



(Tender No: 02 MANUU/F.188/2017-18 dt: 9th May, 2018)

Sub: MANUU - Purchase & Stores Sections – Supply and installation of equipments for ECE Lab of Polytechnic Darbhanga – Online (through CPPP) Tender Enquiry – Reg.

The Maulana Azad National Urdu University (MANUU), Hyderabad (Central University established by an Act of Parliament in 1998) invites bids for supply and installation of equipments for ECE Lab of Polytechnic Darbhanga from the prospective bidders (registered firms/Original Equipment Manufacturer/authorized dealers/distributors). The intended bidders may furnish their quotations (as per the specifications mentioned below) online through Central Public Procurement Portal (CPPP) @<https://eprocure.gov.in/eprocure>. The online bids along with **EMD for Rs. 47,000/-** drawn in favour of MANUU, Hyderabad (suppliers registered with MSME, NSIC, NCCF, Kendriya Bhandar etc as per GoI norms will only be considered for exemption on production of documentary proof, failing which the bid will be rejected) shall be furnished as per the proforma prescribed (Annexure-2). The bid documents (both Technical bid and financial bid) along with the EMD proof must be uploaded online to CPP Portal on or before **24th May 2018**.

Specification of equipment/item & quantity required:

Sl.	Item Specifications	Quantity
1.	L.C.R Meter: power source 9v-24v,42.5Hz,battery life 30hr min	5
2.	Loud Speaker: 41 Hz 89 db 4 to 8 ohm impedance,25 to 100w	5
3.	8086 Microprocessor Trainer Kit: Works with either 8086 CPU, operations on a single +5V power supply, in standalone mode using on-board keypad or from a PC Compatible system through its RS 232-C interface, Provision for on board NDP 8087, System monitor permits entry of programs, debugging through breakpoint and instruction step facilities, Built in one line assembler/ disassembler, Support for a variety of interface modules, Windows driver with user friendly debugging environment, Compatible power adapter for kit only	2
4.	AM Modulator & Demodulator Trainer Kit : ”Generation and Detection of AM	5
5.	FM Modulator & Demodulator Trainer Kit: Generation and Detection of AM AM/FM trainee Kit	5
6.	AM receiver Trainer kit Radio receiver Trainer kit: AM/ FM Trainer Kit	5
7.	Digital IC tester : TTL IC Tester (74LS00 Series)	1
8.	Linear IC tester : Linear IC tester 741/555	1
9.	Resonance Trainer kit : Series and Parallel resonance	5
10.	Thevenin’s theorem trainer kit : Verification of Thevenin’s theorem	5
11.	Super Position theorem trainer kit: Verification of Super Position theorem	5
12.	Maximum power transfer theorem trainer kit: Verification of Maximum power transfer	5
13.	Differentiator and Integrator circuits trainer kit : Differentiator and Integrator circuits	5
14.	Decade Resistor Box: 1 Ohm -1Mega ohm in 6 decades	1
15.	Decade Inductor Box: 10 Micro Henry -1000milli Henry in 5 decades	3
16.	Decade Capacitor Box: 100Pf -10micro farad in 5 decades	3
17.	ASK Modulator & Demodulator Trainer Kit: Generation and Detection of Amplitude Shift keying Modulation and Demodulation	4

PURCHASE & STORES SECTION

18.	FSK Modulator & Demodulator Trainer Kit: Generation and Detection of Frequency Shift keying Modulation and Demodulation	4
19.	PSK Modulator & Demodulator Trainer Kit: Generation and Detection of Phase Shift keying Modulation and Demodulation	4
20.	PCM Modulator & Demodulator Trainer Kit: Generation and Detection of Pulse Code Modulation	4
21.	Time Division Multiplexing / De-multiplexing: Generation and Detection of Time Division Multiplexing and Demultiplexing	4
22.	Optical Fibre Trainer Kit: LASER Diode, Optical Transmitter	4
23.	DTH Antenna set: Study the DTH antenna and connect the DTH antenna to the TV	1
24.	Colour TV Demo set: 21" Colour TV set with trainer system and DTH set	1
25.	Decade Capacitance Box: 100Pf -10micro farad in 5 decades	2
26.	Decade Inductance Box: 10 Micro Henry -1000 milli Henry in 5 decades	2
27.	UJT Relaxation Oscillator circuit Trainer Kit: UJT Relaxation Oscillator circuit	5
28.	Study of Simple Inverter Circuit Trainer Kit: Study of Simple Inverter Circuit	5
29.	SCR Circuit to Drive Small Loads (AC & DC) Trainer Kit: SCR Circuit to Driver Small Loads (AC & DC)	5
30.	Triac Power Control Circuit Trainer Kit: Triac Power Control Circuit	5
31.	Flip-Flop Trainer kit	1
32.	D/A Converter (R-2R) Logic Trainer Kit: 8-bit Digital to Analog Converter using R-2R Network and Ladder Network; 8-bit Binary Counter, Summing Amplifier, 1KHz TTL Clock, 8 Logic input switches, 8 Logic Status indicators	1
33.	A/D Converter (SA Type) Logic Trainer Kit: Analog to Digital converter using SA	1
34.	USART 8251: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3
35.	8259 PIC Interface: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3
36.	8255 PPI: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3
37.	8279 LCD display and keyboard: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3
38.	RS-232 Cable	1
39.	Digital L.C.R meter: power source 9v-24v,42.5Hz,battery life 30hr	2

Note:All the items shall carry OEM warranty of at least one year.

Terms & Conditions:

1. Online Bids are invited to supply and install various lab equipment at Polytechnic Darbhanga under two bid systems. The online bid (both Technical bid and financial bid) should be uploaded by the bidder before due date and time.
2. The documents may be downloaded free of cost from CPPP site <https://eprocure.gov.in> and also from the University website www.manuu.ac.in.
3. The technical bid should be duly filled online as per CPPP process along with requisite supporting documents. (Non Receipt / Incomplete details will lead to rejection of Tender).
4. The Technical and Financial bids should be uploaded as per e-procurement method, otherwise it will be rejected.
5. This Request for Proposal (RFP) is issued with no financial commitment and the Buyer (MANUU) reserves the right to change or vary any part thereof or foreclose the



PURCHASE & STORES SECTION

procurement process at any stage. The Buyer also reserves the right to disqualify any vendor, should it be necessary, at any stage.

6. Procedure for submission of Bids:

- As per standard online e-procurement system through NIC's CPP Portal.
- Furnishing of Bids: Bids should be submitted by bidders through online only, furnishing details as indicated in the tender.

7. Bids will be opened online only

Instructions for filling up BOQ (Online Only)

Name of the Bidder/ Bidding Firm / Company :									
PRICE SCHEDULE									
(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)									
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)									
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST Amount on Item Qty x Basic Rate in INR	TOTAL AMOUNT Without Taxes col (13) = (4) x (7) in Rs. P	TOTAL AMOUNT With Taxes col (14) = sum (8) to (13) in Rs. P	TOTAL AMOUNT In Words	
1	2	4	5	7	9	13	14	15	

Name of the firm

Unit Price (in Rupees) without GST

Total GST amount (in Rupees) i.e. Qty. x unit price x GST%

8. Modification and Withdrawal of Bids: The bidder may modify or withdraw his bid through online before the last date for submission of the Bids.

9. The Tender Document should be signed by the tenderer on each page, affix the office stamp and to be uploaded along with the bid online, otherwise the bid will be rejected. No tender will be accepted after the date of opening and time as specified in the tender enquiry for any other reasons.

10. Prices are to be quoted both in figures and in words. In case of a discrepancy, that quoted amount in words/lowest amount will be taken as valid. The quotation should be valid for a minimum period of 60 days from the closing date of tender.

11. The bidders shall have to ascertain the exact percentage of GST applicable on each of the items while quoting the rates in the financial bid (Annexure-2). In case of discrepancy/difference of opinion on GST rates, the University shall decide the lowest quotation on verification of the relevant rules of the GST Act vis-à-vis supporting documents provided by the bidders in respect of the claim for the GST. The decision of the University shall be final and binding in this regard.



PURCHASE & STORES SECTION

12. The bids should be submitted as per ~~Annexure-1(Technical Bid)~~ to fulfil the eligibility criteria and **Annexure – 2 (Financial Bid)** for evaluation of price quoted for the items as per the specifications mentioned.
13. The Technical bid will be opened first to ascertain the eligibility as per **pre-qualification criteria**. The following is the eligibility criteria for the technical bid.
- A) The bidder must have achieved the minimum average annual turnover of Rs. **2,80,000/-** in supply of the similar items during the last three financial years.
- B) In addition to the above, the bidder must have supplied the;
- i. Similar items on three Purchase Orders worth Rs. **3,80,000/-** each
Or
- ii. Similar items on two Purchase Orders worth Rs. **4,70,000/-** each
Or
- iii. Similar items on one Purchase Order worth Rs. **7,60,000/-** each
During the preceding 5 years period between 01.01.2012 to 31.12.2017
- C) Specification: the firm shall comply with the all specifications mentioned against each item in the tender document / financial bid.
14. The financial bids of only qualified technical bidders shall be opened by the authorised officers of the University. Evaluation of the Financial Bid shall be done item wise for which the bidders are declared technically qualified as per eligibility criteria prescribed at clause 13.
15. The quantity included in the bid can be increased or decreased at the discretion of the Competent Authority of Maulana Azad National Urdu University Hyderabad, while issuing the purchase order. The University reserves the right to issue supplementary purchase order upto 25% of the bid value within three months from the date of Award of Contract on the same price and terms & conditions.
16. The supply of said items has to be made within a period of **four weeks** from the date of award of contract (AOC).
- i) Failure to supply the material within the stipulated period shall entitle the Procuring Entity (MANUU) for imposition of penalty @ 1/2% (half percent) per day on the total value of the late supplied item(s) covered in the purchase order, subject to a maximum of 5% (five percent) of the total value of the purchase order after expiry of the stipulated time period of the supply unless extension is obtained in writing from the office on valid ground before expiry of delivery period.
- ii) If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained thereby would be recovered from the defaulting supplier.
17. Conditional and incomplete bids will be rejected summarily.



PURCHASE & STORES SECTION

18. ~~The University reserves all the rights to place the Award of Contract items wise with the firm quoting L-1 rates and complying with all the specification. In case, if two or more number of firms quote the same rate, the decision of the University in this regard will be final and abiding.~~
19. The firm should upload the scanned copy of the EMD of Rs. 47,000/- in the form of DD/ Fixed Deposit Receipt / Bank Guarantee in favour of MANUU payable at Hyderabad and furnish the original instrument of EMD (DD/FDR/BG) in an envelope which shall be addressed to The Asst. Registrar, Purchase & Store Section, Admin Building, Maulana Azad National Urdu University, Gachibowli, Hyderabad-32 on or before closing date & time of the tender. Exemption from submission of EMD will be considered as per GoI norms on production/ uploading of documentary proof, failing which the bid will be rejected, along with the Technical bid. The EMD of the unsuccessful bidders will be returned within 60 days after closing date of the bid or 30 days after finalizing the bid. The EMD of the successful bidder will be returned on submission of Performance Security.
20. The selected firms should submit 10% value of Award of Contract (AOC) as Performance Security in the form of D.D/ Fixed Deposit Receipt / Bank Guarantee in favour of MANUU payable at Hyderabad which would be released (without interest) after supply of material as per specifications and after fulfilling of all tender obligations. In case, the goods supplied are under warranty, the 10% Performance Security will be released after 60 days after completion of Warranty period without any Interest.
21. MANUU also reserves its right to seek any document before opening of financial bid and seek clarification / confirmation on the supporting documents submitted by the bidder from the agency(ies) issuing such document(s).
22. The University reserves the right to extend the date of submission of online bid, reject or accept any tender without assigning any reason or cancel or withdraw the tender notice at stage of the tender.
23. **Payment:** 100% payment after receipt of the goods, inspection, installation (if any) at concerned office site in good condition and acceptance by the consignee, within 30 (thirty) days provided the successful bidder has furnished the 10% Performance Guarantee.
24. MANUU GSTIN: 36HYDM03116B1DT.
25. The items being procured are exclusively for the Academic & Research purpose only.
26. In case of any dispute, Hyderabad will be the Jurisdiction. The Registrar, Maulana Azad National Urdu University, Hyderabad shall decide the issue and his decision will be final and shall be binding on the both parties.


Registrar

Maulana Azad National Urdu University
Gachibowli, Hyderabad- 500032



Annexure-1 (Technical Bid)

1.	Name of Firm						M/s.
	Postal Address						
	Contact No (s)						
	E-mail ID						
	Account Number						
	Name of the Account Holder / Firm / Agency						
	Bank Name						
	Branch Name & Details						
	IFSC Code						
2.	Details of EMD of Rs. 47,000/- (Suppliers registered with MSME NSIC, N.C.C.F, Kendriya Bhandar etc as per Gof norms will only be considered for exemption on production of documentary proof, failing which the bid will be rejected) The EMD shall be submitted at Purchase & Stores Section before closing date.						D.D. No. _____ dated: _____ Bank _____ (upload documentary proof if exemption is claimed)
3.	GST / Firm Registration						(upload GST / firm registration certificate)
4.	Fulfilling Pre-qualification criteria as per clause no 13 (A)						(Yes / No) (upload Documentary proof)
	Fulfilling Pre-qualification criteria as per clause no 13 (B)						(Yes / No) (upload Documentary proof)
	Compliance Report of Each Item as per clause no. 13(C)						Upload compliance report of item (s) quoted in detail
	Name of the item	Specification as per Tender	Specification quoted	Warranty	Brand & Model quoted	Deviation (if any)	
5.	Signed copy of the tender document						(Yes / No) (upload signed & stamped tender document)

- Declaration:**
- that we have not been debarred by any Government Department/Under taking.
 - That the firm has carefully read and understood the tender document and **agrees with all the terms and conditions** of the tender,
 - We agreed that the decision of the University shall be final in all respect.

Place :

Date :2018

Signature of the authorized
Dealer/signatory of the firm with stamp



(To be filled Online only as per the CPPP format)

Name of the Bidder/ Bidding Firm / Company :								
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY) (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in	GST Amount on Item Qty x Basic Rate in INR	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
				Rs. P	Rs. P	col (13) = (4) x (7) in Rs. P	col (14) = sum (8) to (13) in Rs. P	
1	2	4	5	7	9	13	14	15
1	Equipments for ECE Lab							
1.1	L.C.R Meter: power source 9v-24v,42.5Hz,battery life 30hr min	5	Nos			0.00	0.00	INR Zero Only
1.2	Loud Speaker: 41 Hz 89 db 4 to 8 ohm impedance,25 to 100w	5	Nos			0.00	0.00	INR Zero Only
1.3	8086 Microprocessor Trainer Kit: Works with either 8086 CPU, operations on a single +5V power supply, in standalone mode using on-board keypad or from a PC Compatible system through its RS 232-C interface, Provision for on board NDP 8087, System monitor permits entry of programs, debugging through breakpoint and instruction step facilities, Built in one line assembler/ disassembler, Support for a variety of interface modules, Windows driver with user friendly debugging environment, Compatible power adapter for kit only	2	Nos			0.00	0.00	INR Zero Only
1.4	AM Modulator & Demodulator Trainer Kit :”Generation and Detection of AM	5	Nos			0.00	0.00	INR Zero Only
1.5	FM Modulator & Demodulator Trainer Kit: Generation and Detection of AM AM/FM trainee Kit	5	Nos			0.00	0.00	INR Zero Only
1.6	AM receiver Trainer kit Radio receiver Trainer kit: AM/ FM Trainer Kit	5	Nos			0.00	0.00	INR Zero Only
1.7	Digital IC tester : TTL IC Tester (74LS00 Series)	1	Nos			0.00	0.00	INR Zero Only
1.8	Linear IC tester : Linear IC tester 741/555	1	Nos			0.00	0.00	INR Zero Only
1.9	Resonance Trainer kit : Series and Parallel resonance	5	Nos			0.00	0.00	INR Zero Only
1.10	Thevenin’s theorem trainer kit : Verification of Thevenin’s theorem	5	Nos			0.00	0.00	INR Zero Only



PURCHASE & STORES SECTION

1.11	Super Position theorem trainer kit: Verification of Super Position theorem	5	Nos			0.00	0.00	INR Zero Only
1.12	Maximum power transfer theorem trainer kit: Verification of Maximum power transfer	5	Nos			0.00	0.00	INR Zero Only
1.13	Differentiator and Integrator circuits trainer kit : Differentiator and Integrator circuits	5	Nos			0.00	0.00	INR Zero Only
1.14	Decade Resistor Box: 1 Ohm -1Mega ohm in 6 decades	1	Nos			0.00	0.00	INR Zero Only
1.15	Decade Inductor Box: 10 Micro Henry -1000milli Henry in 5 decades	3	Nos			0.00	0.00	INR Zero Only
1.16	Decade Capacitor Box: 100Pf -10micro farad in 5 decades	3	Nos			0.00	0.00	INR Zero Only
1.17	ASK Modulator & Demodulator Trainer Kit: Generation and Detection of Amplitude Shift keying Modulation and Demodulation	4	Nos			0.00	0.00	INR Zero Only
1.18	FSK Modulator & Demodulator Trainer Kit: Generation and Detection of Frequency Shift keying Modulation and Demodulation	4	Nos			0.00	0.00	INR Zero Only
1.19	PSK Modulator & Demodulator Trainer Kit: Generation and Detection of Phase Shift keying Modulation and Demodulation	4	Nos			0.00	0.00	INR Zero Only
1.20	PCM Modulator & Demodulator Trainer Kit: Generation and Detection of Pulse Code Modulation	4	Nos			0.00	0.00	INR Zero Only
1.21	Time Division Multiplexing / De-multiplexing: Generation and Detection of Time Division Multiplexing and Demultiplexing	4	Nos			0.00	0.00	INR Zero Only
1.22	Optical Fibre Trainer Kit: LASER Diode, Optical Transmitter	4	Nos			0.00	0.00	INR Zero Only
1.23	DTH Antenna set: Study the DTH antenna and connect he DTH antenna to the TV	1	Nos			0.00	0.00	INR Zero Only
1.24	Colour TV Demo set: 21' Colour TV set with trainer system and DTH set	1	Nos			0.00	0.00	INR Zero Only
1.25	Decade Capacitance Box: 100Pf -10micro farad in 5 decades	2	Nos			0.00	0.00	INR Zero Only
1.26	Decade Inductance Box: 10 Micro Henry -1000 milli Henry in 5 decades	2	Nos			0.00	0.00	INR Zero Only
1.27	UJT Relaxation Oscillator circuit Trainer Kit: UJT Relaxation Oscillator circuit	5	Nos			0.00	0.00	INR Zero Only
1.28	Study of Simple Inverter Circuit Trainer Kit: Study of Simple Inverter Circuit	5	Nos			0.00	0.00	INR Zero Only
1.29	SCR Circuit to Drive Small	5	Nos			0.00	0.00	INR Zero Only



PURCHASE & STORES SECTION

	Loads (AC & DC) Trainer Kit: SCR Circuit to Driver Small Loads (AC & DC)							
1.30	Triac Power Control Circuit Trainer Kit: Triac Power Control Circuit	5	Nos			0.00	0.00	INR Zero Only
1.31	Flip-Flop Trainer kit	1	Nos			0.00	0.00	INR Zero Only
1.32	D/A Converter (R-2R) Logic Trainer Kit: 8-bit Digital to Analog Converter using R-2R Network and Ladder Network; 8-bit Binary Counter, Summing Amplifier, 1KHz TTL Clock, 8 Logic input switches, 8 Logic Status indicators	1	Nos			0.00	0.00	INR Zero Only
1.33	A/D Converter (SA Type) Logic Trainer Kit: Analog to Digital converter using SA	1	Nos			0.00	0.00	INR Zero Only
1.34	USART 8251: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3	Nos			0.00	0.00	INR Zero Only
1.35	8259 PIC Interface: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3	Nos			0.00	0.00	INR Zero Only
1.36	8255 PPI: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3	Nos			0.00	0.00	INR Zero Only
1.37	8279 LCD display and keyboard: Interface box for 8051 from ALS SDA-51-MEL ,Version 2.0	3	Nos			0.00	0.00	INR Zero Only
1.38	RS-232 Cable	1	Nos			0.00	0.00	INR Zero Only
1.39	Digital L.C.R meter: power source 9v-24v,42.5Hz,battery life 30hr	2	Nos			0.00	0.00	INR Zero Only
Total in Figures						0.00	0.00	INR Zero Only
Quoted Rate in Words								