

Maulana Azad

National Institute of Technology Bhopal- 462 003

(An Institution of National Importance under MoE, Govt. of India)



LIMITED TENDER ENQUIRY
FOR
SUPPLY OF GOODS/ITEMS IN LAB EQUIPMENT

Website: www.manit.ac.in
Email Address: info@manit.ac.in

Fax No: 0755-2670562
Telephone No: 0755-4051000, 0755-4052000

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No. MANIT/S&P/CHEMICAL/2020:15

Date: 17/11/2020

NOTICE INVITING TENDERS

Sub: *Supply of Goods/ Items in Lab Equipments.*

Tenders are invited for *Supply Goods/Items in Lab Equipment*. Interested Manufacturers/Authorized Partner/Agencies may log on Institute website www.manit.ac.in and CPPP website www.eprocure.gov.in/epublish/app for further details. Tender Document can be downloaded and the duly completed be submitted to the Assistant Registrar, Stores & Purchase, Maulana Azad National Institute of Technology- Bhopal- 462 003.

Last date of receipt of complete tender document is 08/12/2020 up to 12.00 hours. The Director of the Institute reserves the right to accept or reject any or the entire tender in full or in part without assigning any reason whatsoever.

Registrar

Maulana Azad
National Institute of Technology Bhopal- 462 003

IMPORTANT INFORMATION AT A GLANCE		
Tender No & Date	No. MANIT/ S&P/ CHEMICAL/2020:15	
	Date: 17/11/2020	
SCOPE OF TENDER		
Brief Description of Goods/Items	Quantity	Remarks
POOL BOLING APPRATUS ROTAP SIEVE SHAKER CASCADE CSTR	03	Detailed Specification at Annexure-I
Estimated cost of Tender	Rs. 4,88,000.00	
Location of Supplies & Installation	Chemical Engineering department (1 st floor), at Institute at Institute	

TENDER DOCUMENT	
Tender Document can be downloaded free of cost from Institute website www.manit.ac.in and CPPP website www.eprocure.gov.in/epublish/app	
Last Date & Time of Submission of Tender	08/12/2020 up to 12:00 hours
Date & Time of Opening of Bids	09/12/2020 at 12:00 hours
Expected Delivery Period	Four weeks from issuance of order
Details of Contact Persons for Query if any	
Name: Mr. Rakesh Singh Designation : Junior Assistant Tel No: 07554051808 Email:	Name: Dr. S. Suresh Designation: Assistant Professor Tel No: 0755 - 4051803 Email:

INSTRUCTIONS TO BIDDERS	
1	Scope of Supplies & Work:
a	The Goods/ Items shall be supplied as per the Bill of Quantity and Specifications mentioned in ANNEXURE-I . However higher specification of equipment may be considered subject to their cost economics competitiveness.
b	Bidder should supply illustrated leaflet giving technical details of Goods/ Item and attach the same with the tender to facilitate evaluation.
c	Bidder should quote the price of only one best & appropriate model of Goods/Item available with them.
d	Bidder should quote preferably other than made in China items as mentioned in the Bill of Quantity due to current relation between India & China. Certificate of origin shall also be submitted along with the bid.
e	Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only. The warranty/AMC required must be specified
f	After the supply of Goods/ Items & Accessories as mentioned in the ANNEXURE-I , the bidder has to execute its installation at the designated location(s).No extra cost shall be paid for this reason.
2	Delivery of Supplies & Installation:
a	The purchaser interested for complete delivery of Goods/items along with Installation by bidder within stipulated time limit.
b	The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of Goods/Items.
c	The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/ installation shall be obtained by bidder in his own name and not in the name of purchases.
3	Warranty & After Sales Services:
a	The bidder shall offer on-site comprehensive warranty of Good/Items for 01 (one) year from the date of successful commissioning of goods at the designated location & shall cover each and every part of the goods including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.
b	The bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.
c	The performance Bank Guarantee 10% of the basic value is required for the warrantee period.
4	Eligibility Criteria:
a	Bidder should have registered with appropriate Authority.
b	Bidder should have minimum annual turnover (Double value of estimated cost of tender) in last year .CA certification in this regard is to be submitted.
c	Bidder should have GST Number & Income PAN both.
d	OEM Authorization Letter
e	Reference Order of similar equipments must be provided.

	f	ISO Certificate should be attached along with the Tender Document.
5	Amendment of Tender Document:	
	a	At any time prior to the date submission of bids, the purchaser, may, for any reason, whether at its own initiative or in response to a clarification sought by a prospective bidder, amend bid document by issuing corrigendum. The corrigendum will be notified/ published in e-tendering website www.eprocure.gov.in/epublish/app and Institute website only.
6	Price Bid	
	a	The Prices should be quoted in Indian Rupees only.
	b	Purchaser (being a research Institution) is registered with the Department of Scientific & Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of GoI Notification No. 51/96-Customs dated 23 July 1996. The bidder should quote their prices considering the exemption certificate. If any certification needed by bidder, may be given to avail this benefit.
	c	Government of India, Ministry of Finance (Department of Revenue) Notification No: 47/2017 integrated Tax dated 14/11/2017, the NITs are exempted from GST in excess of the amount calculated at the rate of 5 per cent under the following categories: (a) Scientific and technical Instruments, Apparatus, Equipment (including Computers); (b) Accessories, Parts, Consumables and live animals (experimental purpose); (c) Computer Software, Compact Disc-Read only Memory (CD-ROM), recorded magnetic tapes, Microfilms, Microfiches; (d) Prototypes, the aggregate value of prototypes received by an institution does not exceed fifty thousand rupees in financial years. The bidder should quote their prices considering the exemption. If any certification needed by bidder, may be given to avail this benefit.
	d	Bidder shall take into account all costs including unloading at the location of purchaser, cartage etc. for giving delivery of material at site(s) before quoting the rates. In this regard no claim what so ever shall be entertained.
	e	The bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted unit prices.
	f	The price quoted in price bid shall be firm but subject to change in rate of applicable taxes if any.
	g	The Bidder should avoid the use of vague term such as “Extra as applicable”. Such offers shall be treated as non-responsive.
	h	No extra payment shall be paid on account of any discrepancy in nomenclature of items. The bidder shall seek clarifications if any before submitting the tender.
7	Bid Submission:	
		The tender must be placed in a properly sealed envelope super-scribed “ <i>Tender for the Supply of Lab equipments.</i> ” with tender inquiry number and its due date addressed to The Director, Maulana Azad National Institute of Technology-Bhopal- 462003 and must reach the office of the Assistant Registrar- Stores & Purchase, Maulana Azad National Institute of Technology, Bhopal on or

		before as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. The sealed Envelop should be consisting of followings:
	a	Copy of Certificate of Registration of firm, GST Number and Income Tax PAN.
	b	Certificate mentioning of Turnover for the last year and OEM authorization letter.
	c	BOQ Annexure-I and Price Bid Annexure-II duly filled and signed.
8	Evaluation of Bids:	
	The Institute shall evaluate all the items together or separately depending upon nature of items of circumstance and compare the quotations determined to be substantially responsive i.e. which	
	a	are properly signed;
	b	Confirm to the eligibility criteria of the vendor; and
	c	Confirm to the terms & conditions, and technical specifications.
	d	In case, required goods/items in this tender are independent and complete in nature. Institute may evaluate independently as far as price is concerned for placing order(s).
	e	All the items will be evaluated independently
9	Validity of Tender:	
	a	The tender shall be valid for a period of 60 days from the date of opening of the bid of tender. Terms and financial details submitted in the bid shall be treated as firm during the 60 days period.
	b	In exceptional circumstances, prior to the expiry of the bid validity period, the purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.
10	Notification of Award:	
	a	Prior to the expiry of the period of bid validity, the purchaser shall notify the successful bidder, in writing, that its bid has been accepted. The notification letter shall specify the sum that the purchaser will pay to the bidder in consideration of the <i>Supply of Goods/ Items</i> with the details of selected location.
11	Penalty Clause:	
	a	The bidder shall indicate the period within which the ordered quantity will be supplied along with Installation & Commissioning of Goods/ Items. The bidder shall note that in case bidder fails to do so within the period of delivery indicated by the bidder in bid of this tender, penalty @ 01% of value of the order per week of delay would be levied subject to maximum 10 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 10 weeks after expiry of scheduled delivery date.
12	Terms of Payment:	
	a	The Payment shall be made within 30 days by purchaser after supply and installation of Goods/ Items.
	b	The payment of AMC shall be staggered over the period of AMC and be made at the end of each Quarter.
13	Jurisdiction:	
	a	In the event of any dispute the legal matter shall be subjected to the jurisdiction of Bhopal court only.

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BILL OF QUANTITY

SN	Technical Specification	Quantity	Remarks
1	<p style="text-align: center;">Pool Boiling Apparatus Specification</p> <ul style="list-style-type: none"> • Test heater should be provided with holding arrangement for quick change of wire. • Boiling Chamber should be made Stainless steel 304 grade, thickness 1.5mm with transparent window for observation of test heater. • Nichrome wire heater should be is fitted in boiling chamber and heat input controlled by PID Controller, 0 - 199.9° C. • Temperature measurement should be done by Temperature Sensors of RTD PT-100 type tolerance IEC-60751F 0.15, Class A type with Digital Temperature Indicator (0-199.9 °C). • Heat input to test heater measured by Voltmeter0-200 V, Ammeter0-2 Amp, with Peak Hold Facility and Dimmer stat 0-4 A, 230 V. • Operating/instruction manual and sample calculations, Photographs and line diagram of the equipment must be provided along with tender documents otherwise your bid will be rejected. • Equipments has to be demonstrated at college site, results should be repeatable within $\pm 5\%$ of the sample calculations provided. • The whole set-up should be well designed and arranged on a rigid structure painted with industrial PU Paint. Equipment should be capable of performing following experiment: <ul style="list-style-type: none"> • To determine the critical heat flux of given wire. • To study the nucleate boiling phenomenon up to Critical Heat flux point. <p>1) Operating/instruction manual and sample calculations are to be provided along with the tender documents.</p> <p>2) Equipment's has to be demonstrated at college site, results should be repeatable within $\pm 2\%$ of the sample calculations provided.</p>	01	

	<p>3) All the water tank should be of SS 304Grade with minimum 1.2 mm thickness.</p> <p>4) Equipment should be upgradable for Data Logging Facility in future.</p> <p>5) Photographs and line diagram should be provided.</p> <p>6) In house facility of CNC Machine with manufacturer.</p> <p>7) Licensed CAD & CAM Software like Solid work CATIA, PROE, NX Etc (Proof of the same should be attached along with the Tender Document).</p> <p>8) The vendor should provide the satisfactory training to our technical staff after installation/commissioning. The trainer should be a permanent employee of the company with a minimum of 3 years' experience in demonstrating such equipment's. The details about the training programs and a brief bio-data of the trainer should be submitted along with the technical bid.</p> <p>9) Original catalogue (not a photocopy) of the quoted model duly signed by the principals must accompany the quotation. The model quoted should be highlighted in the catalogue enclosed with the quotation. Merely copying the specifications in the quotation without any proof shall not make the parties eligible for consideration of the quotation.</p> <p>10) The firm must have the capability for uninterrupted supply of spares, accessories for a period of 5 years (60 months) from the date of acceptance to avoid any operational problem due to obsolesce.</p>		
2	<p>ROTAP SIEVE SHAKER</p> <p>Specification</p> <ul style="list-style-type: none"> • Sieve assembly should be Compatible to 6-7 sieves of dia. 20-cm and driven by 0.5 HP Motor. • Special arrangement should be provided for setting time for shaking. • Control Panel should be comprised of Standard make on off switch, Mains Indicator etc. • Operating/instruction manual consisting of experimental procedure, block diagram etc. and sample calculations should to be provided along with the tender documents. • Equipments has to be demonstrated at college site, results should be repeatable within $\pm 5\%$ of the sample calculations provided. • The whole set-up should be well designed and arranged on a rigid structure painted with industrial PU Paint. <p>Equipment should be capable of performing following experiment:</p> <ul style="list-style-type: none"> • To demonstrate the working of Rotap sieve shaker. 		

	<ul style="list-style-type: none"> • To perform screen analysis. 1) Operating/instruction manual and sample calculations are to be provided along with the tender documents. 2) Equipment's has to be demonstrated at college site, results should be repeatable within $\pm 2\%$ of the sample calculations provided. 3) All the water tank should be of SS 304 Grade with minimum 1.2 mm thickness. 4) Equipment should be upgradable for Data Logging Facility in future. 5) Photographs and line diagram should be provided. 6) In house facility of CNC Machine with manufacturer. 7) Licensed CAD & CAM Software like Solid work CATIA, PROE, NX Etc (Proof of the same should be attached along with the Tender Document). 8) The vendor should provide the satisfactory training to our technical staff after installation/commissioning. The trainer should be a permanent employee of the company with a minimum of 3 years' experience in demonstrating such equipment's. The details about the training programs and a brief bio-data of the trainer should be submitted along with the technical bid. 9) Original catalogue (not a photocopy) of the quoted model duly signed by the principals must accompany the quotation. The model quoted should be highlighted in the catalogue enclosed with the quotation. Merely copying the specifications in the quotation without any proof shall not make the parties eligible for consideration of the quotation. 10) The firm must have the capability for uninterrupted supply of spares, accessories for a period of 5 years (60 months) from the date of acceptance to avoid any operational problem due to obsolesce. 		
3	<p>CASCADE CSTR</p> <p>Specification</p> <ul style="list-style-type: none"> • Three reactors of capacity 1 Ltrs each should be made of stainless steel 304 grade and each reactor fitted with stirrer having stainless steel Impeller and shaft coupled with FHP Motor. • Feed circulation should be done by peristaltic pump feed • Feed Tank (2Nos.) : Material Stainless Steel, Capacity - 20 Ltrs. (Approx.) • Feed Circulation : By compressed air. • Flow Measurement : Rotameter-2Nos. (one each for 		

	<p>Reactants).</p> <ul style="list-style-type: none"> • Piping : Stainless Steel and PU pipe • Pressure Regulator : 0-2 Kg/cm² • Pressure Gauge : Bourdon type 0-2 Kg/cm² • Control Panel comprising of : Standard make on/off switch, Mains Indicator etc. <ul style="list-style-type: none"> • An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus. <ol style="list-style-type: none"> 1) Operating/instruction manual and sample calculations are to be provided along with the tender documents. 2) Equipment's has to be demonstrated at college site, results should be repeatable within $\pm 2\%$ of the sample calculations provided. 3) Original catalogue (not a photocopy) of the quoted model duly signed by the principals must accompany the quotation. The model quoted should be highlighted in the catalogue enclosed with the quotation. Merely copying the specifications in the quotation without any proof shall not make the parties eligible for consideration of the quotation. 4) The firm must have the capability for uninterrupted supply of spares, accessories for a period of 5 years (60 months) from the date of acceptance to avoid any operational problem due to obsolesce. 5) The principal make must have quality assurance certificate ISO 9001 & Environment Management certificate ISO 14001: 2004 6) The Principal make must have 15 years experiences of manufacturing scientific equipment. 		
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NB: Drawing/ Design is enclosed herewith.

<p>We confirm with our acceptance to the technical specification as given above.</p>		
<p>Date:</p>		<p>BIDDER'S NAME & SIGNATURE WITH SEAL</p>

ANNEXURE- II	
FORMAT FOR SUBMISSION OF BID PRICE	
To,	
The Director	
MANIT- Bhopal- 462 003	

Sub: Price Bid with reference to Tender Document No: _____ dated _____

SN	Product Description with make & Model	Discounted unit price	Qty	Qty Price	GST	Total Price
1	2	3	4	5	6	7(5+6)
Total offered Price						
Total (In Words)						

The followings things are confirmed and undertake by us that:	
a	The price quoted above are inclusive of basic price, statutory levies and taxes, duties, Transportation, Incidental services (including Insurance, Loading/ unloading, Packing & Forwarding charges, Installation etc.) at site.
b	Taxes are subject to change/ revision.
c	Offer price shall be valid for a period of 60 days from the date of opening of bid of this tender.
d	We will be agreed to offer services for on-site comprehensive warranty on the Goods/ Items supplied through this tender for one (01) year.
e	We agree with the terms and conditions specified in "Instructions to Bidders" and if selected, the execution of supplies would be made in compliance.

Date:	Signature of Authorized Bidder with proper rubber stamp
	Name:
	Designation:
	Mobile No: