

REQUEST FOR QUOTATION

Sub: Invitation of quotation for supply of GPC cum HPLC System with Refractive Index Detector, fully Software Controlled

Technology Innovation in Exploration & Mining Foundation (TEXMiN) is interested for purchase of the materials/ equipment listed below:

| Sl. No. | Items | Quantity |
|---------|--|----------|
| 01 | GPC cum HPLC System with Refractive Index Detector, fully Software Controlled (Detail Specification in Annexure –II) | 01 |

TEXMiN Foundation

Mining Technology Innovation Hub

Institute Innovation Hub (i2h), 3rd Floor, IIT (ISM) Dhanbad, JH- 826004 India

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Fax + 91 + 326 + 2296563

info@texmin.in
www.texmin.in

Company Details:

Technology Innovation in Exploration & Mining Foundation (TEXMiN):
A section-8 company under the aegis of NM-ICPS, DST, Govt of India
Indian Institute of Technology (Indian School of Mines) Dhanbad

A Hub managed by the Mission Governing Board (MGB) and Hub Governing Body (HGB) with the Chairman of the Board:
Prof J.K.Pattanayak

TEXMiN Foundation

Corporate Identification Number:
U73200JH2020NPL015292

Permanent Account Number:
AAICT1465H

GST Registration Number:
20AAICT1465H1ZK

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**.
- 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**
- 8) The items/ materials shall be required to be delivered at Technology Innovation in Exploration & Mining Foundation (TEXMiN), i2h Building, 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 literature/ 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.
- 14) In the event of the supplier failed to supply the materials or install the same as contractual condition, TEXMiN, 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.
- 15) Tender may please be submitted **in sealed cover only superscribed with Enquiry No. TEXMiN/Pur/GeM/24-25/105 latest by 12.06.2024.**
- 16) The offer must be submitted in the office of the CEO, TEXMiN, 3rd Floor, i2h Building, 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 TEXMiN, 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 3% of total value of purchase order and valid till the period beyond two months of completion of the warranty period should be submitted in favour of **Technology Innovation in Exploration & Mining Foundation.**
- 18) Any other information that you may like to obtain, you are free to contact TEXMiN, IIT (ISM) Dhanbad before submission of tender.
- 19) TEXMiN, 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 30-45 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
- 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.**
 - 23) **Warranty: The warranty must be 1-year comprehensive warranty from the date of installation except consumables & perishables.**
 - 24) The Quoted model must be having at least 10 customer references or Purchase Orders from reputable Govt. Institutes for last 5 years from Eastern India to be provided.

Best regards,

**TEXMiN, IIT(ISM) Dhanbad
(Mining Technology Innovation Hub)**

(Suraj Prakash, CEO

(Mining Technology Innovation Hub (TEXMiN), IIT(ISM) Dhanbad)

Annexure –I

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. | | | | |
| Ex-Works Price- | | | | |
| Packing & Forwarding | | | | |
| Transportation | | | | |
| FOR: TEXMiN, IIT (ISM) Dhanbad | | | | |
| <u>GST/IGST (their rate(s) as the case may be, clearly specified)</u> Please note that IIT ISM is eligible for Concessional GST as per Notification No. 45/2017- Central Tax (Rate) for CGST, 45/2017- State Tax (Rate) for SGST and 47/2017-Central Tax (Rate) for IGST, | | | | |
| 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 _____

Annexure-II

Technical Specification for the supply of GPC cum HPLC System with Refractive Index Detector

1. Solvent Delivery Pump - 1 NO.:

- 1 No. of GPC pump integrated with Manual Injector with dual reciprocating pistons and non-circular gear driven, free standing pump should be provided. A pump drawing / design must be shared in the Bid.
- Programmable flow range: 0.000 to 10.000 ml/min with 0.01 ml/min increment for all Analytical application.
- The system should be capable of delivering precise volumes of mobile phase with minimum 48 step/ μ l or better.
- Flow Precision: 0.1% RSD or better.
- Maximum Pressure: 6000 psi throughout entire Flow rate.
- The system delay volume should be lesser than 200 μ l. Data Sheets must be properly mentioned.
- Flow accuracy: + 1% or better.
- The system should be capable to withstand the retention time variations of less than 0.1% for highly reproducible peak performance.

2. Manual injector:

- The manual injector should be fully integrated with the pump. No separate free-standing panel should be there for the injection. A sketch / drawing should be provided along with the technical details which must show the same.
- Should come with 5, 20, 50 and 200 μ l sample loops along with 25 μ l syringe.
- Should have the construction for sample load without interruption of flow.
- Death volume-free syringe guidance must be present along with Built-in injector signal.

3. Refractive Index Detector:

- RI Units: 1.00 to 1.75 with measuring range of 5×10^{-4} to 7.0×10^{-9} RIU or better.
- Flow cell should be temperature controlled with heat exchangers to have minimum noise of 1.5×10^{-9} RIU with 2s time constant.
- Cell should have minimum volume of 10 microliter or less to be compatible with flow rates upto 10ml/min.
- Flow Cell: Fused Quartz.

- Flow cell volume: 10 μ l or better.
- Light source: LED with lifetime warranty.

4. Original Manufacturer Chromatography Software (Instrument & Software from a single manufacturer):

- Chromatography software must be integrated with Oracle (version 19.0 or higher) & secured database.
- Oracle database must be present for easy tracking and trending Instrument Method, Processing Method, Report Method, etc.
- The software must come in-built with System Suitability facility for Method validation, System performance, Reproducibility, Tracking and plotting trends & Processing and reporting.
- The Software must come with 2 numbers of Base Licenses & 5 numbers of named user's licenses for the creation of separate usernames & passwords. The software must control 2 numbers of GPC systems simultaneously.
- It should come with GPC/SEC option for Polymer analysis.
- Each injection is time and date stamped for easy archiving, retrieval of data with Drag and Drop, look and feel of Windows.
- Report publisher facility for customized reports along with Custom reporting with view filters for easy retrieval.
- Software should offer multiple levels of password, security to ensure the integrity of all your raw data and results.
- Security of data, custom reporting with view filters for easy retrieval must be present.

5. Column Oven:

- Should have provision for housing at least three or more columns.
- Temperature setting range: Ambient to 150 $^{\circ}$ C or better.
- Operating temperature: Ambient to 150 $^{\circ}$ C or better.
- Peltier heating facility to available to have maximum temperature accuracy and quick heating.

6. GPC Columns:

- GPC High Resolution Column 7.8 x 300 mm, THF Solvent, Molecular Weight 500 Da to 30 KDa – 1 Qty
- GPC High Resolution Column 7.8 x 300 mm, Aqueous Solvent, Molecular Weight 50 KDa to 7000 KDa – 1 Qty

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 : 04th June 2020 and 2th March 2021 issued by DIPP, Ministry of Commerce and Industries, GoI.

To,
The CEO
Technology Innovation in Exploration & Mining Foundation
IIT (ISM) Dhanbad 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 and P-45021/2/2017-BE-II-Part (1) (E-50310) dated 4th March 2021 I hereby declare that

I am aware about all provision mentioned in Tender No. CC-INS-283-22-23 as well as order No. P-45021/2/2017-PP (BE-II) dated 04th June, 2020 and P-45021/2/2017-BE-II-Part (1) (E-50310) dated 4th 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: