

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 MECHATRONICS TRAINER

Website: www.manit.ac.in
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No. MANIT/MECH/S&P/2022:80

Date: 04/08/2022

NOTICE INVITING TENDERS

Sub: ***Supply of Mechatronics Trainer.***

Tenders are invited for *Supply of Mechatronics Trainer*. 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 23/08/2022 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/MECH/S&P/2022:80	
	Date: 04/08/2022	
SCOPE OF TENDER		
Brief Description of Goods/Items	Quantity	Remarks
Mechatronics Trainer	01 No.	Detailed Specification at Annexure-I
Estimated cost of Tender	Rs. 6,00,000.00	
Location of Supplies & Installation	Centre For Excellence In Product Design And Smart Manufacturing At MANIT, Bhopal.	
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	23/08/2022 up to 12:00 hours	
Date & Time of Opening of Bids	23/08/2022 at 15:00 hours	
Tender Validity period	60 days from the date of opening of the Technical Bid	
Delivery/ Supply period	04 to 06 weeks from the date of issue of Supply Order	
Warranty Period	01 year (s) from the date of successful Installation & Commissioning of equipments/ items	
Bid Security/ EMD	NIL	
Performance Security	3% on total Value of PO	
Details of Contact Persons for Query if any		
Name: Ravi Kumar Mandava Designation: Assistant Professor Tel No: 9885291316 Email: ravikumar1013@gmail.com	Name: Rahid Khan Designation: Superintendent Tel No: 9893732028 Email: rahid1khan@gmail.com	

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 make-in-India items as mentioned in the Bill of Quantity. Bidder may be asked to supply sample of offered product/item before supply in bulk quantities.
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 equipments along with Installation, Testing and Commissioning within the period as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. However, the bidder has an option to submit the best delivery with installation time.
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 equipments as mentioned at IMPORTANT INFORMATION AT GLANCE sheet at the designated location & shall cover each and every part of the equipments 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 security as per rate mentioned at IMPORTANT INFORMATION AT GLANCE sheet on the total value is required in favour of Institute for the warrantee period plus sixty days extra.
4 Eligibility Criteria:	
a	Bidder should be a Company/Partnership firm/ Proprietary firm/ Agency and operational from at least 03 years (Three) as on close date of tender. Copy of registration shall be attached.
b	The Bidder must have supplied Goods/ Items in last three years to Central/State government/ Quasi-Government organization/ Public listed company in India. Copies of Purchase Order (PO) shall be attached.
c	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.

	d	Bidder should have GST Number & Income PAN both.
	e	OEM Authorization Letter
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% (Five 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 Mechatronics Trainer.</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 may evaluate all the required goods/items in this tender together or independent depending upon nature of items & compatibility 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).
9	Validity of Tender:	
	a	The tender shall be valid as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. Terms and financial details submitted in the bid shall be treated as firm during the validity 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.
	b	Purchase/ Contract order shall preferably be issued in favour of bidder. Bidder may request in advance for issuance of Purchase/ Contract order in favour of OEM of product. In this case billing and payment shall be made to OEM only.
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 price bid of this tender, penalty @ 0.50 % on total value of the PO per week of delay would be levied subject to maximum 20 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 20 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.

*Maulana Azad***National Institute of Technology Bhopal- 462 003****BILL OF QUANTITY**

SN	Technical Specification	Quantity	Remarks
1	Profile plate with stand: (Size: 1000 x 600 mm)	1 No.	
2	Relay, three fold	1 No.	
3	Signal Input, electrical	1 No.	
4	5/2 way Single solenoid valve with LED	1 No.	
5	5/2 Solenoid valve, double, with LED	2 No.	
6	Pressure sensor with display	1 No.	
7	Electrical Limit Switch, left actuated	1 No.	
8	Electronic proximity sensor with cylinder attachment (Response time (on/off): max. 0,5 ms)	2 No.	
9	3/2-way valve with push button actuation(Operating pressure range: -0.95 – 8 bar)	3 No.	
10	3/2-way valve with push button actuation, N.O.(Operating pressure range: 3.5 – 8 bar)	1 No.	
11	5/2-way valve with selector switch (Operating pressure range: 0 – 8 bar)	1 No.	
12	Pressure gauge (0 – 16 bar)	2 No.	
13	Quick-exhaust valve (Operating pressure range: 0.5 – 10 bar)	1 No.	
14	3/2-way roller lever valve, idle return N.C. (Operating pressure range: -0.95 – 8 bar)	1 No.	
15	3/2-way roller lever direct actuation N.C. (Operating pressure range: -0.95 - 8 bar)	3 No.	
16	5/2-way pneumatic actuated valve, single sided: (Operating pressure range: 0 – 10 bar)	1 No.	
17	5/2- way pneumatic actuated valve, double sided (Operating pressure range: 0 – 10 bar)	3 No.	
18	Shuttle valve (OR) (Operating pressure range: 1 – 10 bar)	1 No.	
19	Dual-pressure valve (AND) (Operating pressure range: 1 – 10 bar)	1 No.	
20	Time-delay valve / adjustable N.C. (Operating pressure range: 2.5 – 8 bar)	1 No.	
21	One-way flow control valve (Operating pressure range: 0.5 – 10 bar)	2 No.	
22	Pressure sequence valve(Operating pressure range: 1.8 – 8 bar)	1 No.	
23	Single-acting cylinder	1 No.	
24	Double-acting cylinder	2 No.	
25	Pressure regulator valve with gauge	1 No.	
26	On/Off valve with Filter regulator and gauge	1 No.	
27	Manifold	1 No.	
28	Plastic tubing PUN 4	1 No.	

29	Plastic tubing PUN 8	1 No.	
30	T-connectors	10 No.	
31	Connection component Set	1 No.	
32	Electrical Limit Switch, right actuated	1 No.	
33	Power Supply Unit	1 No.	
34	Set of Cables	1 Set	
35	Mounting frame for Electrical units	1 No.	
36	Electro pneumatics components/PLC with simulation software (HARDWARE AND SOFTWARE INTERFACEING KIT)	1 Kit	

NB: Drawing/ Design is enclosed herewith.

We confirm with our acceptance to the technical specification as given above.

Date:		BIDDER'S NAME & SIGNATURE WITH SEAL
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		ANNEXURE- II
FORMAT FOR SUBMISSION OF BID PRICE		
To, The Director MANIT- Bhopal- 462 003		

Sub:	Price Bid with reference to Tender Document No: MANIT/MECH/S&P/2022:80 dated 04/08/2022.
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SN	Product Description with make & Model	Discounted unit price	Qty	Qty Price	GST	Total Price
1	2	3	4	5	6	7(5+6)
1	Profile plate with stand: (Size: 1000 x 600 mm)		1 No.			
2	Relay, three fold		1 No.			
3	Signal Input, electrical		1 No.			
4	5/2 way Single solenoid valve with LED		1 No.			
5	5/2 Solenoid valve, double, with LED		2 No.			
6	Pressure sensor with display		1 No.			
7	Electrical Limit Switch, left actuated		1 No.			
8	Electronic proximity sensor with cylinder attachment (Response time (on/off): max. 0,5 ms)		2 No.			
9	3/2-way valve with push button actuation(Operating pressure range: -0.95 – 8 bar)		3 No.			
10	3/2-way valve with push button actuation, N.O.(Operating pressure range: 3.5 – 8 bar)		1 No.			
11	5/2-way valve with selector switch (Operating pressure range: 0 – 8 bar)		1 No.			
12	Pressure gauge (0 – 16 bar)		2 No.			
13	Quick-exhaust valve (Operating pressure range: 0.5 – 10 bar)		1 No.			
14	3/2-way roller lever valve, idle return N.C. (Operating pressure range: -0.95 – 8 bar)		1 No.			
15	3/2-way roller lever direct actuation N.C. (Operating pressure range: -0.95 - 8 bar)		3 No.			
16	5/2-way pneumatic actuated valve, single sided: (Operating pressure range: 0 – 10 bar)		1 No.			
17	5/2- way pneumatic actuated valve, double sided (Operating pressure range: 0 – 10 bar)		3 No.			
18	Shuttle valve (OR) (Operating pressure range: 1 – 10 bar)		1 No.			
19	Dual-pressure valve (AND) (Operating pressure range: 1 – 10 bar)		1 No.			

20	Time-delay valve / adjustable N.C. (Operating pressure range: 2.5 – 8 bar)		1 No.			
21	One-way flow control valve (Operating pressure range: 0.5 – 10 bar)		2 No.			
22	Pressure sequence valve(Operating pressure range: 1.8 – 8 bar)		1 No.			
23	Single-acting cylinder		1 No.			
24	Double-acting cylinder		2 No.			
25	Pressure regulator valve with gauge		1 No.			
26	On/Off valve with Filter regulator and gauge		1 No.			
27	Manifold		1 No.			
28	Plastic tubing PUN 4		1 No.			
29	Plastic tubing PUN 8		1 No.			
30	T-connectors		10 No.			
31	Connection component Set		1 No.			
32	Electrical Limit Switch, right actuated		1 No.			
33	Power Supply Unit		1 No.			
34	Set of Cables		1 Set			
35	Mounting frame for Electrical units		1 No.			
36	Electro pneumatics components/PLC with simulation software (HARDWARE AND SOFTWARE INTERFACEING KIT)		1 Kit			
Total offered Price						
Total (In Words):						
Delivery Period required:						
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	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: