



सीएसआईआर - राष्ट्रीय धातुकर्म प्रयोगशाला
CSIR - NATIONAL METALLURGICAL LABORATORY
(Council of Scientific & Industrial Research)

Burmamines, Jamshedpur - 831 007
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12.12.2025

CORRIGENDUM

Tender Reference No. :- PUR/399/KH/DB/EQM/2025-26

Tender ID :- 2025_CSIR_256231_1

**Item Name :- Supply, Installation & Commissioning of
Dense Media Cyclone (DMC) test Rig**

NOTE: The Bids must be submitted in the Central Public Procurement Portal (URL:<https://etenders.gov.in/eprocure/app>) only. Manual/Offline bids shall not be accepted under any circumstances. Bidders should quote in INR only.

Consequent to the Pre-Bid Meeting held on 28.11.2025, the revised technical specifications are attached in Annexure-A.

The bidders are requested to submit their bid based on this revised technical specifications as per Annexure-A.

All other terms and conditions shall remain same.

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Stores & Purchase Officer,
CSIR-NML, Jamshedpur



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ANNEXURE-A

Technical Specifications of Dense Media Cyclone Test Rig

S. No.	Description	Specifications	Unit
1	Dense Media Cyclone (DMC) Material of Construction: (i) Mild Steel Fabricated or (ii) Cast Iron, Nickel Hardened or (iii) Cast 27% Chrome Inside liners: Ceramic lining, Mild steel lining, Rubber lining, Alumina tile lined, etc.	Diameter: 100 – 300 mm Capacity: 0.5 TPH to 2 TPH (dry solid) Feed pressure: 9D to 10D (i.e. 9 to 10 times Diameter) Media to Coal/Ore Ratio: Minimum - 4:1	1 Each
2	Feed Pump	With Motor and Variable Frequency Drive (VFD) Pump specifications: (i) Feed particle size (allowable): 0.5 mm to 15 mm (ii) Flowrate: 30 m ³ /hr to 60 m ³ /hr (iii) Head: 10 m to 27 m (iv) Should be able to transport the slurry (Coal/Ore Solids, Water and Magnetite) (v) Slurry Media Specific Gravity: 1.30 to 1.80	1 Each
3	Feed Tank (Volume)	Minimum: 1 Cubic meters (m ³) Plateworks: Mild steel (MS) Tank	1 Each
4	Pressure Gauge	Range: 0 to 1 MPa or higher (in Steps) (Reputed make with Test certificate)	1 Each



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5	DMC test rig support	Mild steel (MS) Fabrication	1 Each
6	Structure for DMC test rig	Mild steel (MS) Fabrication	1 Lot
7	Piping's for test rig within battery limits (Feeding to Media Recovery)	Mild steel (MS) Pipes	1 Lot
8	In-line magnetic separator setup for recovery of media with Diameter: Minimum – 400 mm, Length: Minimum - 500 mm and Gauss value: Min – 850; Max – 1300.		
9	Training: On-site training to be provided for minimum 07 days for atleast 04 numbers of operating staffs at CSIR-NML premises.		
10	Comprehensive Warranty for three (03) years. Two (02) years Annual Maintenance Contract (AMC) after completion of warranty period.		
11	AMC after completion of warranty: 02 years non-comprehensive basis (1 st and 2 nd year) which includes 02 nos./year of preventive maintenance and 02 nos./year breakdown maintenance. AMC charges to be included for price comparison.		
12	The vendor should provide pre-installation requirement details such as floor plan, size area, electrical requirements, water connections, etc. immediately after the placement of the order and the installation site should be surveyed physically well in advance by the vendor/supplier to check its suitability before supply.		
13	Installation and commissioning has to be done by the vendor at NML premises.		
14	Design, Engineering and General Arrangement (GA) drawing of the Dense media cyclone cluster assembly must be submitted along with the tender.		

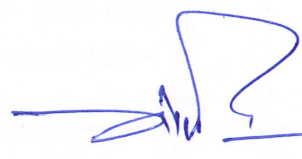


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15	The vendor/supplier should be an authorized sales and service provider of the same Original Equipment Manufacturer (OEM) for at least three (03) years or more in India with a proven track record. If the vendor is not an OEM, authorization certificate from the OEM must be provided.
16	Installation Certificate and Purchase Order (PO) must be provided for atleast one (01) installations/supply of similar or higher model of Dense Media Cyclone test rig by the vendor in the past five (05) years.
17	The supplier should provide operation manual and maintenance manual.
18	The supplier must provide a compliance sheet with the tendered technical specifications along with supporting documents.
19	All necessary accessories and consumables to be provided with the equipment by the vendor for smooth functioning of the equipment for atleast three (03) years.


12.12.20

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