

Hindustan Copper Limited

Expression of Interest (EoI)

Ref. No. HCL/HO/M&C/EXPLOSIVE/MCP/2018-19/1

21.02.2019

Sub.: Expression of Interest (EoI) for setting up a Plant for supply of Bulk Explosives at MCP for its underground mining operations.

Hindustan Copper Limited (HCL) is a Government of India Enterprise under the administrative control of Ministry of Mines, Government of India incorporated on 9th November 1967, under the companies Act 1956. HCL is country's only integrated producer of refined copper from indigenous sources i.e. from mining, ore beneficiation, smelting, refining and casting of refined copper metal into downstream products.

Presently HCL has five operating units across the country of which one of the important mining unit situated in State of Madhya Pradesh known as Malanjkhand Copper Project (MCP). It is located 90 km north-east of Balaghat District of Madhya Pradesh in Central India and is about 300 km north-east of Nagpur. The nearest airport is at Raipur at about 175 m from MCP.

Malanjkhand open pit is at the fag end of its life. MCP open pit will have its final pit bottom at 340 mRL at the North and Central part and 390 mRL at the southern end. For conversion of underground mine below open pit, sinking of Production Shaft and Service Shaft is already completed and sinking of North Ventilation Shaft, South Ventilation Shaft, development of North Decline and South Decline and other level developments are in progress through a contractual agency to make the mine ready for stoping upto 15 mRL to produce 5 million tonne of ore per year.

For production from under construction underground mine at MCP and thereafter, HCL intends to introduce Underground Bulk System (UBS) to HCL for their Underground Operations at MCP with a long term prospective for mutually beneficial & technically feasible arrangement. For the same, HCL will indicate year wise estimated requirement of U/G Bulk Explosives for various blasting applications.

The emulsion based product formulation shall be preferably used suiting to the rock conditions of the underground operations and shall primarily depend upon the Ground Reactivity of the rock/ore. For which HCL shall provide various rock samples representing different types of rocks/ore body likely to be encountered during its underground operation for carrying out the testing of ground reactivity and propose suitable explosive matrix for optimum fragmentation.

The Underground blasting operation requires transportation and loading of explosives in blast holes at various angles, requiring suitably formulated products especially for vertically upward holes / vertically angular holes. The products formulation will cling to the vertically upward holes once charge into it.

In consideration to above, it is proposed to offer suitable trailer arrangement for transportation to site and products having 'Sticky' formulation - which will work for all application. This shall be suitable for uphole and development blasting operations with a flexibility of density variation suiting to the blasting conditions.

Licenses:

- Support Plant: The prospective bidder shall have to obtain all licenses for its Emulsion Manufacturing Support Plant at Malanjkhanda.
- MCU (Mobile Charging Unit): The prospective bidder shall be required to obtain license for MCU unit from Petroleum and Explosives Safety Organisation (PESO) and also hold license for manufacturing and delivery of explosives to underground through MCU.
- Underground Storage: HCL shall obtain license for underground storage facility.

Blasting Accessories: HCL shall procure blasting accessories such as Primers / Boosters, Electronic Delay detonators, Shock tubes / Nonels, etc. as per requirement.

HCL is desirous of introduction of Underground Bulk System (UBS) to HCL for their Underground Operations at MCP with a long term prospective for mutually beneficial & technically feasible arrangement with explosive manufacturers.

Interested parties should indicate the following in their EoI for establishing their credential:

1. Financial capability for taking up the job,
2. Technical experience during last 10 years giving details of Site Mixed Explosive (SME) plants along with capacity, name of the client and product details etc.
3. Proposed Business Plan with HCL with time frame.

The prospective bidders based upon submission of their offer against the EoI, will be required to make presentation of credentials, which will be followed by further techno-commercial discussion for which the date shall be informed in advance.

Your EoI should be submitted on or before 13.03.2019 up to 3.00 pm by providing above details either by soft copy in email or hard copy in the address mentioned below.

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