

Haiger, May 2023.

Cold start-up for the supply of 5 shaft hoisting systems for 2 mines of India-based end customer MOIL Limited starts at SIEMAG TECBERG headquarters

SIEMAG TECBERG group is pleased to announce that the extensive delivery order to the Indian end customer MOIL Limited will start among other things with the cold commissioning of hoisting machines at the group's headquarters in Haiger, Germany. For this purpose, 2 shaft hoisting machines intended for production shafts are set up on one of the test fields at TECBERG park for factory acceptance tests. The delivery of the systems is planned for this year.

THE END CUSTOMER

MOIL Limited was originally incorporated as Manganese Ore (India) Limited in the year 1962. Subsequently, name of the Company was changed from Manganese Ore (India) Limited to MOIL Limited during the financial year 2010-11. At present the shareholding pattern of the company is Govt. of India (53.35%), Govt. of Maharashtra (5.96%) and Govt. of Madhya Pradesh (5.38%) and Public (35.31%).

MOIL fulfils about 50% of the total requirement of dioxide ore in India. At present, the annual production is around 1.1 million tonne which is expected to grow in the coming years. Reserves and resources of Manganese ore amount to 94.94 million tonnes. The company produces and sells different grades of Manganese Ore:

- High Grade Ores for production of Ferro manganese
- Medium grade ore for production of Silico manganese
- Blast furnace grade ore required for production of hot metal and
- Dioxide for dry battery cells and chemical industries

THE MINES

At present, MOIL operates 11 mines, seven located in the Nagpur and Bhandara districts of Maharashtra and four in the Balaghat district of Madhya Pradesh. All these mines are about a century old. Except 4, the rest of the mines are worked through underground method. The Balaghat Mine is the largest mine of the Company. The mine currently operates at a mining depth of 450 m, which according to plans is to be expanded to 700 m. The Gumgaon mine currently operates at a mining depth of 185 m, which is to be expanded to 700 m in the future.

THE PROJECT

In line with growing opportunities and demand for products, MOIL is increasing investments to develop existing mines, acquires new mines within and outside the country and completes the acquisition of areas adjoining the mines to set up diversified projects. To fulfil these objectives, MOIL is undertaking projects for deepening of the vertical shaft, shaft sinking and replacements of fixed assets.

To support these goals efficiently, SIEMAG TECBERG group provides OEM-shaft hoisting technology for MOIL's Balaghat and Gumgaon mines to replace existing equipment.

Scope of supply

The current contract requires SIEMAG TECBERG group to undertake the engineering, production, delivery, supervision of assembly and commissioning of the following equipment:

OEM-hoisting technology for the production shaft (manganese ore / rock) at Balaghat mine

- Set 1 hoisting system consists of a skip/skip system with a floor-mounted 4-rope Koepe winder with Ø 2.8 m driven by 1.000 kW motor capacity , including a type SB 1 hydraulic braking system and automation and signalling technology
- Set 2 hoisting system consists of a skip/counterweight system with a floor-mounted 4-rope Koepe winder with Ø 2.25 m driven by 355 kW motor capacity, including a type SB 1 hydraulic braking system and automation and signalling technology

OEM-hoisting technology for the service shaft at Balaghat mine

- The hoisting system consists of a cage/counterweight system with a floor-mounted 4-rope Koepe winder with Ø 2,8 m driven by 450 kW motor capacity, including a type SB 1 hydraulic braking system and automation and signalling technology

OEM-hoisting technology for the production shaft (manganese ore) at Gumgaon mine

- The hoisting system consists of a skip/skip system with a floor-mounted 4-rope Koepe winder with Ø

2.25 m driven by 355 kW motor capacity, including a type SB 1 hydraulic braking system and automation and signalling technology

OEM-hoisting technology for the service shaft (man-riding) at Gumgaon mine

- The hoisting system consists of a cage/counterweight system with a floor-mounted 4-rope Koepe winder with Ø 2.8 m driven by 450 kW motor capacity, including a type SB 1 hydraulic braking system and automation and signalling technology

BACKGROUND INFORMATION

India's mining industry from around 2015 and especially since 2020 is characterised by the politically desired opening of the mining sector. The aim of this privatisation-friendly policy is to provide longer mining leases (20-30 years) and greater transparency in the allocation of mining concessions. The Indian mining equipment market is highly competitive. Most major international equipment suppliers are present on the Indian subcontinent. According to valid estimates, machines specifically for underground mining account for about 5 to 7 percent of the total sales volume. Imports from Germany alone doubled compared to the weak year 2019 to US\$ 35 million, ranking third behind imports from China and Malaysia.

The Company

The SIEMAG TECBERG Group supports its customers in the commodity markets and transport infrastructure with energy-efficient and intelligent hoisting technology as a world's leading supplier in this field.

Whether in the extraction of precious metal and industrial metal ores to supply green technologies with the necessary natural resources, or in the extraction of mineral salts for the production of mineral fertilisers - SIEMAG TECBERG Group's system-integrative overall solutions always convince with excellent engineering know-how, extensive system tests of the equipment with factory commissioning on heavy-duty test fields and digital service concepts including condition monitoring and service management.

The technical focus of the SIEMAG TECBERG group is on the development, design, manufacture, commissioning and technical service of shaft hoisting systems for the vertical and inclined conveying of raw materials. In doing so, the SIEMAG TECBERG group has distinct engineering competences for mechanics, hydraulics, drive and automation technology. Unique reference projects worldwide demonstrate the overall plant competence and leading position of the SIEMAG TECBERG group. The group offers knowledge-based services for the supply of customized machinery and equipment for the following industrial applications:

Hoisting and conveying technology

- OEM Shaft Hoisting Technology for Underground Mines and -Waste Deposits
- OEM Material Handling Technology
- Systems Integration Automation and Drive Technology

Cooling

- Cooling and Ventilation Technology for Underground Mines, Waste Deposits and special Tunnels
- Systems Integration Controls and Automation

The niche specialist's technology emerged from a forge founded in 1871 in Siegerland, which produced equipment for local ore mining and the iron and steel industry in the German-South Westphalian Siegerland region. Following a management buy-out out of the SIEMAG-Weiss-SMS network 2007, SIEMAG TECBERG was founded by Jürgen Peschke, who is CEO and Controlling Shareholder of the SIEMAG TECBERG group.

The SIEMAG TECBERG Group is represented on all continents by at least one subsidiary and works together with cooperation partners worldwide. In addition to the headquarters with the assembly plant in Haiger (Germany) north of Frankfurt am Main, other locations are situated in Rugby (UK), Katowice (Poland) and Moscow, Norilsk, Berezniki and Belgorod (Russia).

Further sites with own assembly plants are located in Tianjin (China), Sydney and Mayfield East (Australia), Johannesburg (South Africa) and Milwaukee/Denver (USA). The group employs about 405 people worldwide.

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