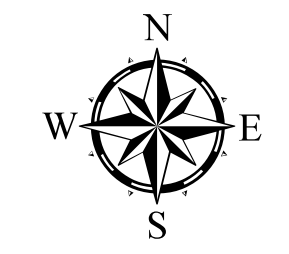
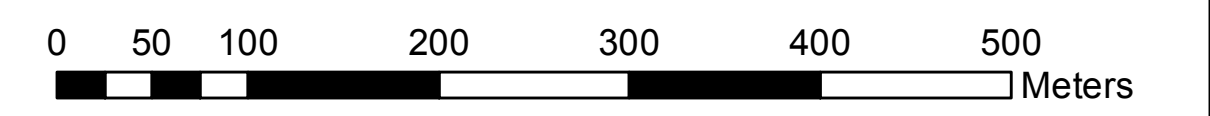


Geo Referenced Cadastral Map of Tolpi - E-Mardando Mining Lease, bearing T.C. No. 21 of 1954, situated in Surla & Cudnem Villages of Bicholim Taluka, North Goa District. Goa State



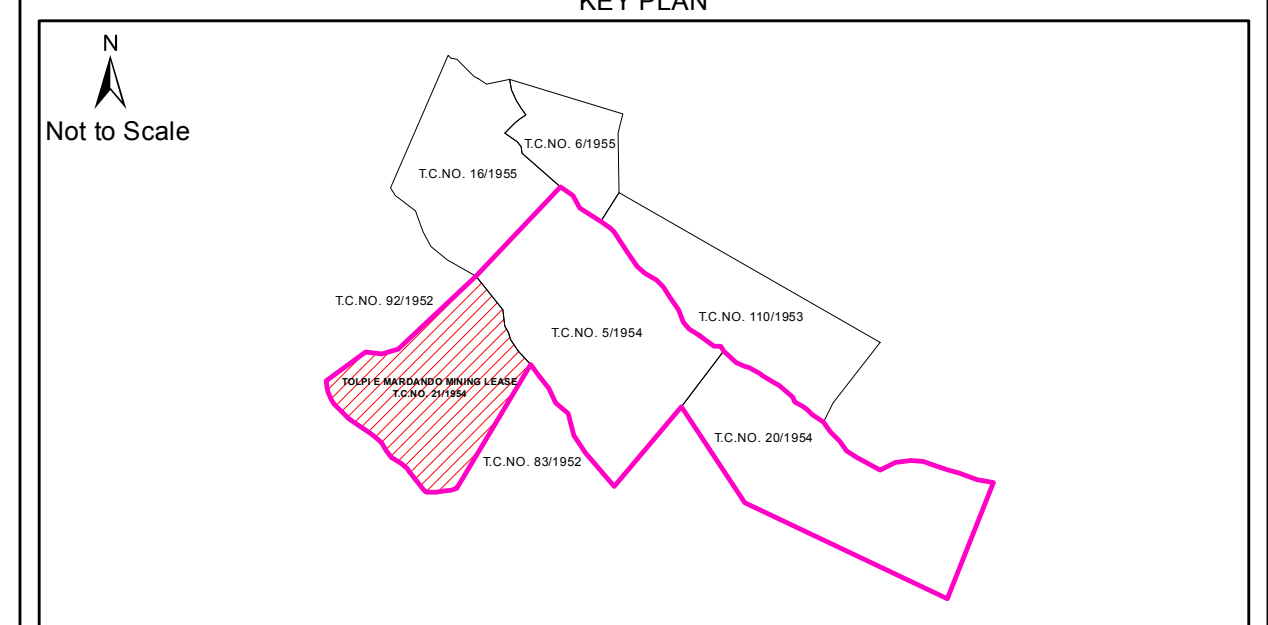
SCALE 1:3,960



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

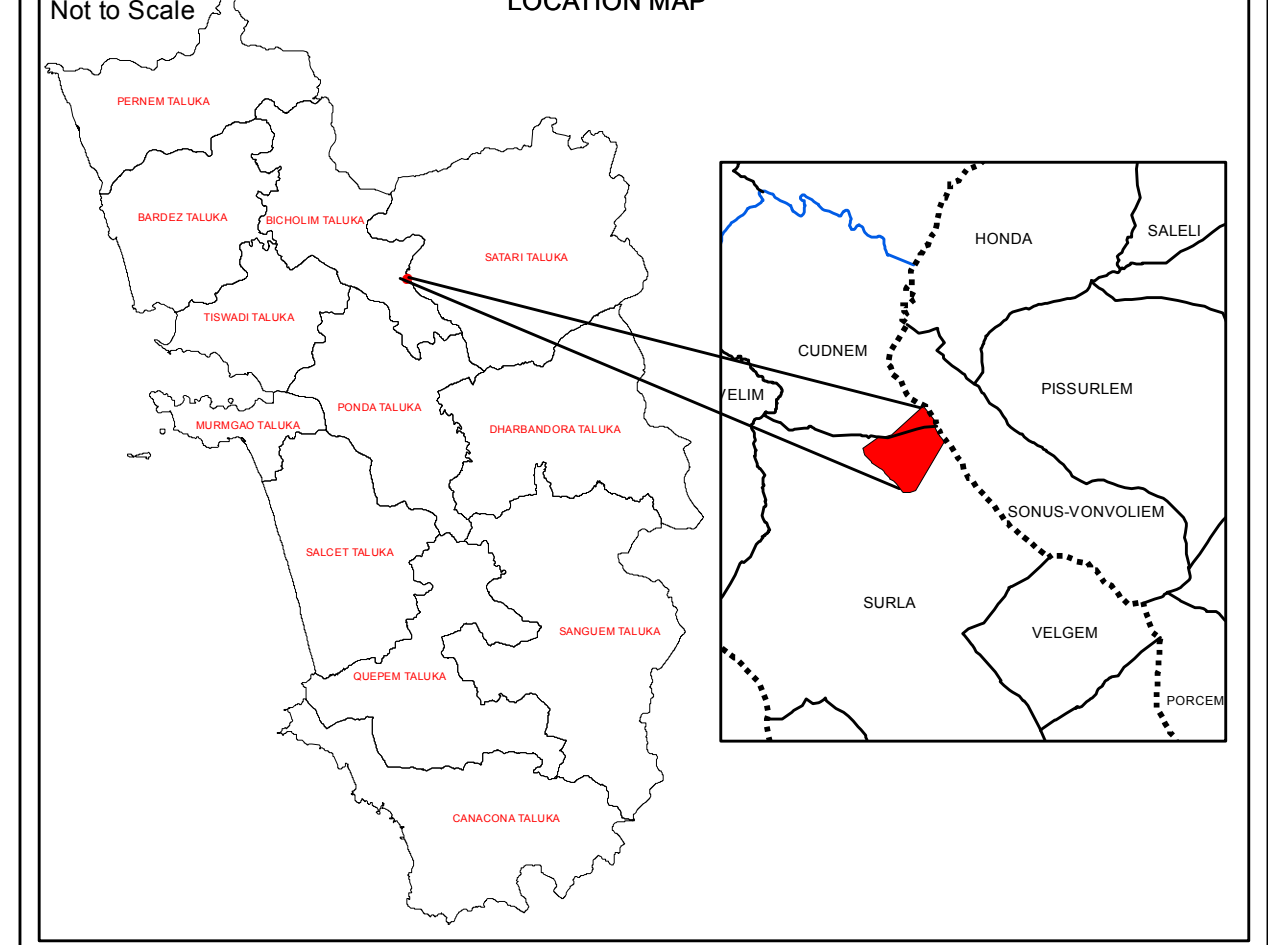
KEY PLAN



DATUM : WGS 84

PROJECTION : UTM_Zone_43N

LOCATION MAP



Survey number wise area within mining lease			
S No	Village Name	Survey No	Area in Ha
1	CUDNEM	S.No.152	7.0675
2	SURLA	ROAD	0.2272
3	SURLA	S.No.170	0.5000
4	SURLA	S.No.171	0.7450
5	SURLA	S.No.172	2.9337
6	SURLA	S.No.173	2.1000
7	SURLA	S.No.174	8.4325
8	SURLA	S.No.175	11.8400
9	SURLA	S.No.176	5.2375
10	SURLA	S.No.177	5.7086
11	SURLA	S.No.178	7.9875
12	SURLA	S.No.179	7.4300
13	SURLA	S.No.180	2.4960
14	SURLA	S.No.181	0.8134
15	SURLA	S.No.182	0.5582
Total			64.0771

AREA AS WRITTEN ON LEASE PLAN (Ha)	65.7940
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	65.7921
ACTUAL AREA AFTER TOTAL STATION & D G P S SURVEY (Ha)	64.0771

S.No	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	TM BP1	15° 30' 59.378" N	74° 2' 26.077" E	1715684.3150	397102.4490
2	TM BP2	15° 31' 20.794" N	74° 2' 39.091" E	1716340.6574	397493.1391
3	TM BP3	15° 31' 23.162" N	74° 2' 36.857" E	1716413.7200	397426.9000
4	TM BP4	15° 31' 25.008" N	74° 2' 35.436" E	1716470.6410	397384.8150
5	TM BP5	15° 31' 26.175" N	74° 2' 35.111" E	1716506.5250	397375.2930
6	TM BP6	15° 31' 27.412" N	74° 2' 34.503" E	1716544.6336	397357.3501
7	TM BP7	15° 31' 30.148" N	74° 2' 34.021" E	1716628.7540	397343.3610
8	TM BP8	15° 31' 35.931" N	74° 2' 29.290" E	1716807.1017	397203.2191
9	TM BP9	15° 31' 23.312" N	74° 2' 15.605" E	1716421.1650	396793.7470
10	TM BP10	15° 31' 22.472" N	74° 2' 12.613" E	1716395.7391	396704.5040
11	TM BP11	15° 31' 22.750" N	74° 2' 9.778" E	1716404.6615	396620.0757
12	TM BP12	15° 31' 17.788" N	74° 2' 2.702" E	1716253.1520	396408.5890

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. 21 of 1954 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr.B.K.Prusty
 (Mines Manager)

Note:
 Surla-Sonshi Iron Ore Mine is consisting of 3 Contiguous Leases bearing T. C. Nos. 5/1954, 20/1954 & 21/1954

CERTIFICATE
 This is to certify that the lease boundary pillars of T.C. No. 21 of 1954, shown by Mr.B.K.Prusty (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 : 19th May, 2013