



ANNEXURE - I

(e-Auction EABC-17/2024-25)

(Auction date for e-Auction for Ball Clay on 09.07.2024)

MATERIAL LIST

FOR THE SALE OF Ball Clay AT NLCIL'S MINE-I SITE: NEYVELI, TAMIL NADU

| Location | Description of Material | Quantity | Basis of Sale | Royalty & GST |
|---------------------|---|--------------|----------------|---|
| Mine-I Site Neyveli | Sale of Ball Clay on "as is where is and no complaint basis only" | 5,000 Tonnes | Rate per Tonne | Royalty/Seigniorage Fee Rs.100 per tonne, DMF @ 30 % on Royalty/Seigniorage Fee , Green Fund @10% on Royalty/Seigniorage Fee (for Intra-State Sale) OR Green Fund @50% on Royalty/Seigniorage Fee (for Inter-State Sale), GST on RCM basis @ 18% on Royalty/Seigniorage Fee, DMF & Green Fund, CGST @ 2.5%, SGST @ 2.5% |

| S.NO | CHEMICAL PROPERTIES | GENERAL RANGE (% by Mass) |
|------|---|---------------------------|
| 1 | Loss on ignition | 13.00 - 22.00 |
| 2 | Silica as SiO ₂ | 32.00 - 54.00 |
| 3 | Iron as Fe ₂ O ₃ | 0.30 - 2.00 |
| 4 | Alumina as Al ₂ O ₃ | 32.00 - 40.00 |
| 5 | Calcium as CaO | 1.00 - 3.00 |
| 6 | Magnesium as MgO | 1.50 - 3.00 |
| 7 | Titania as TiO ₂ | 0.75 - 1.50 |
| | PHYSICAL PROPERTIES | |
| 1 | Bulk Density (gm/cc) | 1.30 - 1.50 |
| 2 | Specific gravity | 2.00 - 2.50 |
| 3 | Liquid limit (%) | 50.00 - 65.00 |
| 4 | Plastic limit (%) | 34.00 - 37.00 |
| 5 | Atterberg No | 14.00 - 25.00 |
| 6 | Dry Linear shrinkage (%) | 7.00 - 8.50 |
| 7 | Water of Plasticity (%) | 12.00 - 32.00 |

The appx properties of the Ball Clay are given above. These properties may vary depending upon the Mining strata.