



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन - 826004

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)

No. MN-INS-249-24-25

Date: 17 February, 2025

Request for Quotation

To,

M/s GEOMECHANICA INC.

1023 Moorelands Cres

Pickering Ontario

Canada L1W 3K3

Phone: +1 647 478 9767

Email: [omid.mahabadi@geomechanica.com](mailto:omid.mahabadi@geomechanica.com), [billing@geomechanica.com](mailto:billing@geomechanica.com)

**Subject: Supply and Installation of IRAZU (Perpetual License).**

Sirs

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

Sl. No.	Tender No.	Particulars	Required Quantity
1.	MN-INS-249-24-25	IRAZU (Perpetual License)	01

**INSTRUCTIONS:**

- 1) Please attach relevant technical literature of the item.
- 2) Warranty: 12 Months.
- 3) Price Basis: FOR IIT (ISM) Dhanbad
- 4) Please attache OEM Certificate.
- 5) Mode of Delivery and Installation: Through online mode.
- 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 V.
- 8) Your tender must be **valid for minimum 180 days** from the date of opening of tender.
- 9) The items/materials are required to be delivered within 30 days, late delivery may not be accepted.
- 10) Full details of items/materials offered should be given in the tender along with supporting & relevant literatures/ Technical Literature.
- 11) Tender may please be submitted ***in sealed cover only superscribed with Enquiry No. MN-INS-249-24-25 latest by 10.03.2025.***
- 12) 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 Registered 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.
- 13) **EMD:** You are required to submit an EMD of Rs.18,000/- in form of Demand Draft in favour of Registrar, IIT (ISM) Dhanbad payable at Dhanbad. EMD can also be deposited in the form of a Term Deposit Receipt/Fixed Deposit Receipt/Bank Guarantee drawn in favour of Registrar, IIT (ISM) Dhanbad.

- 14) **Performance Security:** To ensure due performance of the item, you are required to submit a performance security. The performance security should be furnished within 21 days of the award of supply order. 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 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.
- 15) Any other information that you may like to obtain, you are free to contact IIT (ISM) Dhanbad before submission of tender.
- 16) IIT (ISM) Dhanbad reserves the right to accept and/or to reject any/all tenders without assigning any reason.
- 17) **Payment:** Payment shall normally be made within 3-4 weeks subject to 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 (as per Purchase Order Terms) of the ordered materials/items. *Advance payment is not admissible.*
- 18) **Liquidated damages (LD):** If a bidder fails to deliver the item or any part thereof within the period prescribed for delivery, the Institute shall be entitled to recover as liquidated damages a sum equivalent to 1% (one percent) per week of the purchase order. The total damages shall not exceed 5% (five percent) of the value of the purchase order.
- 19) **Refund of EMD:** EMD will be refunded without any interest on receipt of performance security. If supply order is placed and you fail or refuse to supply the item, in such case the EMD will be forfeited.
- 20) You are requested to fill the enclosed **Annexures**.
- 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.**

For and on behalf of  
IIT(ISM), Dhanabd



Deputy Registrar  
(Purchase & Store)

**Technical Specifications of IRAZU (Perpetual License)**

<b><u>Data Interpretation</u></b>	<ul style="list-style-type: none"> <li>• 2D/3D views</li> <li>• Stress, strain, force, displacement, velocity contours</li> <li>• Temperature and fluid pressure contours</li> <li>• Displacement and velocity vectors</li> <li>• Fracture and failure mode visualization</li> <li>• Full extension and automation via ParaView</li> <li>• Export images and animations</li> </ul>
<b><u>Modeling</u></b>	<ul style="list-style-type: none"> <li>• Intuitive graphical user interface</li> <li>• Interactive geometry creation</li> <li>• Import DXF files</li> <li>• Image-based material mapping<sup>1</sup></li> <li>• Grid and object snapping</li> <li>• Material property database</li> <li>• Layers sidebars</li> <li>• Excavation staging/sequencing</li> <li>• Material-based and regional excavations<sup>1</sup></li> <li>• Parametric study</li> <li>• Model snapshots and restart analysis</li> <li>• Both FDEM and FEM analysis modes</li> <li>• Fracture nucleation and growth based on nonlinear fracture mechanics</li> <li>• Various contact models</li> <li>• Multi-body contact dynamics</li> </ul>

## 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 :  
04<sup>th</sup> 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 04<sup>th</sup> 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 04<sup>th</sup> 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:

**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:**

**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:**\_\_\_\_\_

**PRICE BID**

Name of the Bidder \_\_\_\_\_

RFQ Reference No. \_\_\_\_\_

Sl. No.	Full Description of items	Quantity	Unit Price (In USD)	Total Amount (In USD)
1				

Price Basis: FOR IIT (ISM) Dhanbad

Signature of Bidder

Name \_\_\_\_\_

Business

Address \_\_\_\_\_

