GSTIN : 20AAAAI0686D1ZA
भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
धनबाद, झारखण्ड, भारत, पिन-826004
(शिक्षा 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 Education, Govt. of India)
PROJECT PURCHASE SECTION || Email: projectpurchase@iitism.ac.in || Website: www.iitism.ac.in

PH-PRJ-058-26-27 10/11/2026

Request for quotation

To,

Subject: Procurement of KSV NIMA MicroBAM

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

Sl. No.	Detailed Specifications	Quantity
1.	**Procurement of KSV NIMA MicroBAM (Detailed specification as per Annexure- I)**	01 No

INSTRUCTIONS:

1) Please attach relevant technical literature of the item.
2) Please mention the warranty/ guarantee period in your offer. The equipment/ material supplied must have a minimum warranty/ guarantee of **12 months** or more
3) Please attach an authorization certificate from OEM.
4) Please mention after-sales service information in your offer.
5) ***Please attach a certificate that the quoted price is not more than that of any other Govt. organization/ institution in India. This must be mentioned in the offer letter clearly***.
6) The rates should be quoted for each item separately as per the price schedule attached as annexure II.
7) The items/ materials shall be required to be delivered to the **Department of Physics** IIT (ISM) Dhanbad at the risk and cost of the tenderer.
8) Your tender must be **valid for a minimum of 180 days** from the date of opening of the tender.
9) The stores are required to be delivered within 90 days; late delivery may not be accepted.
10) Full details of stores offered should be given in the tender along with supporting & relevant literature/ Technical Literature.
11) The items offered should be of good quality conforming to BIS or equivalent standard, where applicable.
12) ***Advance payment is not admissible.*** Payment shall normally be made within 45 days subject to receipt and acceptance & installation (as per Purchase Order Terms) of the materials ordered/items.
13) In the event of the supplier failing to supply the materials or install the same as per contract condition, IIT (ISM) Dhanbad shall have the right to deploy a suitable agency/ third party to get the job completed at the risk and cost of the supplier.
14) Tender may please be submitted ***in sealed cover/Email super scribed with Enquiry No. PH-PRJ-058-26-27 latest by 01.12.2026***
15) The offer must be submitted in the office of Deputy Registrar (Project Purchase Section), Office of Dean(R&D), iRh Building 2nd Floor, 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, delivery is not acceptable by hand.
16) **EMD:** You are required to submit an EMD of an amount of Rs. 40,000/- in form of Demand Draft in favor of Registrar, IIT (ISM) Dhanbad payable at Dhanbad. EMD can also be submitted in the form of Term Deposit Receipt/ Fixed Deposit Receipt/Bank Guarantee drawn in favor of Registrar, IIT(ISM) Dhanbad.

17) **Performance Security**: To ensure due performance of the item, you are required to submit performance security. Performance security should be for an amount of five percent (5%) of the value of the supply order. Performance security may be furnished in the form of a Demand Draft/ Fixed Deposit Receipt / Bank

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Guarantee from a commercial bank in favour of Registrar IIT (ISM) Dhanbad, payable at Dhanbad. Performance security should remain valid for a period of 14 Months from the date of final acceptance/Installation. The performance security will be refunded without any interest, provided that the performance is satisfactory.

18) Any other information that you may like to obtain, you are free to contact IIT (ISM) Dhanbad before submission of tender.

19) You are requested to fill in the enclosed **Annexures.**

20) IIT (ISM) Dhanbad reserves the right to accept and/or to reject any/all tenders without assigning any reason.

21) **Payment:** Payment will be made within 45 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.

22) **Refund of EMD**: EMD will be refunded without any interest on the receipt of Performance security. If a purchase order is placed and you fail or refuse to supply the item, in such case EMD will be forfeited.

23) **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 submits 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.

For and on behalf of
IIT(ISM) Dhanbad

Deputy Registrar
Project Purchase Section
Office of Dean (R&D)
IIT(ISM) Dhanbad

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Annexure -I

DETAILED TECHNICAL SPECIFICATIONS REQUIRED FOR

Brewster Angle Microscope (BAM)

Sl. No.	Components	Specification Required
1	**Brewster Angle Microscope (BAM)**	Brewster angle microscope for air-water interface: incident angle 53°. • Incident light source wavelength: 630 nm to 670 nm or better • Incident light power: 50 mW or better • MicroBAM field of view of 3500 × 4000 µm or higher • Lateral resolution of image: 15 µm or better • Image capturing: The equipment must have a camera to capture images and video at a rate higher than 25 fps. • Camera resolution: 600 × 450 pixels or better. • Real-time thin film imaging system for an analytical and preparative Langmuir-film instrument • live picture(s) to the lateral resolution of at least 6 microns per pixel at speed at least 30 fps • Should be seen on PC screen while data is recorded to the hard disk. • Should be Stand-Alone system that can be used with Langmuir troughs and free-standing sample vessels and should be operated with stand-alone software compatible with Windows XP / Vista / 7 / 8/ 10, 11. • Stand for optimum manual positioning of the imaging unit • Should be equipped with camera & laser head unit • Black glass plate for removing stray light interference • Should be compatible with KSV NIMA medium-size Langmuir trough
2.	**Software**	The following features should be included in the software: • Capturing and image processing of BAM images. • To operate the Langmuir trough simultaneously with the BAM must be supplied. • Should be able to run without Langmuir-Blodgett instrument for result analysis • Should show surface tension in addition to surface pressure and should be able to integrate data from surface potential Sensor and MicroBAM characterization techniques The software should be compatible with Langmuir characterization tools available along with the following optional tools: • Surface Potential Sensor. • Brewster Angle Microscopes. • Interfacial Shear Rheometer. • Polarisation Modulation Infrared Reflection Absorption Spectrometer.
3.	**Power**	Power supply: 240 V / 50 Hz.
4.	**Warranty**	One year or more

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Annexure –II

1. PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA

Name of the Bidder_____

RFQ 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				
FOR (IIT ISM) Dhanbad				
GST/IGST (their rate(s) as the case may be, clearly specified)				
Insurance up to Destination/handover (in case of fabrication)				
Installation & Commissioning charge				
Training charges, if any				
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 –III

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, GoI.

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 RFQ /Bid No. **PH-PRJ-058-26-27** 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 IN %	LOCATION(S)
1.			
2.			
3.			
4.			

Date:
Signature:
Name of Authorized Signatory:
Name of Bidder:
Seal of Bidder:

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Annexure -IV

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 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 –V

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:_____