PUNJAB ENGINEERING COLLEGE

(Deemed to be University), Sector 12, Chandigarh - 160012

ADDITIONAL TERMS & CONDITIONS (ATC)

GeM Bid — Wet High Intensity Magnetic Separator

Department: Metallurgical & Materials Engineering

Quantity Required: 1 (One) Unit

Annexure A

Vice Chancellor,

Punjab Engineering College (Deemed to be University), Sector 12, Chandigarh-160012

Sir,

Subject: Undertaking for the participation in the bid No. _____

Dear Sir,

I/We ..... do hereby submit the above bid in prescribed formats duly completed in all respects in accordance with the conditions applicable. If this bid is accepted, I/We agree to abide by and fulfill all the terms and conditions in the bid documents.

I/We hereby distinctly and expressly declare and acknowledge that before the submission of this bid, I/We have carefully followed the instructions and I/We have understood the existing system of supply at the location(s) of purchaser including the scope and nature of duties expected from the Bidder.

I/We distinctly agree that I/We would hereafter make no claim or demand upon the purchaser based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.

I/We declare that our unit has never made any default in supplying the Wet High Intensity Magnetic Separator/equipment to Government/Semi Government/Central or State Public sector enterprise(s) in terms of quality and financial agreed supply conditions.

I/We fully understand the terms and conditions in the bid documents.

I/We understand that the purchaser is not bound to accept any proposal that it may receive without assigning any reason.

Dated this.....day of 2026

Authorized Signatory

Seal:

Annexure B

Acceptance of Technical Specifications for the supply of Wet High Intensity Magnetic Separator

— Department of Metallurgical & Materials Engineering

FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID

1. Bid Ref. No: .....
2. Name of Bidder: .....
3. Complete office address of Bidder: .....
4. Confirmation of acceptance of Technical Specifications for the supply of Wet High Intensity Magnetic Separator with the following specifications. Bidders need to explicitly mention, deviations if any.

Technical Specification for Wet High Intensity Magnetic Separator (WHIMS)

Sr. No	Parameter	Required Specification
1	Equipment	Laboratory-scale Wet High Intensity Magnetic Separator
2	Purpose	Separation of gangue from minerals, ores, metallurgical residues
3	Magnetic Field Intensity and Field measurement	Variable from 0.05 to 2.0 Tesla with better digital display
4	Magnetic Field at Air Gap	Magnetic field of 2 Tesla shall be achievable at clearly defined pole/ matrix gap of 2mm under loading and non- loading conditions .
5	Field Intensity Control	Magnetic field shall be continuously variable from ≤ 500 Gauss to ≥ 20000 Gauss with digital setting and indication.
6	Electromagnetic System	Electromagnetic coils capable of generating and varying the required magnetic field
8	Maximum DC Voltage and current	Electromagnet power supply suitable rated for continuous operations at maximum specified magnetic field and stable current supplied to provide suitable V,I and power
10	Feed Size	Feed particle size 20µm to 1mm.
11	Feed Type	Aqueous ore slurry
12	Slurry Concentration and Flow rate	Adjustable approx. 10-30 wt% solids or as recommended by the manufacturer with controlled water/ slurry flow. Adjustable slurry feed flow rate of approx. 0.5–5 L/min, with a variable-speed feed pump and flow-control arrangement.
13	Sample Capacity	Approximately 50–100 g ore per test
14	Matrix Types	Equipment will be supplied with alteast 4 interchangable matrix configuration including Rod matrix, wool matrix, ball matrix and grooved matrix suitable for lab scale mineral separation.
15	Canister Assembly	Canister shall be removable without dismantling the electromagnet and replacement of different matrix assemblies
16	Typical Test Duration	Equipment shall be capable of continuous operations for a minimum of 4 hours without overheating or performance degradation.
17	Control Panel	Independent electrical control panel with necessary controls, indicators and protection
18	Power Supply	415 V, 3-phase, AC, 50 Hz, with suitable MCB, neutral and earthing, various protection of short circuit
19	Machine Dimensions	Compact laboratory design to be specified by the bidder
20	Construction	Construction should be resistant to water, mineral slurries, mildly acidic/alkaline conditions for wet mineral processing
21	Feed/Water Arrangement	(i)Slurry Pump: Corrosion and abrasion resistant laboratory slurry pump, suitable for 20µm to 1 mm mineral slurry and up to 10- 30 wt.% solids, with variable flow rate of 0.5–5 L/min. (ii) Feed Hopper: Corrosion resistant hopper with conical/sloping bottom, and suitable outlet for uniform slurry feeding. (iii) Agitation Arrangement: Variable-speed mechanical agitator (50–300 rpm) with paddle/propeller arrangement for continuous suspension of dense particles and prevention of settling during feeding.
22	Drainage/Product Collection	Separatecollection for magnetic and non-magnetic products, easily removable collection vessels.
Additional Requirement		
1	Accessories	Matrix such as wool, rod, ball and groved matrix shall be supplied along with the equipment
2	Installation	Complete installation, commissioning and demonstration at site
3	Safety Features	Suitable electrical protection, overload protection, emergency stop and proper earthing
4	Documentation	Operation manual, electrical circuit diagram, calibration certificate and test/inspection certificate
5	Warranty	Minimum 1year comprehensive warranty from date of installation and commissioning

5 PAN of bidder (self-attested copy to be enclosed): ……..

6. GST registration number of bidder (self-attested copy to be enclosed):
……

7. Details of address with contact details from where the bidder plans to offer After Sales Services during the Warranty & after warranty Maintenance period: .....

Authorized Signatory

Seal:

Annexure C

Make-In-India Certificate: The Bidder is required to submit the Make in India Certificate issued by the OEM of the product.

Make in India Certificate

In line with Government Public Procurement (Preference to Make in India), Order 2017, P-45021/2/2017-PP (BE-II) dated 16.09.2020 and subsequent clarification No P-45021/102/2019-BE-II-Part(1) (E-50310) dated 04.03.2021, we hereby certify that we M/s _____ are local supplier meeting the requirement of minimum local content _____ (in %) as defined in above order for the material against Bid No. _____.

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law. The above declaration does not include services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

(Seal & Signatures)

Annexure D

Declaration of not being Black Listed as per the specimen on Company letter head

Declaration

I/We/M/s _____ registered Company/Ltd. Company etc. as per Registration No. _____ Certificate No. _____ issued by _____ having registered office at _____ and manufacturing/supply base at _____ do hereby declare and solemnly affirm that I/We have not been Black-listed, nor mine/our Bids have ever been cancelled by any State/UT/Central Government or any partner or shareholder either directly or indirectly connected with or has any subsisting interest in the business of my/our firm nor any legal proceedings have ever been initiated/pending or any penalty has ever been levied due to delay of non-completion of work/service/supply order by any State/UT/Central Government or by any authority.

Place:

Dated: **AUTHORIZED SIGNATORY**

Note: The affidavit should be issued after publication of bid duly attested through Notary/Magistrate