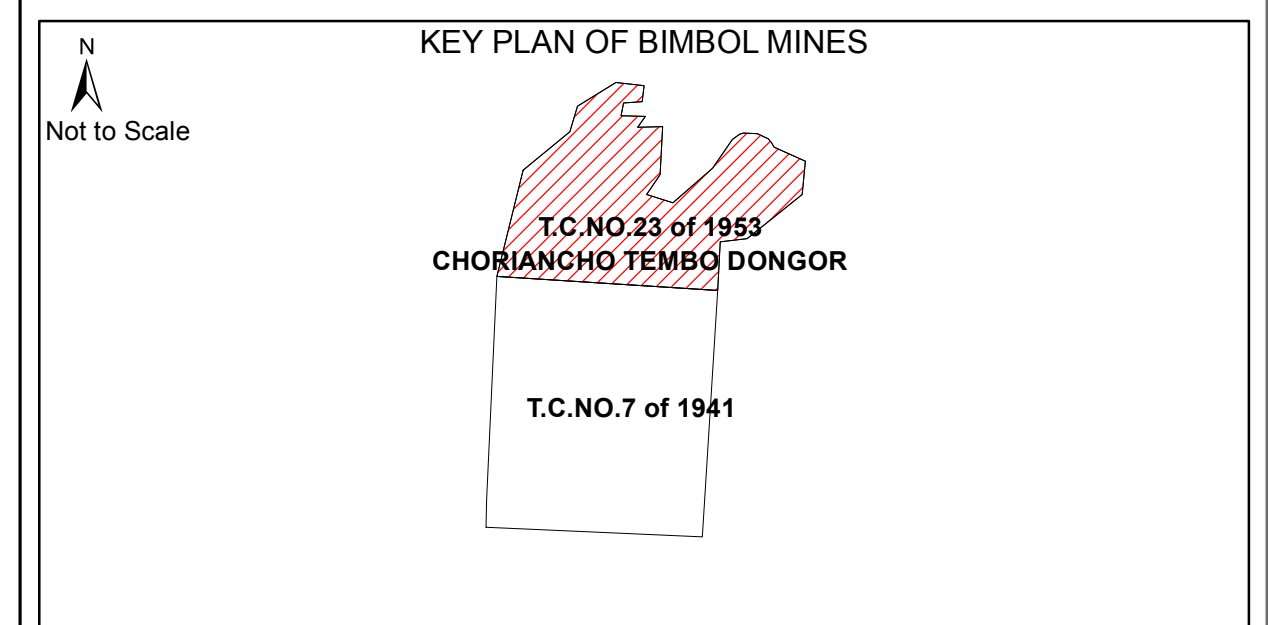


SCALE 1:3,960

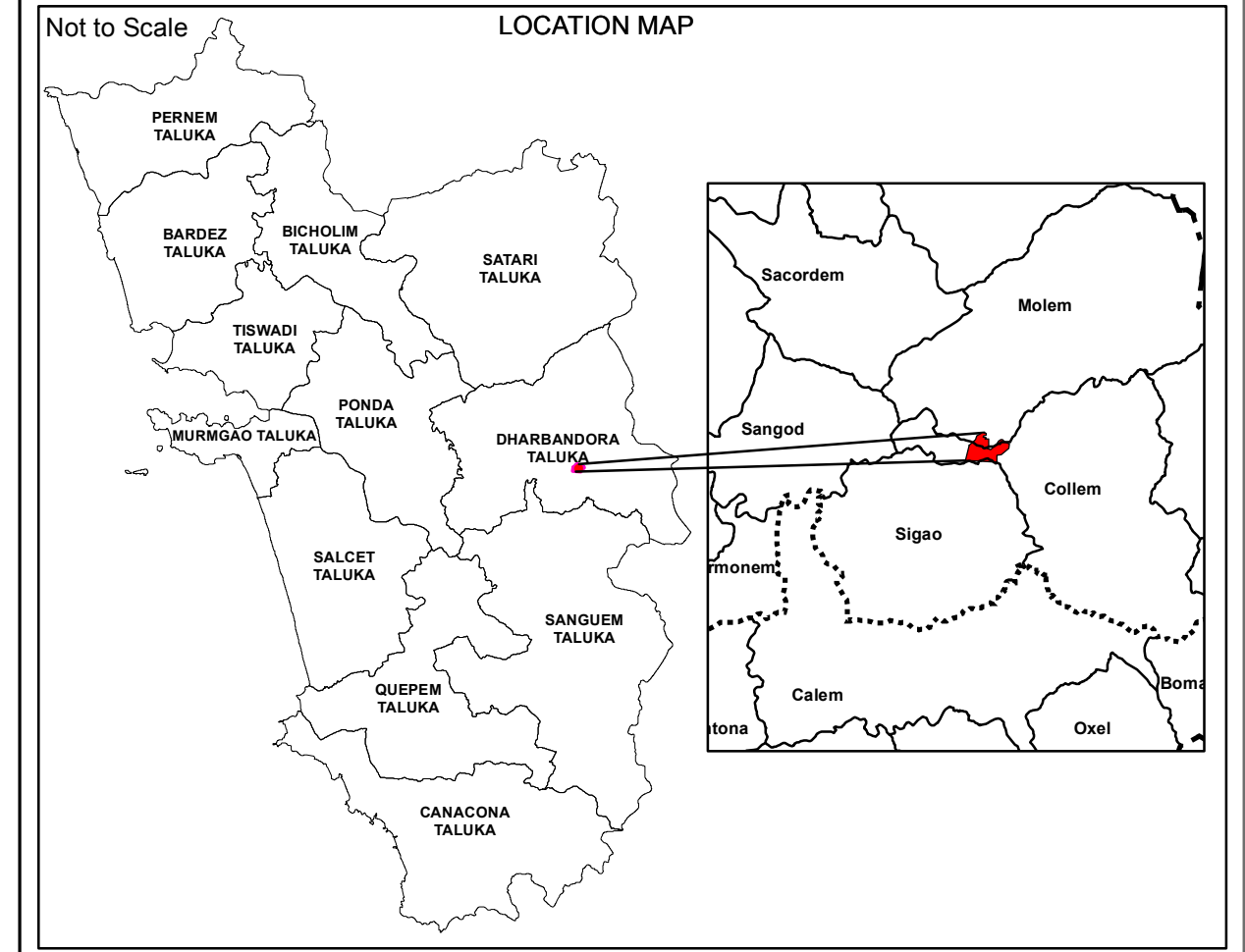


**Legend**

- 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. 23 of 1953 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.MADHUKAR R.MALLYA  
(Chairman & Managing Director)

**Certificate by Accredited Agency**

This is to certify that the lease boundary pillars of T.C.No. 23 of 1953, shown by Mr. MADHUKAR R.MALLYA (Chairman & Managing Director) 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