



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD
DHANBAD, JHARKHAND, INDIA, PIN-826004

(An Institute of National Importance under Ministry of H.R.D., Govt. of India)

STORES & PURCHASE SECTION Phone:(0326) 2235678 || Email : purchase@iitism.ac.in || Website : www.iitism.ac.in

No. CR-INS-175-23-24

Date: 28 February 2024

Request for Quotation

To,

Subject: Supply & Installation of Load lock attachment with vacuum quite mode upgrade kit for the existing Zeiss Sigma 300 FESEM, Energy Dispersive spectroscopy (EDS) detector attachment for the existing Zeiss Sigma 300 FESEM, Backscattered Electron (BSE) detector attachment for the existing Zeiss Sigma 300 FESEM

Sirs

Indian Institute of technology (Indian School of Mines), Dhanbad is interested for the purchase of the materials/ equipment listed below:

Sl.No.	Detailed Specifications	Quantity
1	Supply & Installation of 1) Load lock attachment with vacuum quite mode upgrade kit for the existing Zeiss Sigma 300 FESEM (Specification in Annexure –III)	01 No
2	2) Energy Dispersive spectroscopy (EDS) detector attachment for the existing Zeiss Sigma 300 FESEM (Specification in Annexure –III)	01 No
3	3) Backscattered Electron (BSE) detector attachment for the existing Zeiss Sigma 300 FESEM (Specification in Annexure –III)	01 No

INSTRUCTIONS:

- 1) Please attach relevant technical literature of the item.
- 2) Please fill the attached form 01 regarding class of supplier.
- 3) Please mention warranty/ guarantee period in your offer. Equipment/ material supplied must have minimum warranty/ guarantee of **24 months** from the date of successful installation.
- 4) Please attached authorization certificate from OEM.
- 5) Please mention after sales service information in your offer.
- 6) ***Please attach a certificate that the quoted price is not more than that of any other Govt. organization/ institution in India. This has to be mentioned in the offer letter clearly.***
- 7) The rates should be quoted for each item separately as per price schedule attached as annexure I (A) & (B). The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However, the CIF/CIP prices quoted by any foreign bidder shall be loaded further as under:
-Towards customs duty, IGST and other statutory levis, custom clearance, inland transportation, currency fluctuation etc. – 30% of the CIF/CIP value. -Duties & taxes, if applicable, are to be shown separately clarifying whether those are extra or included in the price. Price bids of only technically qualified tenderers shall be opened in their presence on a pre-notified date and time.
- 8) The items/ materials shall be required to be delivered at CRF Department of IIT (ISM) Dhanbad at the risk and cost of the tenderer.
- 9) Your tender must be **valid for minimum 120 days** from the date of opening of tender.
- 10) The stores are required to be delivered within 30 days, late delivery may not be accepted.
- 11) Full details of stores offered should be given in the tender along with supporting & relevant literatures/ Technical Literature.
- 12) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 13) ***Advance payment is not admissible.*** Payment shall normally be made within 3-4 weeks subject to receipt and acceptance & installation (as per Purchase Order Terms) of the ordered materials/items.



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- 14) In the event of the supplier failed to supply the materials or install the same as contractual condition, IIT (ISM) Dhanbad shall have the right to deploy suitable agency/ third party to get the job completed at the risk and cost of the supplier.
- 15) Tender may please be submitted *in sealed cover only superscribed with Enquiry No. CR-INS-175-23-24 latest by 06.03.2024.*
- 16) The offer must be submitted in the office of Deputy Registrar (Purchase & Stores), IIT (ISM), Dhanbad–826004 (Jharkhand, India) only. Please send your offer by Regd.Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM) Dhanbad working hours only (i.e. Monday to Friday). At any circumstances by hand delivery is not acceptable. Late or delayed tenders shall be summarily rejected. Bids sent through Email/Fax or submitted in unsealed cover(s) will not be accepted and such bids will be treated as non-responsive bids.
- 17) **Performance Bank Guarantee:** A bank guarantee issued by a Nationalized Bank in India towards PBG for an amount equal to 10% of total value of purchase order and valid till the period beyond two months of completion of warranty period should be submitted in favour of **Registrar, IIT (ISM) Dhanbad.**
- 18) Any other information that you may like to obtain, you are free to contact IIT (ISM) Dhanbad before submission of tender.
- 19) IIT (ISM) Dhanbad reserves the right to accept and/or to reject any/all tenders without assigning any reason.
- 20) **Payment:** will be made within 30 days after satisfactory supply, inspection, installation/commissioning/ satisfactory services & acceptance and on submission of pre-receipted tax invoice, delivery challan, warranty certificate and installation report in triplicate
- 21) **Please attach purchase order copies of the same equipment which you have supplied to any other Govt., public sector and autonomous institutions.**
- 22) a) **In a tender, either the Indian agent on behalf of the principle/ OEM and the Principle/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.**
b) **If an agent submit bid on behalf of the principle/ OEM, the same agent shall not submit a bid on behalf of another principle/ OEM in the same tender for the same item/product.**

Deputy Registrar
(Purchase & Store)



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Annexure –I(A)

1. PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA

Name of the Bidder _____

NIT Reference No. _____

File Reference No. _____

Sl. No.	Full Description of items with (HSN Code/SAC Code)	Quantity	Unit Price (in INR)	Total Amount (in INR)
1.				
2.				
3.				
Ex-Works Price-				
Packing & Forwarding				
Transportation				
GST/IGST (as applicable%)				
Insurance up to Destination/handover (in case of fabrication)				
Installation & Commissioning charge				
Training charges, if any				
FOR (IIT ISM) Dhanbad				
Additional Warranty Charges, if any				
Annual Maintenance Charge, if any				

*(On the basis of the technical specifications submitted)

Total Bid Price _____

in words _____

Note :

(a) The Price schedule of optional items shall be indicated in a separate sheet in the same Performa.

(b) Cost spare parts may be indicated separately

Signature of Bidder

Name _____

Business

Address _____



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Annexure –I(B)

2. PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD

Name of the Bidder _____

NIT Reference No. _____

File Reference No. _____

Sl. No.	Description/Part No./Make Model	Quantity	Unit Price (in foreign currency)	Total Amount (in foreign currency)
1.				
2.				
3.				
Total Ex-Works Price-				
Packing & Forwarding and inland freight				
*FCA (at port)				
Terminal charges, loading on vassal				
**FOB (name of port)				
Air freight & insurance up to destination port				
*CIF				
Carrier charges & insurance up to final destination				
**CIP				
Concessional Custom Duty (Against DSIR Certificate)				
IGST rate (Against IIT (ISM) Certificate)				
Other Duties taxes/clearance charge, if any				
Transportation charges up to IIT ISM Dhanbad				
Chargeable weight/Gross weight of consignment				
Indian agency Commission (%)				
Installation & Commissioning charge				
Training charges, if any				
Additional Warranty Charges, if any				
Annual Maintenance Charge, if any				
Educational discounts, if any				

*&** Mandatory requirement

Total Bid Price _____ in words _____

Note :

Total Bid price in foreign currency _____ in words

(a) Indian agent name & address _____

(b) Installation, commissioning & training charges, if any _____

(c) Please note that Indian agents' commission shall be paid in Indian Rupees only.

(d) Banker's details such as- Name of account holder, Account Number, Name of Bank, Branch code, RTGS code, NEFT code, SWIFT code etc.

(f) Price schedule of optional items shall be indicated in a separate sheet in the same performa.

(g) Quoting Price for FOB/FCA and for CIF/CIP basis, otherwise bid will be rejected.

(h) Wherever the price quoted on FOB/FCA and CIF/CIP basis are the same, the contract would be made on CIF/CIP basis only.

(i) Country of Origin Dimension and Gross Weight must be provided.

Signature of Bidder

Name _____

Business Address _____



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Annexure – II(A)

Declaration by bidder

(Please specify Class of Supplier and Local Content percentage)

In accordance and manner as specified in Order No. P45021/2/2017-PP (BE-II) dated : 04th June 2020 issued by DIPP, Ministry of Commerce and Industries, Gol.

To,

The Registrar,

Indian Institute of Technology (Indian School of Mines)

Dhanbad -826004

Respected Sir,

In accordance with the order No. P-45021/2/2017-PP (BE-II) dated 04th June, 2020, I hereby declare that

i) I am aware about all provision mentioned in GeM Bid No.as well as order No. P-45021/2/2017-PP (BE-II) dated 04th June, 2020 and abides by the same.

ii) I declare that for this tender, I am a Class-I local supplier / Class-II local supplier / Non-local supplier (Strike out whichever is not applicable) and classification is based on local content of goods/services/work offered by bidder in this tender.

iii) **Local content (in percentage) in offered good/services/work is: _____%**

Whereas 'Local Content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

iv) The local content for all inputs which constitute the said goods/services/works has been verified and bidder is responsible for the correctness of the claims made therein.

v) Details of items, amount and location(s) at which the local value addition is made:

Sl. No.	ITEM (S)	AMOUNT	LOCATION(S)
1.			
2.			
3.			
4.			
5.			
6.			
7.			

Date:

Signature:

Name of Authorized Signatory:

Name of Bidder:

Seal of Bidder:



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ANNEXURE-II(B)

SELF-CERTIFIED DECLARATIONS FOR TAKING PART IN TENDER

a. Regarding blacklisting / debarring

b. Insolvency

1. I / We _____ (Tenderer) hereby declare that the firm / agency / Company, namely M/s _____ has not been declared as **insolvent**.

AND

2. I / We _____ (Tenderer) hereby declare that the firm / agency / Company, namely M/s _____ has not been **blacklisted or debarred** in the past by Union / State Government or Organization from taking part in Government tenders in India.

OR

2. I / We _____ (Tenderer) hereby declare that the Firm/Agency/Company, namely M/s _____ was **blacklisted or debarred** by Union/ State Government or any Organization from taking part in Government tenders for a period of _____ years w.e.f. _____ to _____. The period is expired and now the Firm/Agency/Company is entitled to take part in Government tenders.

In case the above information is found to be false I / We are fully aware that the tender/contract will be rejected / cancelled by Director, IIT(ISM) Dhanbad, and EMD shall be forfeited.

In addition to the above the Director, IIT(ISM) Dhanbad will not be responsible to pay the bills for any completed/partially completed work.

Date:

Place:

Self Certification: _____

Name: _____

Address: _____

Stamp:



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Annexure- II(C)

UNDERTAKING

(To be signed and submitted/uploaded along with Technical bid documents on Company's Letter Head)

(As per Office Memorandum No. F.7/10/2021-PPD (1) dated: 23.02.2023 issued by Department of Expenditure (Ministry of Finance), Govt. of India)

Model certificate for Tenders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

Place:

Signature: _____

Date:

Name: _____

Stamp: _____

OR

Model certificate for tenders for work involving possibility of sub-contracting

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contracting from such countries I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub contract any work to a contract form such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Provide Compliance for the above in Vendor Specified Commercial Terms.]"

Place:

Signature: _____

Date:

Name: _____

Stamp: _____



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Annexure –III

Tender Specifications for the items

<p>CRF IIT(ISM), Dhanbad, is looking for a Load-lock, an EDS detector, and a BSE detector compatible with the existing Sigma 300 FESEM system. The exterior of the system should be class 1000 clean room compatible. Specifications for the said items are as follows. Vendors are required to quote for the said system with all required accessories including those mentioned in the specifications.</p>		
1.	Load lock attachment with vacuum quite mode upgrade kit for the existing Zeiss Sigma 300 FESEM	<ul style="list-style-type: none"> Should be able to accommodate samples up to 60 mm or better Should be compatible and attachable with the existing Zeiss Sigma 300 FESEM system Should minimize the loading time of samples up to a factor of 3 or higher The control should be easily accessible on the load-lock interface as well as on the Zeiss Sigma 300 FESEM system software Should be supplied with Vacuum Quite Mode upgrade kit for reducing power consumption and pump noise induced vibration of the FESEM. The pre-pump of the FESEM should be automatically switched off after a threshold vacuum level.
2.	Energy Dispersive Spectroscopy (EDS) detector attachment for the existing Zeiss Sigma 300 FESEM	<ul style="list-style-type: none"> Should be a state-of-art EDS system Should be seamlessly get integrated with the Zeiss Sigma 300 FESEM system It should be a SDD type EDS detector Should have a detector area of 70 mm² or more Detector window should made by Si₃N₄ The Energy resolution for Mn-Kα and carbon should be at least 127eV and 50 eV respectively. The EDS detector should be able to handle high input count rate of at least 1.5 M input counts per second. The EDS must be plasma cleaner compatible Should offer a high-count rate for Elemental Analysis and Mapping applications Detection Range of detector should be at least from Be to Am The detector must guarantee the detection of Aluminum and Silicon L Lines The EDS should be able to do quantitative as well as qualitative analysis The EDS operations must be controlled from a dedicated software installed in a separate PC provided by the vendor The EDS software must have the software functions like – mapping, point Id, Line scan, multipoint, drift correction etc.
3.	Backscattered Electron (BSE) detector attachment for the existing Zeiss Sigma 300 FESEM (Specification is attached as Annexure-1).	<ul style="list-style-type: none"> Should be seamlessly get integrated with the Zeiss Sigma 300 FESEM system. The BSE should have an option for angle selection Should be able to measure at low acceleration voltage Should be able to image at different contrast levels Should be able to produce an image by mixing the signal with other detector(s) Should exhibit long-term temperature stability Should be completely integrated with the pole piece There should not be any requirement for alignment with the optical axis Control for the detector should be integrated with the control software for Zeiss Sigma 300 FESEM
4.	Warranty	Warranty for the entire system should be for two years from the date of successful installation and commissioning.

5.	Installation and commissioning	The installation and commissioning of the entire system must be done by your factory trained engineer at free of cost.
6.	Training on the complete system	<ul style="list-style-type: none"> • After successful installation and commissioning of the system, the required operational training on the entire system must be provided on site to the deputed personnel at no additional cost.
7.	Eligibility Criteria	<ul style="list-style-type: none"> • Vendor or its OEM must have supplied minimum 3 nos. of similar equipment to Government labs / Govt. Institutions / Universities etc. in India in the last 5 years. • The offer needs to include a list of names of the organizations/ institutions / Universities / etc., with details of the user(s), where similar type equipment has been supplied earlier by the vendor. • Organization or its Agent should have export experience • All printed catalogue of the system and its accessories should be attached with the technical bid. • Original invoice, Original Warranty Certificate and Original Test reports from OEM (if applicable) should be submitted for all the Imported Items at the time of delivery • Should be able to attend service call within 24 hours of a report. • Should be able to provide a live video/physical demonstration of a similar system, installed in India, if asked by the purchase committee • Compliance statements (vis-à-vis) against all the parameters of the specification in tabular form must be provided along with the quotation. The technical literatures/brochures in support of compliance of the specifications should be included therewith. These statements and brochures must be duly signed and stamped by the authorized person of the company.
8.	Other Terms and Conditions	<ul style="list-style-type: none"> • Vendor must guarantee the regular supply of spares for the lifetime of the system • All voltages should be compatible with Indian conditions (AC 220 volt \pm 10% V, with 50 Hz frequency) and similar conditions for three phase supply, if required. Price should include Installation & Commissioning Charges. • Price should be quoted as FOR, IIT(ISM) Dhanbad