**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 | Pipalmunda Limestone Block | |
| | | **Latitude** | **Longitude** |
| | BP-1 | 20°22'41.76383" N | 82°53'48.97807" E |
| | BP-2 | 20°22'41.49516" N | 82°54'02.25903" E |
| | BP-3 | 20°22'33.11195" N | 82°54'17.11384" E |
| | BP-4 | 20°22'20.40057" N | 82°54'17.07334" E |
| | BP-5 | 20°22'20.39286" N | 82°53'49.02360" E |
| | Village | Pipalmunda | |
| | Tahasil/Taluka | Kantabanji | |
| | District | Balangir | |
| | State | Odisha | |
| **2.** | **Area(Hectares/square km)** | | |
| | Total area | 47.49 ha | |
| | Mineralised area | 13.27 ha | |
| | Non-mineralised area | 34.22 ha | |
| **3.** | **Exploration** | | |
| | Status (G2/G3/G4 etc.) | G 2 (General Exploration) | |
| | Exploration Agency | Directorate of Geology, Odisha | |
| | Total No. of BHs with meterage | 13 boreholes, 441 m | |
| | Borehole spacing (Density) | (100-200)m x 100m (18 BHs/sq km) | |
| **4.** | **Quantity of Minerals(Grade wise)** | | |
| | Mineral | Limestone | |
| | Total Indicated Geological Resource (up to a 50 m datum level) | High Grade (+40% CaO) | **3.176 mt** |
| | | Low grade (35 to 40% CaO) | 0.094 mt |
| **5.** | **Mineralised Zones** | | |
| | Number of mineral zones | 01(one) | |

| | | | |
|---|---|---|---|
| | Trend(Dip and strike) | N 20° W- S20° E dipping $30^{o}$ westerly. | |
| **6.** | **Grade** | High Grade<br>(+40% CaO) | CaO-49.60%<br>MgO-0.55%<br>$SiO_2$ -10.03%<br>Alkali – 0.02% |
| | | Low grade<br>(35 to 40% CaO) | CaO- 37.18%<br>MgO-0.36%<br>$SiO_2$ -26.25%<br>Total Alkali – 0.49% ($Na_2O$ + $K_2O$) |
| **7.** | **Accessibility** | | |
| | Nearest Rail head | Kantabanji Railway Station of East-Coast Railways is at 15 km from Pipalmunda. | |
| | Road | At a distance of 1.5 km from Dandara | |
| | Airport | Bhubaneswar. | |
| **8.** | **Hydrography** | | |
| | Local Surface Drainage Pattern (Channels) | Devoid of streams and Nalas. | |
| **9.** | **Climate** | | |
| | Mean Annual Rainfall | 1200 mm | |
| | Temperature (December) | $8^{0}$C | |
| | Temperature (May) | $50^{0}$C | |
| **10.** | **Topography** | | |
| | Topo Sheet Number | F44W15 (64 L/15) | |
| | Morphology of the area | The area of exploration represents a flat topography with the vast expanse of agricultural land with sporadic rock exposures. | |

**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 | 47.487 hects |
| **2** | Forest land with status | Nil |
| **3** | Govt. land with status | 2.311 hects |
| **4** | Private land with status | 45.176 hects |
| **5** | Revenue survey details of the area | Refer : Land Schedule |