



# 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](mailto:projectpurchase@iitism.ac.in) || Website: [www.iitism.ac.in](http://www.iitism.ac.in)

MN-PRJ-002-24-25

03<sup>rd</sup> June 2024

## Request for Quotation

To

**Subject: Supply & Installation of Full scale surface miner Cutting drum (4m) for field trials.**

Sir

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	a) Fabrication of 4m Cutting drum for Surface Miner as per the drawing and indicative specifications attached in Annexure II b) Transportation, assist fixing with KSM403 surface miner	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 **12 months**. Limited to only manufacturing defects except maloperation, accidental damage and as per the warranty policy of supplier and as per MoU signed between L&T and IIT (ISM), Dhanbad.
- 4) **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.**
- 5) The rates should be quoted for each item separately as per price schedule attached as annexure I.
- 6) The items/ materials shall be required to be delivered at The Office of GM, Garjanbahal OCP mine, Basundhara Area, MCL [Contact person: Shri P. Buchi Reddy, GM) on behalf of Prof. L.A.Kumaraswamidhas, Professor, Mechanical Engg., IIT(ISM) Dhanbad, Ph.: +91-326-223-5052, Mob.: +91- 7070123206 at the risk and cost of the tenderer.
- 7) Your tender must be **valid for minimum 120 days** from the date of opening of tender.
- 8) The stores are required to be delivered within 180 days, late delivery may not be accepted.
- 9) Full details of stores offered should be given in the tender along with supporting & relevant literatures/ Technical Literature.
- 10) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 11) **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 ordered materials/items.
- 12) In the event of the supplier failed to supply the materials or install the same as contract 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.
- 13) Tender may please be submitted **in sealed cover only super scribed with Enquiry No. MN-PRJ-002-24-25 latest by 24.06.2024**
- 14) The offer must be submitted in the office of Assistant Registrar (Project Purchase Section), Dean (R&D) office, CRF 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 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.



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- 15) **Performance Bank Guarantee:** A bank guarantee issued by a Nationalized Bank in India towards PBG for an amount equal to 5% 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.**
- 16) Any other information that you may like to obtain, you are free to contact IIT (ISM) Dhanbad before submission of tender.
- 17) IIT (ISM) Dhanbad reserves the right to accept and/or to reject any/all tenders without assigning any reason.
- 18) **Payment:** will be made within 45 days after satisfactory supply, inspection, installation/commissioning & acceptance and on submission of pre-receipted tax invoice, delivery challan, warranty certificate and installation report in triplicate.
- 19) **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.**

Assistant Registrar  
Project Purchase Section  
Dean (R&D) office  
IIT(ISM),Dhanbad



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## Annexure –I

### **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				
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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### **Form-1**

#### **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 and 2<sup>th</sup> March 2021 issued by DIPP, Ministry of Commerce and Industries, GoI.

To,

The Director,

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 and P-45021/2/2017-BE-II-Part (1) (E-50310) dated 4<sup>th</sup> March 2021 I hereby declare that

I am aware about all provision mentioned in Tender No. MN-PRJ-002-24-25 as well as order No. P-45021/2/2017-PP (BE-II) dated 04<sup>th</sup> June, 2020 and P-45021/2/2017-BE-II-Part (1) (E-50310) dated 4<sup>th</sup> March 2021 and abides by the same.

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.

**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.

The services such as transportation, insurance, installation, commissioning, training and after sales service support like ACM/CMC etc. are not included as Local content in case of imported products.

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.

Date:

Signature:

Name of Authorized Signatory:

Name of Bidder:

Seal of Bidder:



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## Annexure II

### Indicative Design Specifications of Surface Miner Cutting Drum\*

Sl. No.	Design Parameters	Specifications
1	Drum width	4000 mm
2	Drum diameter with pick	1150 mm
3	Drum diameter without pick	705 mm
4	Depth of Cut (max)	350 mm
5	Effective pick line spacing	~ 30 mm
6	No of vane picks	~ 132
7	No of gauge picks	~ 24
8	Total no. of picks	~ 156
9	Vane angle	~ 38.51°
10	Minimum distance between two picks on vane	~ 96.36 mm
11	Angle of Wrap	~ 354.9°
12	Length of wrap	~ 3163.76 mm
13	No of picks per wrap	~ 33
14	No of starts	~ 2
15	Power for cutter motor-max	700 kW
16	Attack angle	~ 48°
17	Pick Height	~ 155 mm
18	Diameter of tool tip, shoulder and shank	~ 18 mm, 70mm, 30 mm
19	Cone angle	~ 80°
20	Drum speed	~ 100 rpm
21	Cutting speed	up to 25 m/min

\* for hard rocks (up to 60MPa)