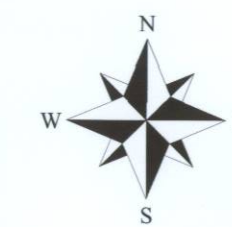


Geo Referenced Cadastral Map of Thatatem Soddo Iron Ore Mining Lease, bearing T. C. No. 52 of 1951, Lessee Raghuvir R. Paigankar, situated in Dharbandora Village of Dharbandora Taluka, South Goa District, Goa State



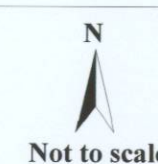
SCALE 1 : 3960



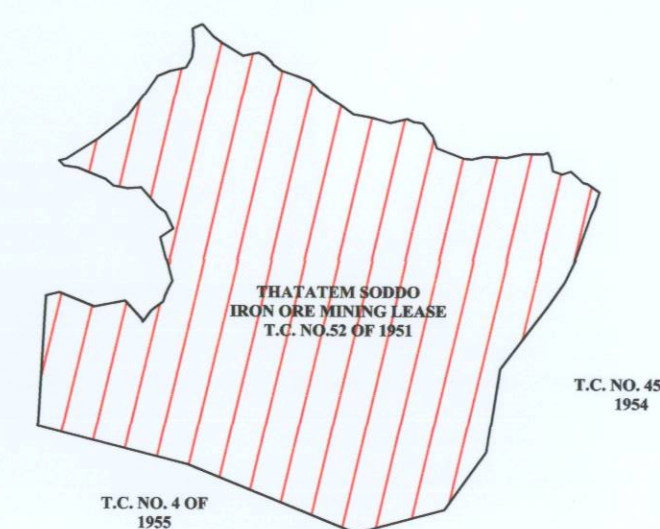
LEGEND

- DGPS POINT OF LEASE BOUNDARY
- LEASE BOUNDARY AS PER DGPS SURVEY
- SURVEY No. BOUNDARY
- SUB-DIVISION OF THE SURVEY No.
- VILLAGE BOUNDARY

KEY PLAN



Not to scale



DATUM: WGS 84

PROJECTION : UTM_Zone_43 N

LOCATION MAP

Not to scale



CERTIFICATE

This is to certify that the lease boundary pillars of T. C. No. 52 of 1951 of Raghuvir R. Paigankar have been surveyed using DGPS (Differential Global Positioning System) and is based upon the Total Station survey conducted earlier.

M. G. M. Krishna
M. G. M. Krishna
(Surveyor)

CERTIFICATE BY ACCREDITED AGENCY

This is to certify that the lease boundary pillars of T.C.No. 52 of 1951, shown by M. G. M. Krishna, Surveyor has been surveyed by our team led by Shri Nitin R Mantri, 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.

Nitin R Mantri
Surveyor

Dr. D.N. Gulhane
Key person

S.Kameswara Rao
Authorized Signatory

DIRECTORATE OF MINES AND GEOLOGY - PANAJI - GOA

Checked by

Certified by

Surveying Officer

Director of Mines and Geology

AREA AS PER CONCESSION DEED (Ha.)	91.54
ACTUAL AREA AFTER D G P S SURVEY (Ha.)	91.8049

S.No.	POINT ID	LATITUDE	LONGITUDE	NORTHING	EASTING
1	BP1	15° 22' 14.4857"	74° 8' 54.0863"	1699506.74105	408598.77229
2	BP1A	15° 22' 4.2322"	74° 8' 53.0872"	1699191.79467	408567.74597
3	BP2	15° 21' 54.3895"	74° 8' 52.5850"	1698889.41397	408551.57938
4	BP3	15° 21' 51.5812"	74° 9' 4.2301"	1698801.75596	408898.43799
5	BP4	15° 21' 46.4146"	74° 9' 17.4690"	1698641.45267	409292.53182
6	BP5	15° 21' 46.8997"	74° 9' 19.2450"	1698656.15370	409345.54334
7	BP6	15° 21' 48.2441"	74° 9' 24.2983"	1698696.87641	409496.36740
8	BP7	15° 21' 52.6280"	74° 9' 27.5291"	1698831.20422	409593.21749
9	BP8	15° 21' 58.9134"	74° 9' 28.5130"	1699024.22418	409623.30407
10	BP9	15° 22' 3.7646"	74° 9' 32.2123"	1699172.85843	409734.17841
11	BP10	15° 22' 5.4881"	74° 9' 33.4293"	1699225.67626	409770.66719
12	BP11	15° 22' 7.3634"	74° 9' 34.3549"	1699283.19077	409798.48707
13	BP12	15° 22' 11.3875"	74° 9' 35.8520"	1699406.66669	409843.60379
14	BP13	15° 22' 12.3725"	74° 9' 36.1631"	1699436.89904	409852.99727

Sr. No.	Village Name	Survey No.	Area in Ha.
1	Dharbandora	96	1.585
2	Dharbandora	97	16.9725
3	Dharbandora	120	10.1475
4	Dharbandora	121(PART)	53.7307
5	Dharbandora	127(PART)	3.0273
6	Dharbandora	128(PART)	1.4988
7	Dharbandora	129(PART)	4.0006
8	Dharbandora	NALLAH	0.8425
Total			91.8049

Prepared By :



GLOBAL ENVIRONMENT & MINING SERVICES

(Consulting Engineers, Mine designers, Geologist & Surveyors)

"2nd Floor, SMSK Skies", Dam Road,
Beside Siddhipriya Kalyan Mantap, Amaravathi,
Hospet - 583 201 Dist: Bellary, Karnataka, India.

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: 23-06-2013