# SUMMARY OF THE GARRAMURA LIMESTONE BLOCK

## PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK

| | Features | Details |
|---|---|---|
| **1.** | **Location** | |
| | Mineral Block | **Garramura** |
| | Latitude | 1. $20^0$ 17' 44.82499''N<br>2. $20^0$ 17' 52.61350''N<br>3. $20^0$ 17' 36.66507''N<br>4. $20^0$ 17' 28.86441''N |
| | Longitude | 1. $82^0$ 44' 44.14335''E<br>2. $82^0$ 45' 01.83148''E<br>3. $82^0$ 45' 09.22604''E<br>4. $82^0$ 44' 51.72710''E |
| | Villages | Garramura, Khariar |
| | Tehsil/Tauka | Khariar |
| | District | Nuapada |
| | State | Odisha |
| **2.** | **Area(hectares/square kilometres)** | |
| | Mineralised area | 19.579 Hectares |
| | Non-mineralised area | 10.677 Hectares |
| **3.** | **Exploration** | |
| | Status (G2/G3/G4 etc.) | G 2 |
| | Exploration Agency | Directorate of Geology, Odisha |
| | Total Number of Boreholes with meterage | 22, 1041.90m |
| | Borehole spacing(Density) | 100 m x 50 m |
| **4.** | **Quantity of Minerals(Grade –wise)** | |
| | Mineral | **Limestone** |
| | Total Geological Resources(Reserve) | **2.79 million tonnes** |
| **5.** | **Mineralised Zones** | |
| | Number of mineral zones | One |
| | Trend(Dip and strike) | N25$^o$W-S25$^o$E dipping 48$^o$ to 60$^o$ north easterly |
| **6.** | **Grade** | CaO-46.63%, MgO - 1.44% & $Na_2O+K_2O$ - 0.65%<br>$SiO_2$ : $SiO_2$( R) -0.21%, $SiO_2$(NR) - 8.15% |
| | Mineral | Limestone |
| **7.** | **Accessibility** | |
| | Nearest Rail head | Kantabanji Railway station on the Raipur - Titlagarh section of East-Coast Railways (E Co. Rly) is the nearest rail head for the area located at a distance of about 40 km. |

| | | |
|---|---|---|
| | Road | Garramura is lying at a distance of 3 km west of Khariar and can be negotiated from Khariar by all-weather metal road connecting Khariar and Boden. |
| | Airport | Bhubaneswar |
| **8.** | **Hydrography** | |
| | Local Surface Drainage Pattern(Channels) | Devoid of streams and Nalas. |
| | River/Streams | Devoid of streams and Nalas. |
| **9.** | **Climate** | |
| | Mean Annual Rainfall | Average annual precipitation is about 1442 mm. |
| | Temperature(December) | Average - $7^0$ C. |
| | Temperature(June) | maximum temperature is $47^0$C during the month of May |
| **10.** | **Topography** | |
| | Toposheet Number | 64 L/11 and 64 L/15 |
| | Morphology of the area | Exhibit plain cultivated land |

**PART B- PARTICULARS OF STATUTORY LICENSES, PERMITS, PERMISSIONS, CONCESSIONS, APPROVALS AND CONSENTS RELATED TO MINING OPERATIONS**

| | **Particulars** | **Details/Status** |
|---|---|---|
| 1. | Forest clearance | To be obtained by the Successful Bidder |
| 2. | Wild life clearance(sanctuary, reserve or special zone clearances) | -do- |
| 3. | Environmental clearance | -do- |
| 4. | Consent to establish | -do- |
| 5. | Explosive clearance | -do- |
| 6. | Permission for mine opening | -do- |
| 7. | Permission of installation/trial operation of equipment | -do- |
| 8. | Ground water clearance(Centre/ State) | -do- |
| 9. | Railway siding approval | -do- |
| 10. | Approval for diesel storage | -do- |
| 11. | Power line from State Discom | -do- |
| 12. | Clearances relating to work under an existing transmission line or shifting of the transmission line | -do- |
| 13. | Grama Sabha consent | -do- |

## PARTC – PARTICULARS OF LAND

| | Area | Details |
|---|---|---|
| 1. | Total Concession Area | 30.256 Ha. |
| 2. | Forest land with Status | Nill |
| 3. | Government land with Status | 8.580 Ha ( Addi -0.118 Ha, Atta- 2.795 Ha, Attaunahari- 2.166 Ha, Bahal-0.211 Ha, Berna-1.454 Ha, Chatan- 0.967 Ha, Gochar- 0.031 Ha, Mala-0.310 Ha, Sarbasadharan jogya- 0.164 Ha, Unnat Jojana- 0.364 Ha |
| 4. | Private land with Status | 21.676 Ha |
| 5. | Revenue survey details of the area | Refer: Land Schedule |

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