**SUMMARY OF THE MINERAL BLOCK**

[To be made available on the website of e - auction platform]

**PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK**

| | **Features** | **Details** | |
|---|---|---|---|
| **1.** | **Location** | | |
| | Mineral Block | Khatkurbahal (North) Limestone block | |
| | Pillar Id | **Latitude (N)** | **Longitude (E)** |
| | 1 | 84°29'17.80499" | 22°17'09.68182" |
| | 2 | 84°29'18.22107" | 22°16'45.52754" |
| | 3 | 84°29'04.09209" | 22°16'45.31025" |
| | 4 | 84°29'04.10197" | 22°16'51.94136" |
| | 4-A | 84°28'54.83472" | 22°16'52.14610" |
| | 4-B | 84°28'44.02999" | 22°16'52.26651" |
| | 4-C | 84°28'34.10251" | 22°16'52.57086" |
| | 4-D | 84°28'22.81385" | 22°16'52.84076" |
| | 4-E | 84°28'11.13423" | 22°16'53.08282" |
| | 4-F | 84°27'59.48783" | 22°16'53.38925" |
| | 4-G | 84°27'46.60073" | 22°16'53.67602" |
| | 5 | 84°27'36.13496" | 22°16'53.70414" |
| | 6 | 84° 27' 36.927" | 22°16'55.45142" |
| | 7 | 84° 27' 36.939" | 22°17'09.70778" |
| | 8 | 84°28'03.96558" | 22°17'10.12835" |
| | 9 | 84°28'09.22410" | 22°17'08.58531" |
| | Village | Khatkurbahal | |
| | Tahasil/Taluka | Rajgangpur | |
| | District | Sundargarh | |
| | State | Odisha | |
| **2.** | **Area (Hectares/square km)** | | |
| | Total area | 156.012 Ha | |
| | Mineralised area | 127.496 Ha | |
| | Non-mineralised area | 28.516 Ha | |
| **3.** | **Exploration** | | |
| | Status (G2/G3/G4 etc.) | G 2 (General Exploration) | |
| | Exploration Agency | TATA IRON & STEEL Co. LTD., DG(O) | |
| | Total No. of BHs with meterage | 65 boreholes: 4560.92 m | |

| | | | | |
|---|---|---|---|---|
| | Borehole spacing (Density) | Both Vertical and angular drill holes in grid pattern of 150 m x 50 m, 41BHs / Sq km | | |
| 4. | **Quantity of Minerals (Grade wise)** | | | |
| | Mineral | | | |
| | Total Indicated Geological Resources | Cement Grade Limestone | 47.308 mt | |
| | | Blendable Grade Limestone | 1.803 mt | |
| | | Dolomitic | 74.63 mt (Dolomitic Limestone has been considered as Dolomite.) | |
| 5. | **Mineralised Zones** | | | |
| | Number of mineral zones | One | | |
| | Trend (Dip and strike) | N85°E – S85°W rocks with slight local variation and dip 55° to 65° northerly | | |
| 6. | **Grade** | **Ore type** | **CaO** | **MgO** |
| | | Cement grade Limestone(CGL) | 45.005 | 3.433 |
| | | Blendable grade limestone(BGL) | 36.679 | 3.671 |
| | | Dolomitic limestone(DL) | 35.067 | 8.270 |
| | | Dolomite | 28.515 | 18.897 |
| | Mineral | Limestone and dolomite | | |
| 7.. | **Accessibility** | | | |
| | Nearest Rail head | Rajgangpur | | |
| | Road | NH-23 | | |
| | Port | Paradip | | |
| 8. | **Hydrography** | | | |
| | Local Surface Drainage Pattern (Channels) | Jharia and Nakti nalas along with their tributaries control the overall drainage pattern of the area. They flow in north-easterly direction and finally join the Sankh River. | | |
| | River/Streams | Sankh | | |
| 9. | **Climate** | | | |
| | Mean Annual Rainfall | Average rainfall is 1500mm. | | |
| | Temperature (December) | $12^0$C | | |
| | Temperature (May) | $42^0$C | | |

| | | |
|---|---|---|
| **10.** | **Topography** | |
| | Topo Sheet Number | F45G7 (73B/7) |
| | Morphology of the area | The area is essentially a plain country with rolling morphology with isolated exposures of limestone & quartzite. |

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

| Sl. No. | Particulars | Details/Status |
|---|---|---|
| 1 | Forest Clearance | *To be obtained by the Successful bidder/not applicable/if available, State to provide details* |
| 2 | Wild life Clearance(Sanctuary, Reserve or Special Zone Clearances | -do- |
| 3 | Environmental Clearance | -do- |
| 4 | Consent to Establish | -do- |
| 5 | Explosive License | -do- |
| 6 | Permission for Mines opening | -do- |
| 7 | Permission of Installation, tiral operation of equipment | -do- |
| 8 | Ground water clearance (Centre/State) | -do- |
| 9 | Railway Siding approval | -do- |

| | | |
|---|---|---|
| 10 | Approval of Diesel storage | -do- |
| 11 | Power line from State Discom | -do- |
| 12 | Clearanc relating to work under an existing transmission line or shifting of the transmission line | -do- |
| 13 | Gramasabha consent | -do- |

| **PART C-PARTICULARS OF LAND** | | |
|---|---|---|
| **Sl. No.** | **Area** | **Details** |
| **1** | Total concession area | 156.012 hects |
| **2** | Forest land with status | Nil |
| **3** | Govt. land with status | 42.491 hects |
| **4** | Private land with status | 113.521 hects |
| **5** | Revenue survey details of the area | Refer: Land Schedule |