

Belkundi Iron and Manganese Mine is owned by The Orissa Minerals Development Company Ltd. (OMDC). The Mining Lease is spread over 1276.790 ha in Barbil Tehsil of Keonjhar District of Odisha. The mine is closed since 2010 for want of Forestry and Environmental Clearances. The lease renewal application for 20 years (16.08.2006 to 15.08.2026) has been submitted on 12.08.2005.

The salient features of the project include:

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| Proposal | Resumption of iron ore mining @ 1.8 Mt/yr and manganese ore mining @ 0.3 Mt/yr from existing open cast mine without increase in ML area of 1276.790 ha |
| Location of Mine | Villages: Belkundi, Nalda, Karakolha, Kharkendra, Uliburu & Barbil, Uliburu Reserve Forest and Khesra Forest (Barbil Range of Keonjhar Forest Division). Tehsil – Barbil, Dist – Keonjhar, Odisha |
| Latitude | 22°07'41.61" N to 22°09'45.31" N |
| Longitude | 85°23'03.45" E to 85°26'05.60" E |
| Land Use | 35.11% Forest Land, 26.59% Non-forest Govt. Land, 38.30% Private land |
| Total Mineable Reserves | 20 million tonnes (Mt) of iron ore 12.26 Mt of Manganese Ore |
| Life of Mine | 11 Years for iron ore section. 41 years for manganese ore section |
| Method of Mining | Semi Mechanized Open cast mining by conventional shovel dumper combination |
| Quarries | 2 quarries in iron ore section, 5 quarries in manganese ore section to be worked simultaneously. Quarry benches 6 m high & 10 m wide. |
| Stripping Ratio (t:m³) | Iron Ore - 1:0.1839; Manganese Ore – 1:1.5 |
| Waste disposal | During 1 st 5 years external dumping. From 6 th year onwards OB will be used for backfilling. Accumulated wastes will be re-handled and used for backfilling and repair of roads. Sub-grade ores will be either stacked externally for future use. |
| Mineral Processing | Crushing and screening by mobile in-pit crushers in case of iron ore. Manual breaking, sorting, sizing and blending in case of manganese ore. |
| Mineral Transport | By 35 t & 10 t dumpers to nearby railway siding in Thakurani lease |
| Number of working days | 300 days, 3 shifts per day |
| Fuel Consumption | Existing – Nil; Proposed: 1130 kl/yr |
| Explosive Consumption | Existing – Nil; Proposed: 470 t/yr (@ 8 t of iron ore per kg of explosives and 10 t of manganese ore per kg of explosives) |
| Water Demand | 199 m ³ /day (inclusive of 76 m ³ /day potable water) |
| Source of water | River Karo |
| Man Power | 755 (15 officers & supervisors + 15 highly skilled workers + 222 skilled workers + 281 semiskilled workers + 222 unskilled workers) |
| Electricity Demand | Existing – Nil; Proposed: 860 kW for illumination, operation of electric shovels, operation of weighbridge, surveillance system & water pumps |
| Infrastructure | Mine office, first aid centre has to be refurbished. Rest shelters have to be constructed. Workshop, stores, railway siding, township & amenities common with other leases of OMDC located in the area. |
| Proposed Investment | Rs. 121.08 Crores. |
| Production Cost | ~ Rs.1200 per tonne at rated capacity (iron ore) ~ Rs.1636 per tonne at rated capacity (manganese ore) |
| CSR Budget | Total Rs. 89 lakhs for year 2014 – 15 for OMDC's mines in Joda – Barbil Area (Bagiaboru, Belkundi, Dalki, Thakurani, Bhdrasahi & Kolho Roaida) |