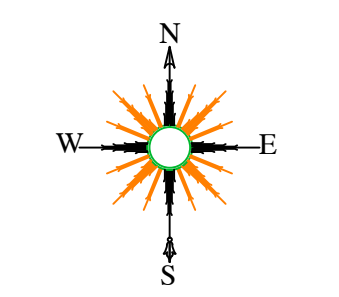
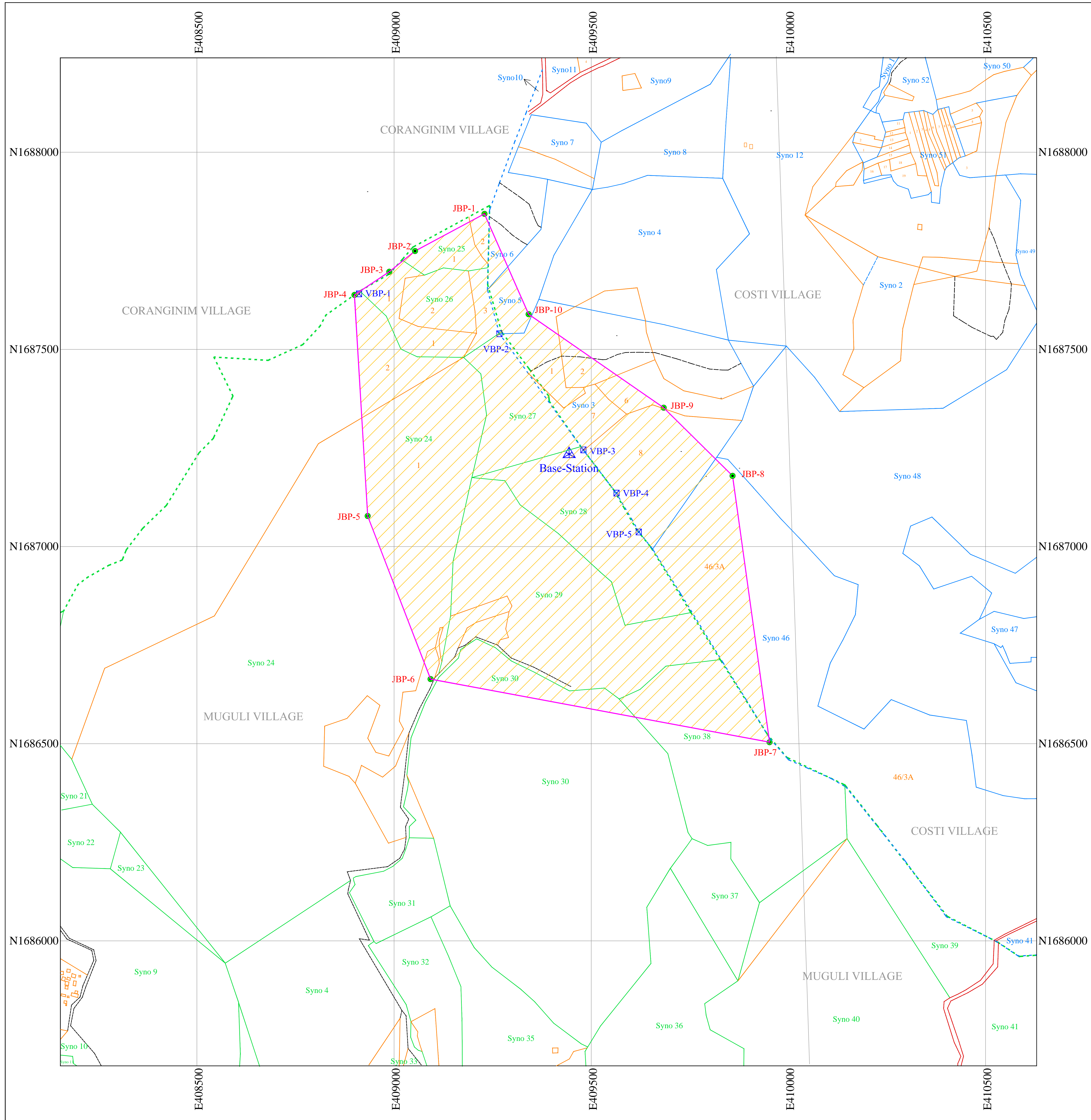
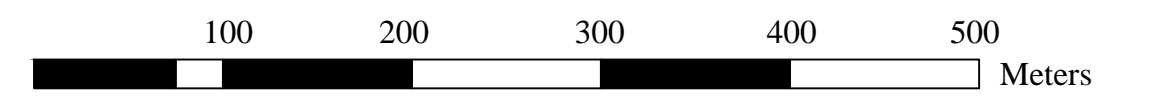


**GEO REFERENCED CADASTRAL MAP OF ZAMBLIMOLLACHO SODDO IRON ORE MINE , MINING LEASE BEARING T.C.No-2/16-1-1957, SITUATED IN MUGULI & COSTI VILLAGES OF SANGUEM TALUKA,SOUTH GOA DISTRICT,GOA STATE.**



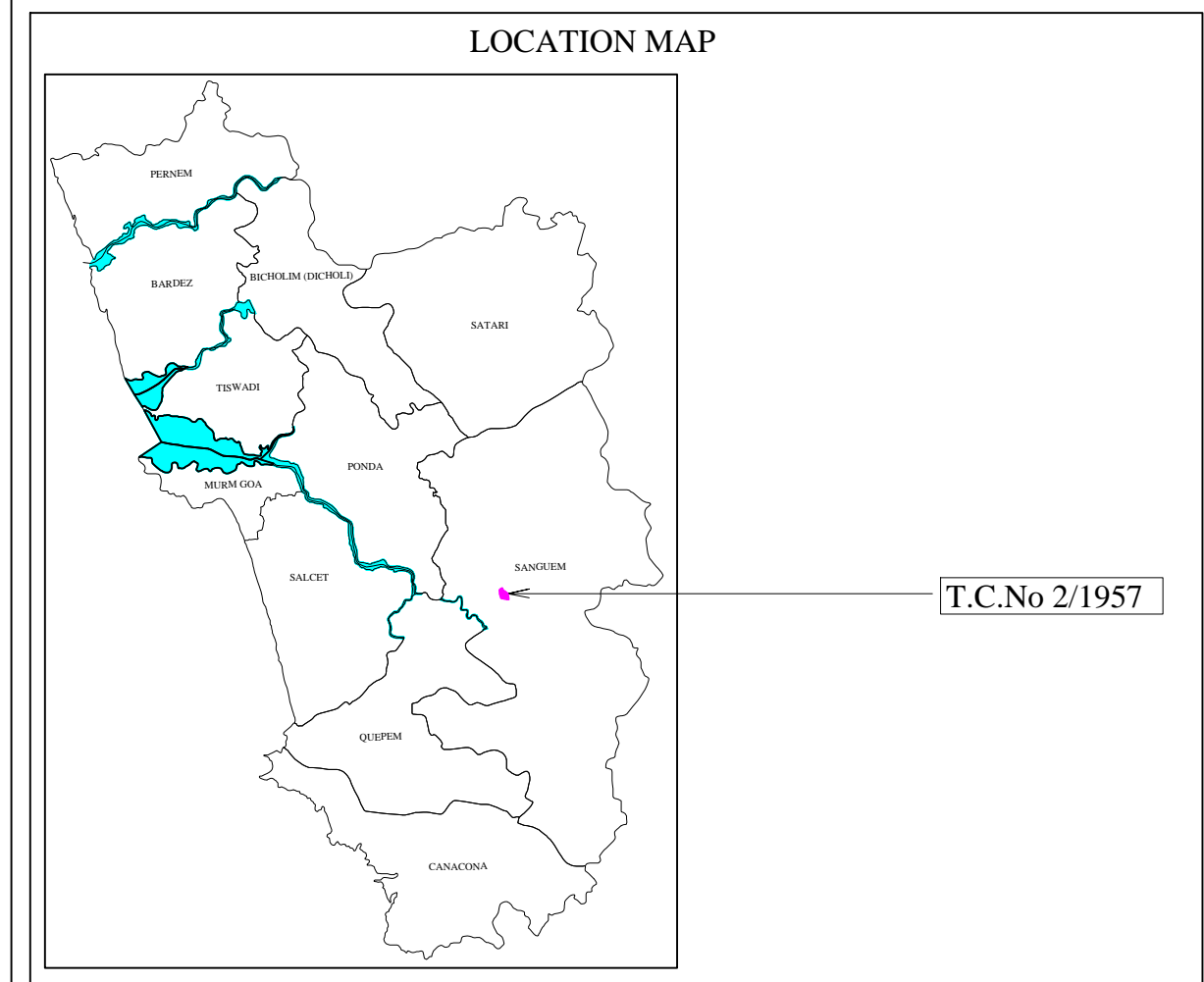
SCALE-1:3960



**INDEX**

- DGPS POINTS OF LEASE BOUNDARY
- ⊠ DGPS POINTS OF VILLAGE BOUNDARY PILLAR
- MINE LEASE BOUNDARY AS PER DGPS SURVEY
- ADJACENT MINE LEASE BOUNDARY
- SURVEY No BOUNDARY
- SUB DIVISION OF SURVEY No
- TALUKA BOUNDARY
- VILLAGE BOUNDARY
- MAIN ROAD
- CART ROAD
- FOOT PATH
- BUILDINGS

DATUM : WGS 84  
PROJECTION: UTM\_ZONE\_43N



**CERTIFICATE**

This is certify that the boundary pillars of which the DGPS survey readings are taken are the boundary pillars situated on ground for T.C.No.2/1957.The same are surveyed as required by the Indian Bureau of Mines vide their Circular No.2/2010 dated 6-4-2010

Mines Manager

**CERTIFICATE**

This is certify that the boundary pillars as shown by Shri \_\_\_\_\_ was surveyed by our team led by Shri Johnson C.M (Asst.Manager) using DGPS(Differential Global Positioning System)instruments. The Lease map and pillar locations have been verified,survey conducted and plans prepared as required by the Indian Bureau of Mines vide their Circular No.2/2010 dated 6-4-2010

Kaliprasad S.B  
Chaithanya Geo Lynx

Directorate of Mines and Geology-Panaji-Goa

Checked by

Certified by

Surveying Officer

Director of Mines and Geology

NOTE : JBP-1 & JBP-8 Corner Readings are AutoCAD generated owing to inaccessibility

Sno	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING	DATE
1	Base-Station	15°15'35.20408"	74°09'24.03497"	1687234.435	409443.961	13-06-2013
2	JBP-1	15°15'55.00545"	74°09'16.75638"	1687843.716	409229.206	--
3	JBP-2	15°15'51.91468"	74°09'10.86499"	1687749.429	409053.103	13-06-2013
4	JBP-3	15°15'50.19738"	74°09'08.68571"	1687696.914	408987.892	13-06-2013
5	JBP-4	15°15'48.27622"	74°09'05.73106"	1687638.226	408899.528	13-06-2013
6	JBP-5	15°15'30.03149"	74°09'06.92743"	1687077.479	408933.030	14-06-2013
7	JBP-6	15°15'16.59240"	74°09'12.32797"	1686663.908	409092.521	14-06-2013
8	JBP-7	15°15'11.49035"	74°09'41.16647"	1686503.809	409952.181	14-06-2013
9	JBP-8	15°15'33.46322"	74°09'37.93496"	1687179.341	409858.386	--
10	JBP-9	15°15'39.06366"	74°09'32.05650"	1687352.103	409683.698	13-06-2013
11	JBP-10	15°15'46.73723"	74°09'20.54386"	1687589.219	409341.197	13-06-2013
12	VBP-1	15°15'48.36294"	74°09'06.12279"	1687640.845	408911.223	13-06-2013
13	VBP-2	15°15'45.11279"	74°09'18.06696"	1687539.591	409267.119	13-06-2013
14	VBP-3	15°15'35.55787"	74°09'25.24689"	1687245.166	409480.154	13-06-2013
15	VBP-4	15°15'32.00265"	74°09'28.07812"	1687135.598	409564.186	13-06-2013
16	VBP-5	15°15'28.79995"	74°09'29.98126"	1687036.969	409620.576	13-06-2013

AREA AS WRITTEN ON LEASE PLAN	90.50 Ha.
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN	89.00 Ha.
ACTUAL AREA AFTER DGPS SURVEY	88.58 Ha.

Survey No Areas in mine area			
Sno	Village Name	Survey No	Area In Ha
1	MUGULI	24	18.37
2	MUGULI	25	01.89
3	MUGULI	26	05.92
4	MUGULI	27	05.48
5	MUGULI	28	08.64
6	MUGULI	29	19.15
7	MUGULI	30	03.17
8	MUGULI	38	04.44
9	COSTI	3	11.67
10	COSTI	5	01.12
11	COSTI	6	00.41
12	COSTI	46/3A	08.36

Prepared By  
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Empanelled by  
Directorate of Mines and Geology  
Govt of GOA, PANJIM  
Vide order no 01/593/10-mines/203  
Dated:05/04/2013