



MOIL sells following products through e-auction which is conducted by MSTC on behalf of MOIL:

**1) HIGH CARBON FERRO MANGANESE SPECIFICATIONS:**

|  |                                       |                    |                    |
|--|---------------------------------------|--------------------|--------------------|
| <b>Manganese</b>                             | <b>70-72%</b>                         | <b>64% (+/-1%)</b> | <b>63% (+/-1%)</b> |
| <b>Phosphorus</b>                            | 0.36% Max                             | 0.38% Max          | 0.38% Max          |
| <b>Carbon</b>                                | 7.5% Max                              | 6.8% Max           | 6.8% Max           |
| <b>Silicon</b>                               | 1.5% Max                              | 2.5% Max           | 3.6% Max           |
| <b>Sulphur</b>                               | 0.035% Max                            | 0.035% Max         | 0.035% Max         |
| <b>Size</b>                                  | 25-50 mm                              | 03-10 mm           | 00-03 mm           |
| <b>Basic price: F.O.R.<br/>BALAGHAT MINE</b> | Marketed through e-auction programme. |                    |                    |

**2) FERRO MANGANESE SLAG:**

|  |                                      |                               |    |
|--|--------------------------------------|-------------------------------|----|
| <b>CHEMICAL</b>                              |                                      | <b>PHYSICAL</b>               |    |
| <b>MnO</b>                                   | 36% Min                              | 10mm to 75 mm                 |    |
|  |                                      | Size Tolerance :<br>(+) 75 mm | 5% |
|  |                                      | Size Tolerance :<br>(-) 10 mm | 5% |
| <b>Basic price: F.O.R.<br/>BALAGHAT MINE</b> | Marketed through e-auction programme |                               |    |

**3) MANGANESE ORE OF DI-OXIDE GRADE:**

| <b>Ore Code</b> | <b>MnO<sub>2</sub>%</b> | <b>+75mm</b> | <b>+25mm</b> | <b>+10mm</b> | <b>+6mm</b> | <b>+3mm</b> | <b>-3mm</b> |
|-----------------|-------------------------|--------------|--------------|--------------|-------------|-------------|-------------|
| DB1121S         | 55-57.99                | 0            | 0            | 0            | 29          | 29          | 42          |
| DB1121M         | 55-57.99                | 0            | 0            | 60           | 23          | 10          | 7           |
| DB1121L         | 55-57.99                | 0            | 0            | 92           | 2           | 3           | 3           |
| DB1122S         | 58-59.99                | 0            | 0            | 0            | 29          | 29          | 42          |

|         |          |   |   |    |    |    |   |
|---------|----------|---|---|----|----|----|---|
| DB1123M | 60-61.99 | 0 | 0 | 60 | 23 | 10 | 7 |
| DB1124M | 62-63.99 | 0 | 0 | 60 | 23 | 10 | 7 |
| DB1126L | 66-67.99 | 0 | 0 | 92 | 2  | 3  | 3 |
| DB1127M | 68-69.99 | 0 | 0 | 60 | 23 | 10 | 7 |

**4) MANGANESE ORE OF OXIDE GRADE:**

| Ore Code | Mn%  | Ph%  | SiO2 | Fe% | +75mm | +25mm | +10mm | +6mm | +3mm | -3mm |
|----------|------|------|------|-----|-------|-------|-------|------|------|------|
| DB1110S  | 46.5 | 0.26 | 8-9  | 8-9 | 0     | 0     | 0     | 29   | 29   | 42   |