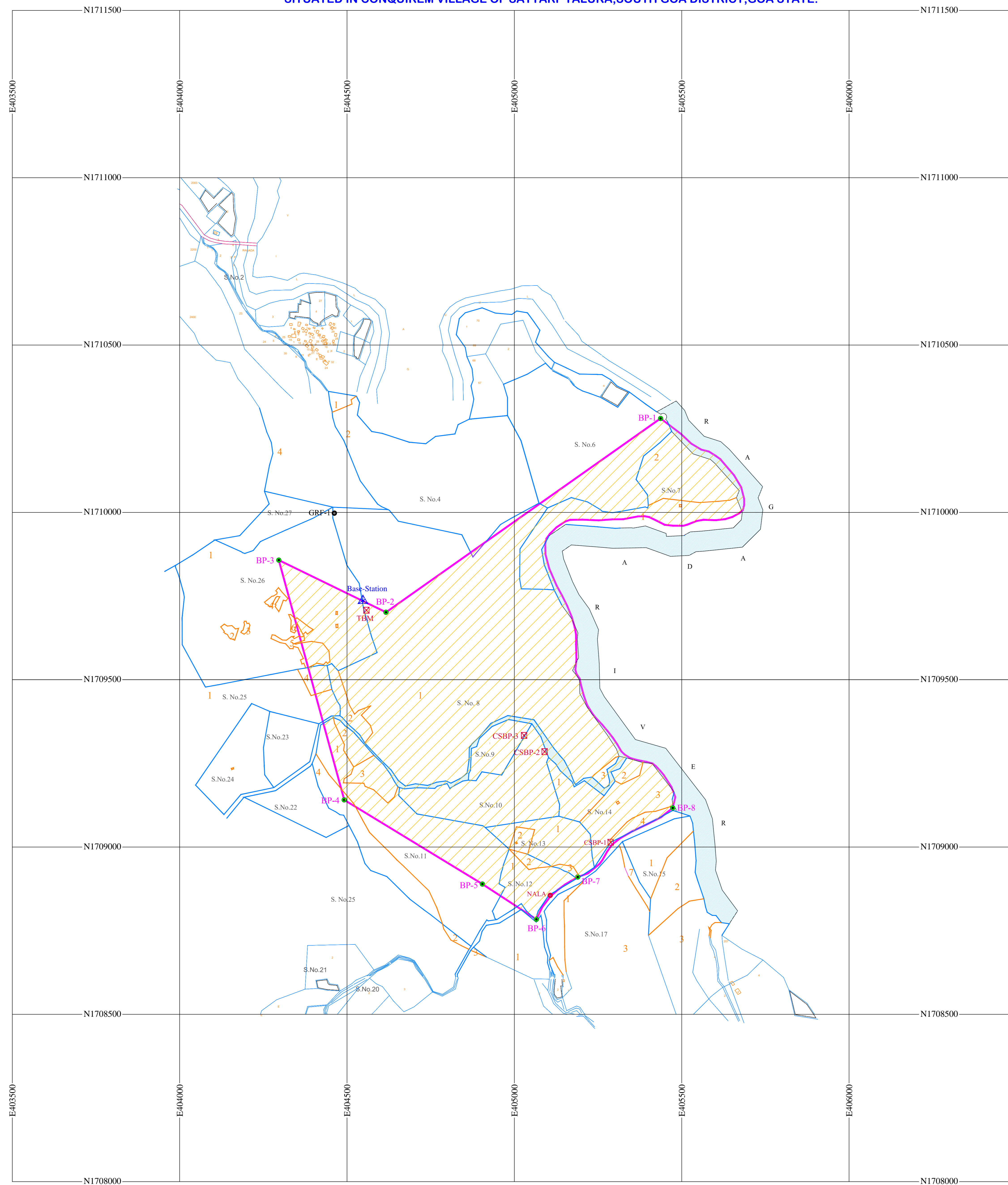


**GEO REFERENCED CADASTRAL MAP OF MORTIMOLAVORIL SODDO MINES, MINING LEASE BEARING T.C.No-21/1959,
SITUATED IN CONQUIREM VILLAGE OF SATTARI TALUKA, SOUTH GOA DISTRICT, GOA STATE.**



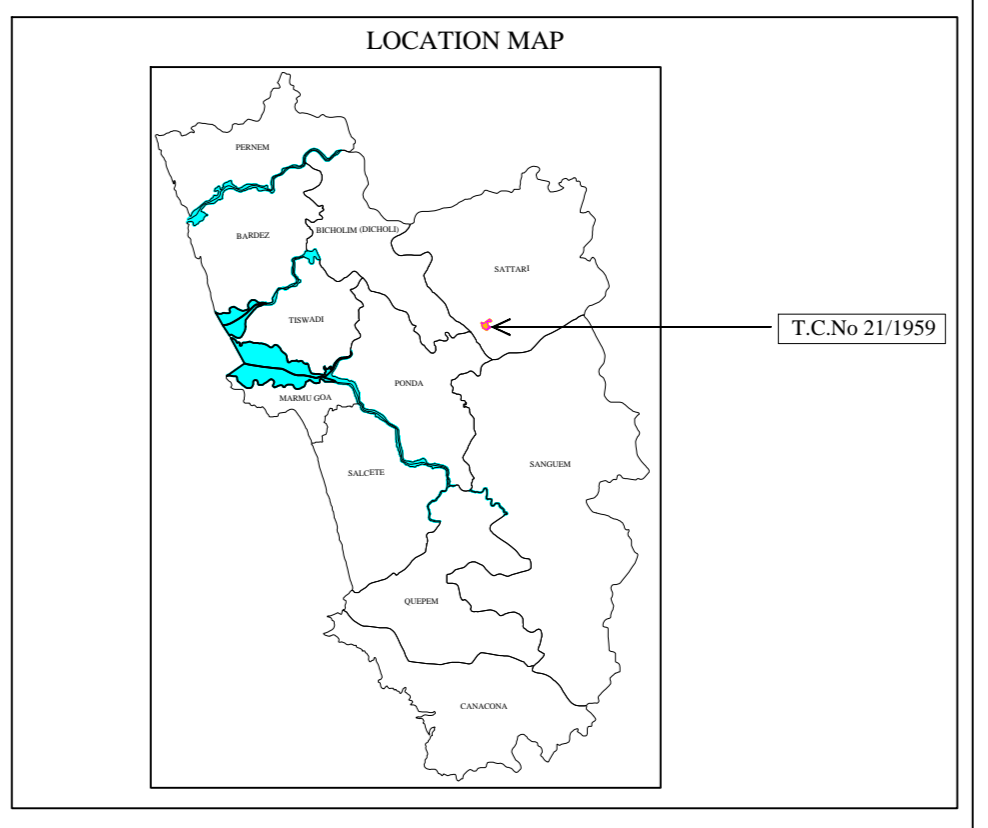
SCALE-1:3960

0 50 100 200 300 400 500
Meters

INDEX

- DGPS POINTS OF LEASE BOUNDARY
- DGPS POINTS OF CADASTRAL SURVEY BOUNDRY PILLARS
- ▭ MINE LEASE BOUNDARY AS PER DGPS SURVEY
- SURVEY No BOUNDARY
- SUB DIVISION OF SURVEY No
- ⋯⋯⋯ CART TRACK
- ▭ ROAD
- ▭ STRUCTURES
- ▭ NALLAH

DATUM : WGS 84
PROJECTION : UTM_ZONE_48N



CERTIFICATE

This is to certify that the boundary pillars of which the DGPS survey readings are taken are the boundary pillars situated on ground for T.C.No.21/1959. The same are surveyed as required by the Indian Bureau of Mines vide their Circular No.2/2010 dated 6-4-2010.

Pradheekumar R.Kubal
Mines Surveyor

CERTIFICATE

This is to certify that the boundary pillars as shown by Smt Pradheekumar R.Kubal (Mines Surveyor) was surveyed by our team led by Johnson C.M.(Asst Manager) using DGPS Differential Global Positioning System measurements. 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
Chaitanya Geo Lynx

DGPS READINGS :-

Point ID	Latitude	Longitude	Northing	Eastng	Date
Base-Station/VBP	15°27'46.84728"	74°06'36.78601"	1709735.969	404547.455	02/10/2013
TBM/VBP	15°27'45.92472"	74°06'37.14296"	1709707.577	404557.975	02/10/2013
BP-1	15°28'04.69452"	74°07'06.55574"	1710280.720	404536.874	01/10/2013
BP-2	15°27'45.73430"	74°06'59.10801"	1709701.483	404616.511	01/10/2013
BP-3	15°27'50.76265"	74°06'28.33996"	1709857.324	404296.253	01/10/2013
BP-4	15°27'27.47112"	74°06'54.99739"	1709140.801	404491.686	01/10/2013
BP-5	15°27'19.34179"	74°06'48.88406"	1708889.294	404904.504	01/10/2013
BP-6	15°27'15.92847"	74°06'54.30968"	1708783.743	405065.767	02/10/2013
BP-7	15°27'20.06810"	74°06'58.43703"	1708910.439	405189.264	02/10/2013
BP-8	15°27'26.82087"	74°07'07.93379"	1709116.776	405473.168	02/10/2013
VBP-1	15°27'23.45752"	74°07'01.22278"	1709004.187	405287.644	03/10/2013
VBP-2	15°27'32.24482"	74°06'55.06211"	1709285.018	405060.256	02/10/2013
VBP-3	15°27'33.81541"	74°06'52.99798"	1709333.532	405028.939	02/10/2013
NALA	15°27'18.27142"	74°06'55.68589"	1708855.568	405107.078	02/10/2013

Survey No Areas in mine area			Survey No Areas in mine area		
Srl	Village Name	Area In Ha	Srl	Village Name	Area In Ha
1	Conquirem	4	1	Conquirem	13
2	Conquirem	6	2	Conquirem	14
3	Conquirem	7	3	Conquirem	15
4	Conquirem	8	4	Conquirem	16
5	Conquirem	9	5	Conquirem	17
6	Conquirem	10	6	Conquirem	18
7	Conquirem	11	7	Conquirem	19
8	Conquirem	12	8	Conquirem	20
9	Conquirem	13	9	Conquirem	21
10	Conquirem	14	10	Conquirem	22
11	Conquirem	15	11	Conquirem	23
12	Conquirem	16	12	Conquirem	24
Total		87.34	Total		87.34

AREA AS WRITTEN ON LEASE PLAN	87.37 Ha.
AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN	87.37 Ha.
ACTUAL AREA AFTER DGPS SURVEY	87.34 Ha.

Prepared By
CHAITANYA GEO LYNX
SURYAVARJUN, SURVEY & ENVIRONMENTAL
CONSULTANTS AND MAPPING LTD.
08199-200403 or mgps@pradha.com

Empanelled by
Directorate of Mines and Geology
Govt of GOA, PANJIM
vide order no 01/20110-mines/2013
Date:05/04/2013

Directorate of Mines and Geology-Panaji-Goa	
Checked by	Certified by
Surveying Officer	Director of Mines and Geology