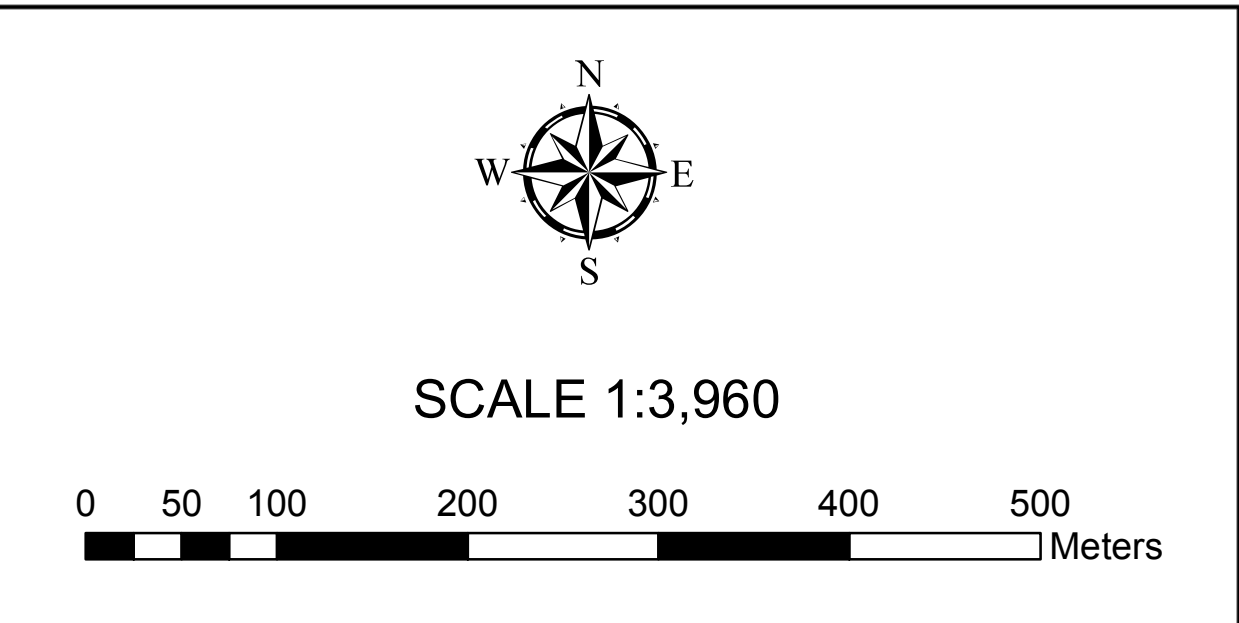
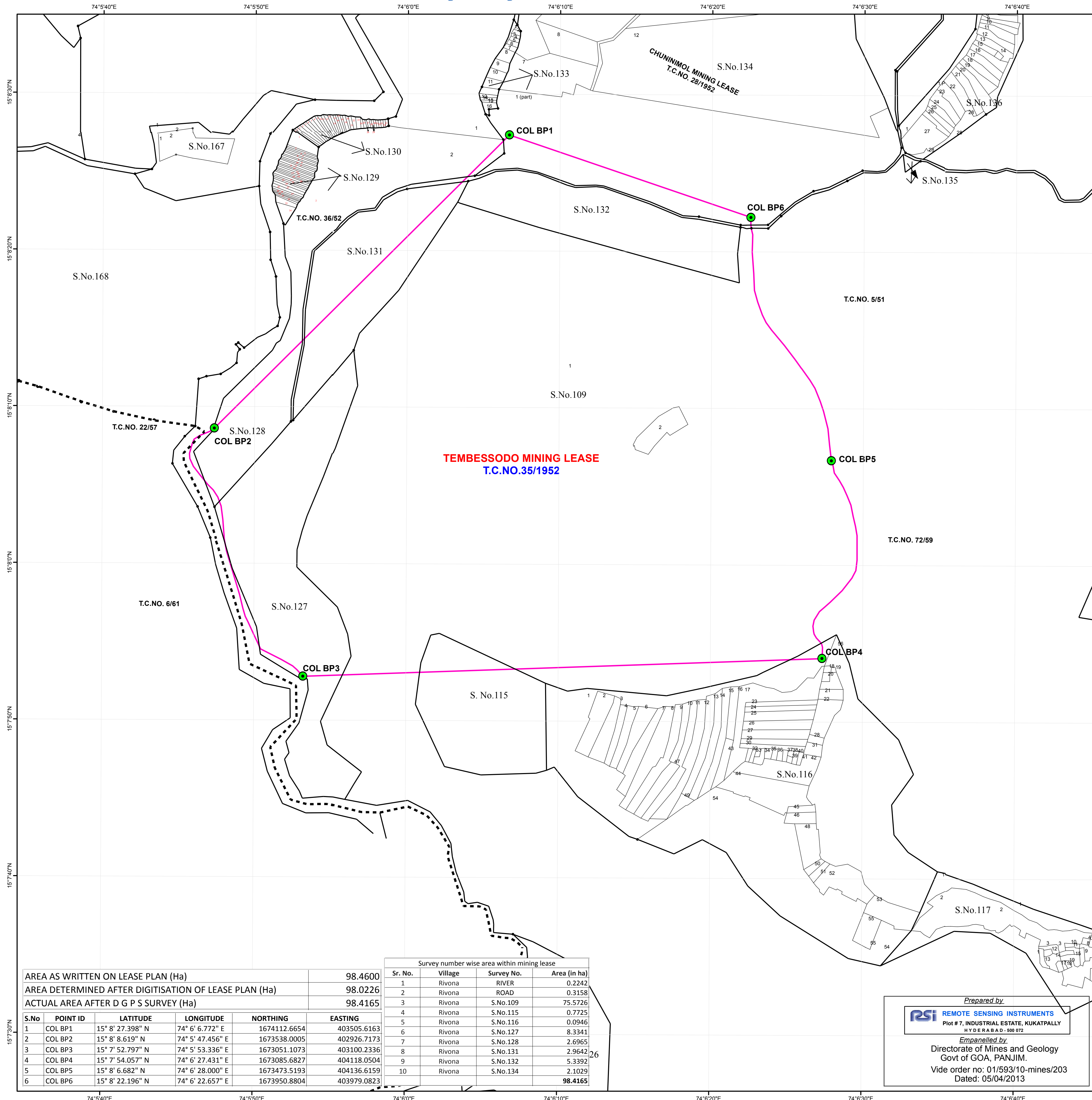
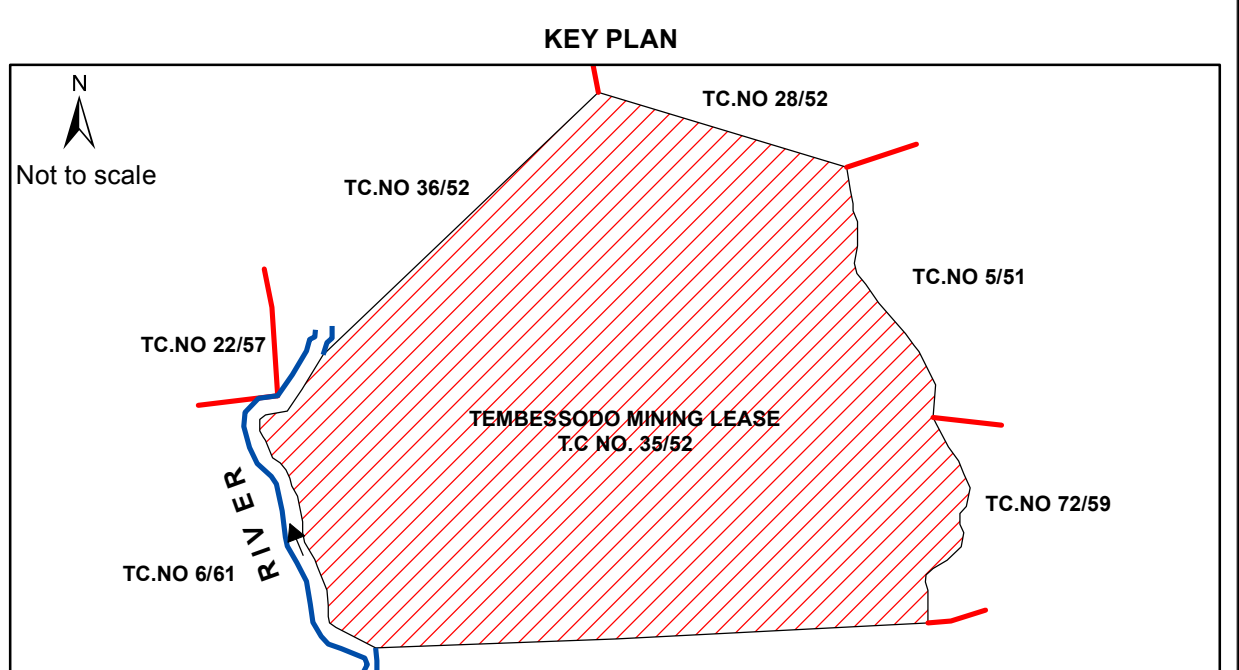


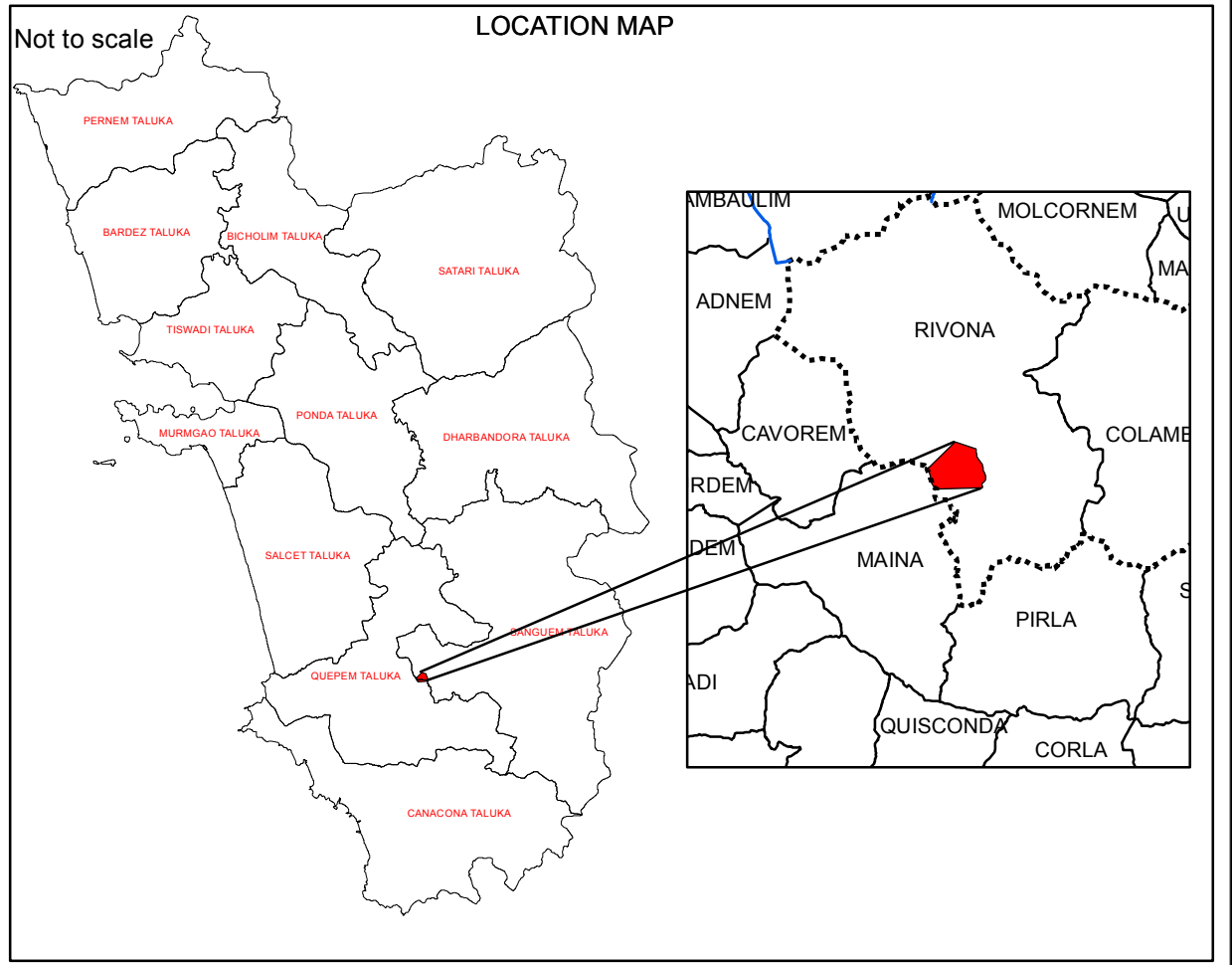
Geo - Referenced Cadastral Map of Tembessodo Mining Lease Bearing T.C No. 35 of 1952, Situated In Rivona Village of Sanguem Taluka, South Goa District, Goa State



- 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



CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 35 of 1952 have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

Mr. Vijayanand Chakrasali
(Mines Manager)

CERTIFICATE

This is to certify that the lease boundary pillars of T.C. No. 35 of 1952, shown by Mr. Vijayanand Chakrasali (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

AREA AS WRITTEN ON LEASE PLAN (Ha)	98.4600
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN (Ha)	98.0226
ACTUAL AREA AFTER D G P S SURVEY (Ha)	98.4165

Survey number wise area within mining lease			
Sr. No.	Village	Survey No.	Area (in ha)
1	Rivona	RIVER	0.2242
2	Rivona	ROAD	0.3158
3	Rivona	S.No.109	75.5726
4	Rivona	S.No.115	0.7725
5	Rivona	S.No.116	0.0946
6	Rivona	S.No.127	8.3341
7	Rivona	S.No.128	2.6965
8	Rivona	S.No.131	2.9642
9	Rivona	S.No.132	5.3392
10	Rivona	S.No.134	2.1029
98.4165			

S.No.	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	COL BP1	15° 8' 27.398" N	74° 6' 6.772" E	1674112.6654	403505.6163
2	COL BP2	15° 8' 8.619" N	74° 5' 47.456" E	1673538.0005	402926.7173
3	COL BP3	15° 7' 52.797" N	74° 5' 53.336" E	1673051.1073	403100.2336
4	COL BP4	15° 7' 54.057" N	74° 6' 27.431" E	1673085.6827	404118.0504
5	COL BP5	15° 8' 6.682" N	74° 6' 28.000" E	1673473.5193	404136.6159
6	COL BP6	15° 8' 22.196" N	74° 6' 22.657" E	1673950.8804	403979.0823

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 : 23rd May, 2013