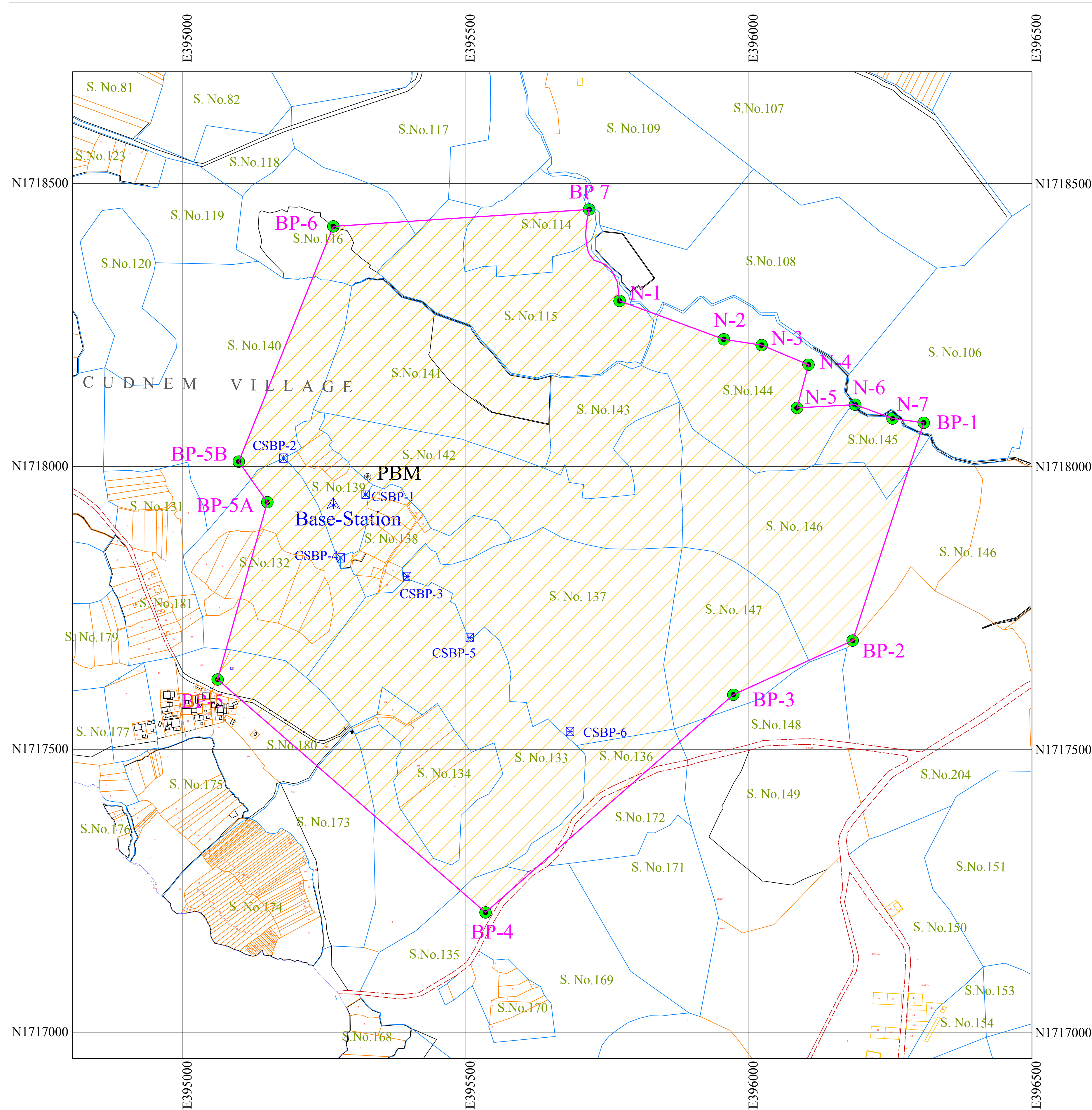


3EO REFERENCED CADASTRAL MAP OF CARMOLACHEM MOLL IRON ORE MINE, MINING LEASE BEARING T.C.No-48/1958,
SITUATED IN CUDNEM VILLAGE OF BICHOLIM TALUKA,NORTH GOA DISTRICT,GOA STATE.

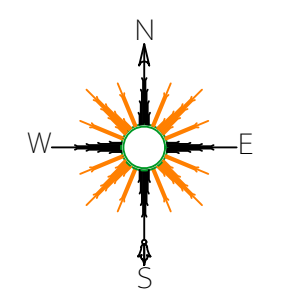


| | |
|--|-------------|
| AREA AS WRITTEN ON LEASE PLAN | 97.5474 Ha. |
| AREA DETERMINED AFTER DIGITISATION OF LEASE PLAN | 101.88 Ha. |
| ACTUAL AREA AFTER DGPS SURVEY | 95.86 Ha. |

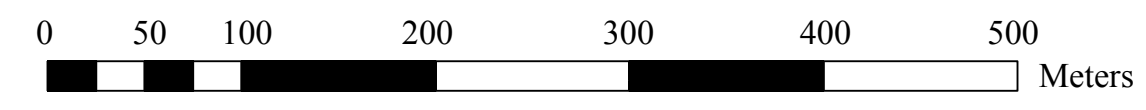
| Sno | POINT ID | LATITUDE | LONGITUDE | NORTHING | EASTING | DATE |
|-----|--------------|-----------------|-----------------|-------------|------------|-----------|
| 1 | Base-Station | 15°32'12.23368" | 74°01'24.08569" | 1717931.413 | 395265.707 | 24-5-2013 |
| 2 | BP-1 | 15°32'17.12347" | 74°01'59.07706" | 1718076.933 | 396308.818 | 25-5-2013 |
| 3 | BP-2 | 15°32'04.57964" | 74°01'54.92125" | 1717692.038 | 396183.268 | 26-5-2013 |
| 4 | BP-3 | 15°32'01.43398" | 74°01'47.85997" | 1717596.329 | 395972.464 | 24-5-2013 |
| 5 | BP-4 | 15°31'48.85035" | 74°01'33.22517" | 1717211.631 | 395534.711 | 24-5-2013 |
| 6 | BP-5 | 15°32'02.17346" | 74°01'17.27646" | 1717623.202 | 395061.439 | 26-5-2013 |
| 7 | BP-5A | 15°32'12.38163" | 74°01'20.17439" | 1717936.491 | 395149.206 | 24-5-2013 |
| 8 | BP-5B | 15°32'14.70869" | 74°01'18.46920" | 1718008.231 | 395098.734 | 24-5-2013 |
| 9 | BP-6 | 15°32'28.26162" | 74°01'24.01548" | 1718423.941 | 395265.865 | 24-5-2013 |
| 10 | BP 7 | 15°32'29.30387" | 74°01'39.17808" | 1718453.909 | 395717.712 | 25-5-2013 |
| 11 | N-1 | 15°32'24.05322" | 74°01'41.00642" | 1718292.316 | 395771.445 | 25-5-2013 |
| 12 | N-2 | 15°32'21.86990" | 74°01'47.19886" | 1718224.388 | 395955.617 | 25-5-2013 |
| 13 | N-3 | 15°32'21.54671" | 74°01'49.44424" | 1718214.153 | 396022.464 | 25-5-2013 |
| 14 | N-4 | 15°32'20.43252" | 74°01'52.22882" | 1718179.539 | 396105.263 | 25-5-2013 |
| 15 | N-5 | 15°32'17.94574" | 74°01'51.56032" | 1718103.214 | 396085.002 | 25-5-2013 |
| 16 | N-6 | 15°32'18.14686" | 74°01'55.00395" | 1718108.930 | 396187.619 | 25-5-2013 |

| Sno | Village Name | Survey No | Area In Ha |
|-----|--------------|-----------|------------|
| 1 | CUDNEM | 114 | 2.00 |
| 2 | CUDNEM | 115 | 7.14 |
| 3 | CUDNEM | 116 | 1.30 |
| 4 | CUDNEM | 117 | 0.04 |
| 5 | CUDNEM | 132 | 5.21 |

| Sno | Village Name | Survey No | Area In Ha |
|-----|--------------|-----------|------------|
| 13 | CUDNEM | 140 | 2.94 |
| 14 | CUDNEM | 141 | 7.73 |
| 15 | CUDNEM | 142 | 8.51 |
| 16 | CUDNEM | 143 | 3.39 |
| 17 | CUDNEM | 144 | 5.44 |



SCALE-1:3960

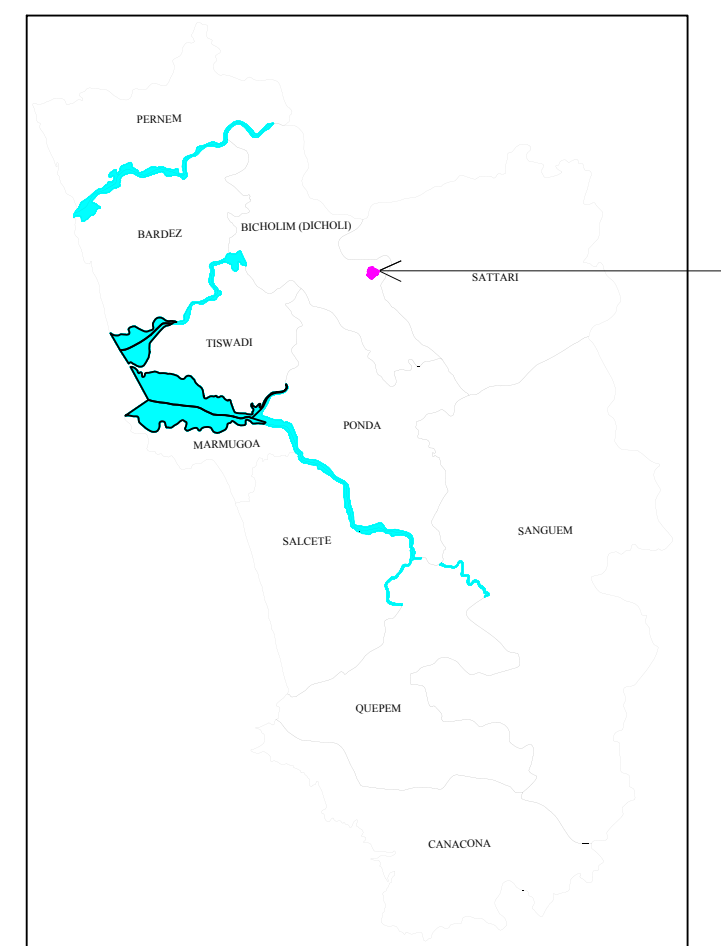


INDEX

- DGPS POINTS OF LEASE BOUNDARY
- ▲ BASE STATION
- ⊕ DGPS POINTS OF PERMANENT BENCH MARK
- ⊕ CSBP-1 DGPS POINTS OF CADASTRAL SURVEY 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
- ⋯ CART TRACK
- ⋯ ROAD
- ▭ STRUCTURES
- ▭ NALLAH

DATUM : WGS 84
PROJECTION: UTM_ZONE_43N

LOCATION MAP



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.48/1958. The same are surveyed as required by the Indian Bureau of Mines vide their Circular No.2/2010 dated 6-4-2010

(Rupesh F.Pangam)
Mines Manager

CERTIFICATE

This is certify that the boundary pillars as shown by Shri Pradeepkumar.R.Kubal (Mines Surveyor) was surveyed by our team led by Sridhar.B (Mines Surveyor) 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