

مولانا آزاد نیشنل اردو یونیورسٹی

MAULANA AZAD NATIONAL URDU UNIVERSITY

(A Central University established by an Act of Parliament in 1998)

Industrial Training Institute

CA site No. 2(P), 1st Main Road, Jnana Bharathi layout, 3rd Block,
Valgerahalli, R.V. Post, Bangalore – 560059. Ph. 080-23181726



Open Tender

Tender Notification No: MANUU/ITI/BLR/F.53 /2015-16/221 Date:

Sealed tenders are invited from Govt. organizations / original manufacturers / authorized dealers / reputed firms for supply and installation of Tools and Equipment of Mechanic Refrigeration & Air Conditioning (MRAC) and Electronics Mechanic Trades, and Furniture at MANUU-ITI, Bangalore. The tender document can be obtained from the MANUU ITI, Bangalore against the tender application cost through DD (as stated below) drawn in favour of "MANUU" payable at Hyderabad. The tender application may also be downloaded from MANUU website: www.manuu.ac.in. The filled-in tender shall be accompanied with requisite EMD and tender application cost (in case of downloaded form).

Sl No	Tender Documents	Requirements	Number of pages	Cost of the Tender Application	EMD
01	A	Tools & Equipments for Mechanic Refrigeration & Air Conditioning Trade	1-13	Rs.1000/-	Rs.22000/-
02	B	Tools & Equipments for Electronic Mechanics Trade	1-11	Rs.1000/-	Rs.18000/-
03	C	Furniture	1-8	Rs.1000/-	Rs.10000/-

Last date for receipt of tender:
Date & Timing of opening the Tender:

28-06-2016 by 11:00 a.m
28-06-2016 at 11:30 a.m.

Sd/-
Registrar

مولانا آزاد نیشنل اردو یونیورسٹی
MAULANA AZAD NATIONAL URDU UNIVERSITY
(A Central University established by an Act of Parliament in 1998)
Industrial Training Institute (ITI)
BANGALORE



TENDER DOCUMENT (A)

FOR SUPPLY AND INSTALLATION OF VARIOUS TOOLS/EQUIPMENTS/MACHINERIES OF MECHANIC REFRIGERATION AND AIR CONDITIONING (MRAC) AT ITI, BANGALORE.



**LAST DATE & TIME OF SUBMISSION
OF TECHNICAL-CUM-FINANCIAL BIDS**

**28-06-2016
at 11.00 a.m.**

**DATE & TIME OF OPENING OF
OF TECHNICAL-CUM-FINANCIAL BIDS**

**28-06-2016
at 11:30 a.m.**

TERMS AND CONDITIONS

1. The sealed tenders are invited for the supply and installation Tools/Equipments/Machineries, for Mechanic Refrigeration & Air Conditioning trade at MANUU ITI, Bangalore in sealed envelopes.
2. Bidders must be Original Manufacturers / Government Organization/ authorized dealers/ reputed firm and should have office at Bangalore and agreed to provide service after sale at Bangalore and to furnish the addresses of service centers with telephone number along with technical-cum-financial bid
3. The Govt. firm, ISO/ ISI certified firms/OEM will be preferred; however the firm should enclose valid ISO / ISI certificate, if any.
4. The technical-cum-financial bids (Tools/Equipments/Machinery) should be submitted in separate sealed envelope to the **Principal**, MANUU ITI, CA Site No 2 (P), 1st Main Road, Jnana Bharathi Layout, 3rd Block, Valgerahalli, Bangalore -560059 by 11:00 a.m. on or before **28-06-2016**. Tenders received after due date and time will not be considered. The technical-cum-financial bid will be opened on the same day at 11.30 a.m. in the presence of vendors or their authorized representative. The representative should bring the authorization letter from their vendor to attend the tender opening committee meeting.
5. The filled-in tender form without requisite EMD and tender form cost of Rs. 1,000/- (even if the tender form is downloaded from University Website www.manuu.ac.in) will not be considered and both are to be drawn separately, in favour of MANUU payable at Hyderabad.
6. The Technical-cum-Financial Bid should be accompanied with an EMD as per rule. The EMD of unsuccessful bidders will be returned without any interest. The EMD of the successful bidder will be returned without any interest after the receipt of performance security. The tender form without EMD will not be considered.
7. 90% payment of the purchase order will be released after satisfactory supply, installation of the equipment to the satisfaction of the University/Institute authorities and balance 10% payment will be retained as performance security and later released after completion of warranty period or against submission of the bank guarantee of the same amount (i.e. 10%) to cover the warranty obligations for the supplied equipments. The performance security shall be released after a period of 60 days beyond the warranty period.
8. Unit prices are to be quoted both in figures and in words. In case of a discrepancy, that quoted in words / least will be taken as valid.
9. Detailed specifications, make, model, catalogue/literature of all the items quoted should be supplied with the technical-cum-financial bid. Incomplete Bid / inadequate specification etc., in any respect are liable to be rejected.
10. The bidders must submit the make and model of the equipment being quoted. A list of organizations / agencies to which equipment has been supplied may be furnished along with copies of supply order.
11. The company should indicate the financial turnover during the last three years. Legible photocopy of orders of different organizations booked during the last one year should be attached.
12. The rates quoted in technical-cum-financial bid against each item should be inclusive of all taxes, levies, freight, insurance, transportation, forwarding, installation, labour charges etc.
13. All the equipments should be with onsite comprehensive warranty for minimum period of one year or as per OEM (Original Equipment Manufacturers) warranty period, whichever is later after satisfactory installation and agreed by the University/Institute.
14. The firm should attend the fault within 24 hrs from the booking time and during warranty to attend the fault free of cost.

15. Each firm should clearly specify that the tenderer agrees to abide by the conditions of this tender document on their printed letter head.
16. The firm has to provide training to the Institute staff at free of cost to the satisfaction of the University/Institute.
17. The firm has to quote as per the required specification, however higher configuration can be considered by the University.
18. The supply and installation has to be made within a period of six weeks from the date the issue of Purchase Order by the University/Institute. In case, the firm fails to supply the equipment in the specified time, 0.5% value of the unsupplied items for every week as late supply charges may be deducted from the bill to the maximum of 10% after which the order may be cancelled and Earnest Money deposited will be forfeited.
19. Without any purchase commitment, inspection/demonstration should be arranged in Bangalore at the cost of the supplier for the quoted items. Upon examining the samples, if it is found that the samples are not of requisite specifications or quality is not to the satisfaction of the authorities, the same shall not be considered for purchase even if it corresponds to the least price among all bids.
20. Item offered in the tender can be re-ordered at the same rate, terms & conditions within a period of twelve (12) months.
21. All pages of the tender document are to be signed and stamped by the tendering firm in agreement of the terms and conditions of the tender and attach the same along with the technical-cum-financial bid.
22. The University reserves all rights to reject or accept any tender without assigning any reason or cancel or withdraw the tender notice.
23. If at any time, any question, dispute or difference whatever shall arise between two parties upon or in relation to or in connection with this Tender document, either of the parties may give to the other notice in writing of the existence of such question, dispute or difference and the same shall be referred to two Arbitrators one to be nominated by the First Party and the other to be nominated by the Second Party. Such a notice of the existence of any question dispute or difference in connection with this Tender document shall be served by either party within three months of the beginning of such dispute failing which all rights and claims under this Tender document shall be deemed to have been forfeited and absolutely barred. Before proceeding with the reference the Arbitrators shall appoint/nominate an umpire, in the event of the Arbitrators not agreeing in their award, the Umpire appointed by them shall enter upon the reference and his award shall be binding on the parties. The venue of the arbitration shall be at Hyderabad (Telangana, India). The Arbitrators/Umpire shall give a reasoned award.
24. The provision of the Indian Arbitration Act in force and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this Tender document.
25. Upon every or any such reference, the cost of any incidentals to the reference and award(s) respectively shall be at the discretion of the Arbitrators or in the event of their not agreeing, of the Umpire appointed by them may determine the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall direct by whom and in what manner the same shall be home and paid.
26. The courts at Hyderabad alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out this Tender document. It is specifically agreed that no court outside and other than Hyderabad courts shall have jurisdiction in the matter.

Place: Bangalore
Date:

Sd/-
Registrar
Maulana Azad National Urdu University

A. Requirement and specification of Mechanic Refrigeration and Air Conditioning:

SL No	Item Name	Item Specification	Qty Reqd
1	File	Half round, fine double cut, 200mm, material : SS with wooden handle	13nos
2	File	Round, fine double cut, 200mm, material : SS with wooden handle	9nos
3	File flat	Fine double cut,150mm, material : SS with wooden handle	10nos
4	File square	Fine double cut, 150mm material : SS with wooden handle	14nos
5	File triangular	Fine double cut,200mm, material : SS with wooden handle	17nos
6	Tape measuring	10mtr, material : Steel measuring tape	16nos.
7	Pliers flat nose	150mm, material : SS with rubber insulating	16nos
8	Line tester	Upto240v, length 130 mm, multipurpose digital system.	16nos
9	Tweezers	70mm, material: SS with rubber insulation.	17nos
10	Surface Gauge universal	150mm spindle length, material: cast iron.	4nos
11	Bench vice	300mm jaws, material: cast iron.	10nos
12	Snip sheet	Metal straight nose 200mm, material SS	8nos
13	Snip sheet	Metal curved nose200mm	10nos
14	Anvil	100x 200mm	1no
15	Stakes	[different Types]100mm	1no each
16	Tin smith	400mm, HSS	1no
17	Grover set large	XL size 4mm forming, Leather	1set
18	Electrical drill	Portable drill with chuck and key,1.5 mm to 18mm hammer type	4nos
19	Screw driver	Plastic handle, Flat tip 10mm, Shank steel, crystal green handle.	4nos
20	Soldering iron	Exchangeable copper tip	10nos
21	Voltmeter	AC/DC portable precision grade Digital panel board type 0-500volt, highly efficient optimum performance in single phase.	04nos
22	Ammeter	AC/DC portable precision grade Digital panel board type 0-30amp (size: sq- mm) 96 X 96, accuracy 0.5. 4 LED display in	05nos

		single phase.	
23	Megger	1000v 56 LED memory resolution input speed	4nos
24	Multi meter	Digital type, accuracy : < 3% of arc, 0.0025-25 uF	5nos
25	Tenon saw	With handle 250mm, material HSS, bore (20-25)	5nos
26	Firmer chisel	6,12,25mm, (length)	2nos
27	Rawal plug	Tool kit 6mm	2nos
28	K.W. meter	0-1Kw	4nos
29	Fire extinguisher	2Kg ABC dry	1no
30	Fire buckets	10ltr	4nos
31	D.E spanner	6mm-32mm	4set
32	Ring spanner	6mm-32mm	4set
33	Diagonal cutter	150mm, Material SS with rubber insulation.	5nos
34	Service Oscillator	(frequency 2 Hz to 200 KHz, Four 100 mv-220 v, 50 Hz \pm 10%.	1no
35	C.R.O single beam	5MHz, size 500mm, circle of dia 900 mm.	2nos
36	C.R.O	Dual trace / Double beam vertical amplifier 60MHz	2nos
37	A.F.O	Oscillators	2nos
38	Tong	Close mouth and pick up	1no
39	Swaging tool	Screw type with adaptor set of size for tube 4.7mm to 16mmO.D	4sets
40	Pipe cutter	Miniature for copper tube 3mm to 16mm Dia	3sets
41	Capillary plug	Gauge 0.5mm to 3.2mm	4sets
42	Piercing pliers	Reversing valve with access fitting	4sets
43	Wrench	Adjustable 200mm, material SS	5sets
44	Compound gauge	Digital type dia 63mm with recalibration set screw. Scale vacuum 76mm pr 15Kg/sq.cm	4sets
45	Pipe cutter	Built in reamer and space cutter, for copper tube 3mm -32mm	4nos
46	Pipe / Tube bender	Lever type 3-16mm	1 no each
47	Electric Arc	Welding Machine with Accessories(400amp)	1no
48	Pipe wrench	150mm	4nos

49	Puller	3 legged with flexible arm 300mm	3nos
50	Hand blower	Portable 1/10HP	2nos
51	Tap	Set with matching drills 3mm to 16mm, material HSS	2nos
52	Tap	Set with matching drills ¼” to 5/8”, material HSS	2nos
53	Venire calliper	250mm	1nos
54	Micrometer	Outside measurement	1no
55	Heating	Kit with infrared bulb 200w	1no
56	Plumbing	Hammer weight 200gm	1no
57	Multi meter	Analogue type, 200 mV – 1000 V, frequency 2KHz, test lead, cables.	4nos
58	Tachometer	Digital, multi range with battery 0rpm to 20000rpm, laser contact, battery 1.5V X 4	1no
59	Micron vacuum	Gauge upto 20microns	2nos
60	Sensor thermometer	(digital)-50degree Celsius to 150degree Celsius	2nos
61	Fin straightened/fin comb,	0.05mm – 3mm	3nos
62	Feeler gauge	0.05-1mm	2nos
63	Wire gauge	Metric and with worth converse of British & metric	1no
64	Dial thermometer	Remote control, armored capillary dial 75mm-50C to +50C	2nos
65	Compressors testers	For small hermetic compressors fixed with electrical input/output facilities	2nos
66	Instrumentation screw driver	Set 100mm	5nos
67	Digital weighing machine	Capacity 50 Kgs.	1no
68	Cylinder 134a	Cylinder capacity 10 Kgs.	1no

Instrument and Machinery :

1	Auto Transformer starter	With three phase MCB, fuses with Ammeter and Volt meters	1no
2	D.O.L Starter	LED parameter display 6Wire motor connection with Auto-stop	1no
3	Portable air	LPC brazing kit	1no
4	Refrigerator	120ltr	1no

5	Frost free refrigerator	160ltr	1no
6	Three door refrigerator	220ltr	1no
7	four door refrigerator	300ltr	1no
8	Evacuating and refrigerant charging station	Consist of a)Rotary two stage Vacuum pump and motor (with gas ballast and anti-suck back) b)Manifold with gauges and valves and capable of pulling valves and capable of pulling vacuum up to 50 microns of Hg and with provision of connecting to a microns level vacuum gauge b)Graduated charging cylinder with provision for temperature correction and all necessary isolating valves II) Evacuating and charging station as above but fitted with weighing scale Hydrocarbons charging unit	1no
9	Two stage rotary vacuum pump	Capacity approx. 60- 10rpm capable of evacuating to 50microns of Hg	1no
10	Split A.C	1.5 Ton with R-134a or R-22 reciprocating compressor	1no
11	Recovery unit	With cylinders	1each
12	Cassette Air conditioner	4500Kcal/hr with R-404	1no
13	De-scaling pump set	With stainless steel impeller and housing complete with motor 1/2HP & accessories	1no
14	Fan coil unit	Capacity of 1.2TR	1no
15	Circulating water pump	Capacity (small)	1no
16	Rotary hermetic compressor	134a gas	1no
17	Screw compressor	5Ton	1no
18	Scroll compressor	R-22 gas	1no
19	Package A/C	7.5tons	1no
20	Angle cutting machine	Wheel dia capacity 160mm	1no
21	Fire Extinguisher	5Kg	2nos
22	CAR AC	Tubular model	1Set

Technical-cum-financial bid against requirement (MRAC) in Tender (A): To be utilized by the bidder to quote their prices item wise.

SI No	Items	Qty Reqd	Make & Model	Unit Rate	Tax %	Total Value (Including taxes & all charges etc)	Variation in specification, if any (to be filled by the firm)
1	File, half round, fine double cut, 200mm, material : SS with wooden handle	13nos					
2	File, round, fine double cut, 200mm, material : SS with wooden handle	9nos					
3	File flat, fine double cut, 150mm, material : SS with wooden handle	10nos					
4	File square, fine double cut, 150mm, material : SS with wooden handle	14nos					
5	File triangular fine double cut, 200mm, material : SS with wooden handle	17nos					
6	Tape measuring 10mtr, material : Steel measuring tape	16nos.					
7	Pliers flat nose 150mm, material : SS with rubber insulating	16nos					
8	Line tester upto 240v, length 130 mm, multipurpose digital system.	16nos					
9	Tweezers 70mm, material: SS with rubber insulation.	17nos					
10	Surface Gauge universal 150mm spindle length, material: cast iron.	4nos					
11	Bench vice 300mm jaws, material: cast iron.	10nos					
12	Snip sheet metal straight nose 200mm, material SS	8nos					
13	Snip sheet metal curved nose 200mm	10nos					

14	Anvil 100x 200mm	1no					
15	Stakes [different Types]100mm	1no each					
16	Tin smith 400mm, HSS	1no					
17	Grover set large XL size 4mm forming, Leather	1set					
18	Electrical drill portable drill with chuck and key,1.5 mm to 18mm hammer type	4nos					
19	Screw driver, plastic handle, Flat tip 10mm, Shank steel, crystal green handle.	4nos					
20	Soldering iron exchangeable copper tip	10nos					
21	Voltmeter, AC/DC portable precision grade Digital panel board type 0-500volt, highly efficient optimum performance in single phase.	4nos					
22	Ammeter, AC/DC portable precision grade Digital panel board type 0-30amp (size: sq-mm) 96 X 96, accuracy 0.5. 4 LED display in single phase.	5nos					
23	Megger 1000v 56 LED memory resolution input speed	4nos					
24	Multi meter digital type, digital accuracy : < 3% of arc, 0.0025-25 uF	5nos					
25	Tenon saw with handle 250mm, material HSS, bore (20-25)	5nos					
26	Firmer chisel 6,12,25mm, (length)	2nos					
27	Rawal plug tool kit 6mm	2nos					
28	K.W. meter 0-1Kw	4nos					
29	Fire extinguisher 2Kg ABC dry	1no					
30	Fire buckets 10ltr	4nos					
31	D.E spanner 6-32mm	4set					

32	Ring spanner6-32mm	4set					
33	Diagonal cutter 150mm, Material SS with rubber insulation.	5nos					
34	Service Oscillator (frequency 2 Hz to 200 KHz, Four 100 mv- 220 v, 50 Hz \pm 10%.	1no					
35	C.R.O single beam 5MHz, size 500mm, circle of dia 900 mm.	2nos					
36	C.R.O Dual trace / Double beam vertical amplifier 60MHz	2nos					
37	A.F.O Oscillators	2nos					
38	Tong, close mouth and pick up	1no					
39	Swaging tool, screw type with adaptor set of size for tube 4.7mm to 16mmO.D	4sets					
40	Pipe cutter miniature for copper tube 3mm to 16mm Dia	3sets					
41	Capillary plug gauge 0.5mm to 3.2mm	4sets					
42	Piercing pliers & reversing valve with access fitting	4sets					
43	Wrench adjustable 200mm, material SS	5sets					
44	Compound gauge, Digital type dia 63mm with recalibration set screw. Scale vacuum 76mm pr 15Kg/sq.cm	4ets					
45	Pipe cutter with built in reamer and space cutter, for copper tube3mm -32mm	4nos					
46	Pipe / Tube bender lever type 3- 16mm	1 no each					
47	Electric Arc Welding Machine with Accessories(400amp)	1no					
48	Pipe wrench 150mm	4nos					
49	Puller 3 legged with flexible arm	3nos					

	300mm						
50	Hand blower portable 1/10HP	2nos					
51	Tap set with matching drills 3mm to 16mm, material HSS	2nos					
52	Tap set with matching drills 1/4" to 5/8", material HSS	2nos					
53	Venire caliper 250mm	1nos					
54	Micrometer outside measurement	1no					
55	Heating kit with infrared bulb 200w	1no					
56	Plumbing hammer weight 200gm	1no					
57	Multi meter analogue type, 200 mV – 1000 V, frequency 2KHz, test lead, cables.	4nos					
58	Tachometer digital, multi range with battery 0rpm to 20000rpm, leaser contact, battery 1.5V X 4	1no					
59	Micron vacuum gauge upto 20microns	2nos					
60	Sensor thermometer (digital)- 50degree Celsius to 150degree Celsius	2nos					
61	Fin straightened/fin comb, 0.05mm – 3mm	3nos					
62	Feeler gauge 0.05-1mm	2nos					
63	Wire gauge metric and with worth converse of British & metric	1no					
64	Dial thermometer remote control, armored capillary dial 75mm-50C to +50C	2nos					
65	Compressors testers for small hermetic compressors fixed with electrical input/output facilities	2nos					
66	Instrumentation screw driver set 100mm	5nos					

67	Digital weighing machine , capacity 50 Kgs.	1no					
68	Cylinder 134a, Cylinder capacity 10 Kgs.	1no					
Instrument and Machinery :							
1	Auto Transformer starter with three phase MCB, fuses with Ammeter and Volt meters	1no					
2	D.O.L Starter LED parameter display 6Wire motor connection with Auto-stop	1no					
3	Portable air – LPC brazing kit	1no					
4	Refrigerator 120ltr	1no					
5	Frost free refrigerator 160ltr	1no					
6	Three door refrigerator 220ltr	1no					
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8	Evacuating and refrigerant charging station, consist of a)Rotary two stage Vacuum pump and motor (with gas ballast and anti-suck back) b)Manifold with gauges and valves and capable of pulling vacuum up to 50 microns of Hg and with provision of connecting to a microns level vacuum gauge b)Graduated charging cylinder with provision for temperature correction and all necessary isolating valves II) Evacuating and charging station as above but fitted with weighing scale Hydrocarbons charging unit	1no					
9	Two stage rotary vacuum pump capacity approx. 60- 10rpm capable of evacuating to 50microns of Hg	1no					
10	Split A.C ,1.5 Ton with R-134a or R-22 reciprocating compressor	1no					

11	Recovery unit with cylinders	1each						
12	Cassette Air conditioner ,4500Kcal/hr with R-404	1no						
13	De-scaling pump set, with stainless steel impeller and housing complete with motor 1/2HP & accessories	1no						
14	Fan coil unit	1no						
15	Circulating water pump (small)	1no						
16	Rotary hermetic compressor 134a gas	1no						
17	Screw compressor 5Ton	1no						
18	Scroll compressor R-22 gas	1no						
19	Package A/C 7.5tons	1no						
20	Angle cutting machine	1no						
21	Fire Extinguisher 5Kg	2nos						
22	CAR AC tubular model	1Set						
Total Value: (in words) -----								

Declaration: It is hereby declared that the firm has carefully read and understood the tender document and hereby agrees with all the clauses, terms and conditions therein.

Place:
Date: 2016

Authorized signatory of
the firm along with seal

مولانا آزاد نیشنل اردو یونیورسٹی
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TENDER DOCUMENT (B)

*FOR SUPPLY AND INSTALLATION OF VARIOUS TOOLS/EQUIPMENTS/MACHINERIES OF
ELECTRONIC MECHANICS AT ITI, BANGALORE.*



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22. The University reserves all rights to reject or accept any tender without assigning any reason or cancel or withdraw the tender notice.
23. If at any time, any question, dispute or difference whatever shall arise between two parties upon or in relation to or in connection with this Tender document, either of the parties may give to the other notice in writing of the existence of such question, dispute or difference and the same shall be referred to two Arbitrators one to be nominated by the First Party and the other to be nominated by the Second Party. Such a notice of the existence of any question dispute or difference in connection with this Tender document shall be served by either party within three months of the beginning of such dispute failing which all rights and claims under this Tender document shall be deemed to have been forfeited and absolutely barred. Before proceeding with the reference the Arbitrators shall appoint/nominate an umpire, in the event of the Arbitrators not agreeing in their award, the Umpire appointed by them shall enter upon the reference and his award shall be binding on the parties. The venue of the arbitration shall be at Hyderabad (Telangana, India). The Arbitrators/Umpire shall give a reasoned award.
24. The provision of the Indian Arbitration Act in force and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this Tender document.
25. Upon every or any such reference, the cost of any incidentals to the reference and award(s) respectively shall be at the discretion of the Arbitrators or in the event of their not agreeing, of the Umpire appointed by them may determine the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall direct by whom and in what manner the same shall be home and paid.
26. The courts at Hyderabad alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out this tender document. It is specifically agreed that no court outside and other than Hyderabad courts shall have jurisdiction in the matter

Place: Bangalore

Date:

Sd/-
Registrar
Maulana Azad National Urdu University

B. Requirement Electronic Mechanic:

Tools :			
SL No	Item Name	Item Specification	Qty Reqd.
1	Neon tester	500volts.	6 nos
2	Soldering iron	25 W. 240 V.	10 nos
3	Digital Multi meter	With probes	7 nos
4	Soldering Iron	Changeable bit 10watts	6 nos
5	De- soldering	Pump with diameter 20mm	10 nos
6	Steel measuring tape	3m	4 nos
7	Crimping tool	(pliers)	2 nos
8	Magneto spanner	Set with bits Size:8mm-32mm	2 nos
9	File flat	200mm bastard	2 nos
10	flat pliers	100mm	4 nos
11	round Nose pliers	100mm	4 nos
12	Tubular box spanner	(set of 6Nos)	1 no
13	First aid	Kit	1no
14	Fire Extinguisher	1.5kg	1no
15	Crimping tools	Necessary for performing terminations	1no
16	Precision set	Screw drivers T5,T6,T7	2no
General Instrument and Machinery :			
1	Magnifying lenses	75mm steel cover handle	2 nos
2	Hand Drill Machine	1.5mm to 18mm hammer type	1 no
3	Dual DC regulated power supply	30-0-30 V, 2 Amps	4 nos
4	LCR meter	(Digital)	1 no
5	CRO Dual Trace	20 MHz (component testing facilities) Input Impedance: 1mΩ±2%, 25pF±-3pF Sensitivity: 5mV-5V Input: 400V	2 no's

6	Signal Generator	0-100 KHz	2 no's
7	Battery Charger	Input: 120Vac, 60Hz, 240Vac, 50Hz	1 no
8	Function generator	DC Range; +5V to -5V Lower frequency; 1Hz of the 0.1 or 0.2Hz Upper frequency limit; 1MHz upto 20MHz (Triangular, square and sine wave)	1 no
9	Dimmer start	3Amps	2 no's
10	Analog Component	Trainer	4 no's
11	Op Amps (Operational Amplifier)	Trainer with 240V, 50Hz	3 no's
12	Digital IC Trainer DC Power Supply	5 V I 500 mA	3 no's
13	Digital and Analog Bread Board Trainer	400pin non-solder able	6 no's
14	POWER ELECTRONICS TRAINER	With at least 6 no's of onboard applications	4 no's
15	Computer	In the assembled form (including cabinet, Intel core i7, pre load operating system motherboard, HDD 200GB, Ram 4GB, DVD 8X rewriter , graphics accelerator card, Monitor 390MT, KB, Mouse, LAN card, Blue-Ray drive and player), MS Office education version.	4 no's
16	Laptops latest configuration	15.6inch, 4GB DDR3, 500GB HD, Core i7, 1GB AMD 7670M GFX	1 no
17	Electronic circuit simulation	Software with 6 user licenses linear & non linear simulation	1 no
18	DSO(colour)	20MHz, TFT colour display , 2 in 1 DSO + multi meter	1 no
19	Soldering & De soldering Station		1no
20	SMD Soldering & De soldering Station	With necessary accessories	2nos
21	DOL starter	LED parameter display 6Wire motor connection with Auto-stop	1 no
22	AC motor	1/4 HP	1 no
23	ELECTRICAL TRAINER FITTED WITH RESOURCES MENTION	AT SL.NO(DOL starter, contactors, relays, MCB, Motor suitable for electrical control circuit exercises)	2nos
24	PAM, PPM, PWM	Trainer kit	1no

25	Microcontrollers kits	(8051) along with programming software (Assembly level programming)	4nos
26	Microcontrollers kits	For 6 different applications	1no
27	Sensor trainer kit	(containing various sensors like Thermocouple, RTD, Thermocouple, Load cell, strain gauge, LVDT, smoke sensors, speed sensor)	2 no's
28	Fiber optic communication trainer	0-10V D.C at 10mA, continuously variable regulated power supply with low ripple & hum and integral current limiting resistor	2nos
29	Seven segment	DPM	6 nos
30	LCD	Based DPM	6 nos
31	SMPS	Different make +/-34VDC output	4nos
32	UPS trainer	Input :190 to 260 V 10%, 50 Hz Output : 230 V	1 no
33	UPS	3KVA with backup time minimum 30 minutes	1 no
34	Mobile phone	(different models)at least one 3G mobile	3nos
35	Smart phones	Of different make (android/ windows), android with inbuilt 1GB ram memory, back camera 8Mp,front 3.2Mp, Windows With inbuilt 2GB ram memory, back camera 5Mp,front 3.2Mp,	4 no
36	Cell phone	Power source with charger chords for different cell phones WB display	1 no
37	LCD TV	(Trainer kit)	1no
38	LCD TV	(21")	2 nos
39	LED TV	(Trainer kit)	1 no
40	Home theatre system	32000W	1no
41	Solar power	Inverter 500volts/amps	1no
42	Projector with Screen	Full HD resolution of standard HD with USB 2.0 convenient and browse, digital media(picture, music & video file) form USB	1no
43	Printer	All in one , Copy, Scan, Printer page capacity up to 2000copies, pages per minute 14nos, size sheet	1no

Consumable Items			
1	Different types of Analog electronic components, digital ICs, power electronic components, general purpose PCBs, bread board, MCB, ELCB	ICs: 6pins, 8pins, etc Power electronic components: Switches, Sockets, PCBs: 3mm thickness MCB: 16amps, 32amps	21set each
2	Different types of electronic and electrical cables, connectors, sockets, terminations		21set each

Technical-cum-financial bid against requirement (Electronic Mechanics) in Tender (B): To be utilized by the bidder to quote their prices item wise.

SI No	Items	Qty Reqd	Make & Model	Unit Rate	Tax %	Total Value (Including taxes & all charges etc)	Variation in specification, if any (to be filled by the firm)
1	Neon tester 500volts.	6 nos					
2	Soldering iron 25 W. 240 V.	10 nos					
3	Digital Multimeter with probes	7 nos					
4	Soldering Iron Changeable bit 10watts	6 nos					
5	De- soldering pump with diameter 20mm	10 nos					
6	Steel measuring tape 3m	4 nos					
7	Crimping tool (pliers)	2 nos					
8	Magneto spanner set with bits	2 nos					
9	File flat 200mm bastard	2 nos					
10	100mm flat pliers	4 nos					
11	100mm round Nose pliers	4 nos					
12	Tubular box spanner (set of 6Nos)	1 no					
13	First aid kit	1no					
14	Fire Extinguisher 1.5kg	1no					
15	Crimping tools as necessary for performing terminations mentioned week no 17-21	1no					
16	Precision set of screw drivers T5,T6,T7	2no					
General Instrument and Machinery :							
1	Magnifying lenses 75mm steel cover handle	2 nos					
2	Hand Drill Machine 1.5mm to 18mm hammer type	1 no					
3	Dual DC regulated power supply 30-0-30 V, 2 Amps	4 nos					

4	LCR meter (Digital)	1 no					
5	CRO Dual Trace 20 MHz (component testing facilities)	2 no's					
6	Signal Generator, 0-100 KHz	2 no's					
7	Battery Charger	1 no					
8	Function generator (Triangular, square and sine wave)	1 no					
9	Dimmer start 3Amps	2 no's					
10	Analog Component Trainer	4 no's					
11	Op Amp trainer	3 no's					
12	Digital IC Trainer DC Power Supply 5 V I 500 mA	3 no's					
13	Digital and Analog Bread Board Trainer 400pin non-solder able	6 no's					
14	POWER ELECTRONICS TRAINER with at least 6 no's of onboard applications	4 no's					
15	Computers in the assembled form (including cabinet, Intel core i7, pre load operating system motherboard, HDD 200GB,Ram 4GB, DVD 8X rewriter , graphics accelerator card, Monitor 390MT, KB, Mouse, LAN card, Blue-Ray drive and player), MS Office education version.	4 no's					
16	Laptops latest configuration, 15.6inch, 4GB DDR3, 500GB HD, Core i7, 1GB AMD 7670M GFX	1 no					
17	Electronic circuit simulation software with 6 user licenses linear & non linear simulation	1 no					
18	DSO(colour) 20MHz, TFT colour display , 2 in 1 DSO + multi meter	1 no					
19	Soldering & De soldering Station	1no					
20	SMD Soldering & De soldering Station with necessary accessories	2nos					
21	DOL starter LED parameter display 6Wire motor connection with Auto- stop	1 no					

22	AC motor 1/4 HP	1 no					
23	ELECTRICAL TRAINER FITTED WITH RESOURCES MENTION AT SL.NO(DOL starter, contactors, relays, MCB, Motor suitable for electrical control circuit exercises)	2nos					
24	PAM, PPM, PWM, trainer kit	1no					
25	Microcontrollers kits (8051) along with programming software (Assembly level programming)	4nos					
26	Application kits for Microcontrollers 6 different applications	1no					
27	Sensor trainer kit (containing various sensors like Thermocouple, RTD, Thermocouple, Load cell, strain gauge, LVDT, smoke sensors, speed sensor)	2 no's					
28	Fiber optic communication trainer 0-10V D.C at 10mA, continuously variable regulated power supply with low ripple & hum and integral current limiting resistor	2nos					
29	Seven segment DPM	6 nos					
30	LCD based DPM	6 nos					
31	SMPS of different make +/-34VDC output	4nos					
32	UPS trainer Input :190 to 260 V 10%, 50 Hz Output : 230 V	1 no					
33	UPS 3KVA with backup time minimum 30 minutes	1 no					
34	Mobile phone(different models)at least one 3G mobile	3nos					
35	Smart phones of different make (android/ windows), android with inbuilt 1GB ram memory, back camera 8Mp,front 3.2Mp, Windows With inbuilt 2GB ram memory, back camera 5Mp,front 3.2Mp,	4 no					
36	Cell phone power source with charger chords for different cell phones WB display	1 no					

37	LCD TV (Trainer kit)	1no					
38	LCD TV (21'')	2 nos					
39	LED TV (Trainer kit)	1 no					
40	Home theatre system 32000W	1no					
41	Solar power inverter 500volts/amps	1no					
42	Projector with Screen, Full HD resolution of standard HD with USB 2.0 convenient and browse, digital media(picture, music & video file) form USB	1no					
43	Printer all in one , Copy, Scan, Printer page capacity up to 2000copies, pages per minute 14nos, size sheet	1no					
Consumable Items							
1	Different types of Analog electronic components, digital ICs, power electronic components, general purpose PCBs, bread board, MCB, ELCB	21set each					
2	Different types of electronic and electrical cables, connectors, sockets, terminations	21Set each					
Total Value: (in words) -----							

Declaration: It is hereby declared that the firm has carefully read and understood the tender document and hereby agrees with all the clauses, terms and conditions therein.

Place:
Date: 2016

Authorized signatory of
the firm along with seal

مولانا آزاد نیشنل اردو یونیورسٹی
MAULANA AZAD NATIONAL URDU UNIVERSITY
(A Central University established by an Act of Parliament in 1998)
Industrial Training Institute (ITI)
BANGALORE



TENDER DOCUMENT (C)

FOR SUPPLY OF VARIOUS FURNITURE AT ITI, BANGALORE



***LAST DATE & TIME OF SUBMISSION
OF TECHNICAL-CUM- FINANCIAL BIDS***

***28-06-2016
at 11.00 a.m.***

***DATE & TIME OF OPENING OF
OF TECHNICAL-CUM- FINANCIAL BIDS***

***28-06-2016
at 11:30 a.m.***

TERMS AND CONDITIONS

1. The sealed tenders are invited for the supply and installation furniture at MANUU ITI, Bangalore in sealed envelopes.
2. Bidders must be Original Manufacturers / Government Organization/ authorized dealers/ reputed firm and should have office at Bangalore and agreed to provide service after sale at Bangalore and to furnish the addresses of service centers with telephone number along with technical-cum-financial bid
3. The Govt. firm, ISO/ ISI certified firms/OEM will be preferred; however the firm should enclose valid ISO / ISI certificate, if any.
4. The technical-cum-financial bids (furniture) should be submitted in separate sealed envelope to the **Principal**, MANUU ITI, CA Site No 2 (P), 1st Main Road, Jnana Bharathi Layout, 3rd Block, Valgerahalli, Bangalore -560059 by 11:00 a.m. on or before **28-06-2016**. Tenders received after due date and time will not be considered. The technical-cum-financial bid will be opened on the same day at 11.30 a.m. in the presence of vendors or their authorized representative. The representative should bring the authorization letter from their vendor to attend the tender opening committee meeting.
5. The filled-in tender form without requisite EMD and tender form cost of Rs. 1,000/- (even if the tender form is downloaded from University Website www.manuu.ac.in) will not be considered and both are to be drawn separately, in favour of MANUU payable at Hyderabad.
6. The Technical-cum-Financial Bid should be accompanied with an EMD as per rule. The EMD of unsuccessful bidders will be returned without any interest. The EMD of the successful bidder will be returned without any interest after the receipt of performance security. The tender form without EMD will not be considered.
7. 90% payment of the purchase order will be released after satisfactory supply, installation of the furniture to the satisfaction of the University/Institute authorities and balance 10% payment will be retained as performance security and later released after completion of warranty period or against submission of the bank guarantee of the same amount (i.e. 10%) to cover the warranty obligations for the supplied equipments. The performance security shall be released after a period of 60 days beyond the warranty period.
8. Unit prices are to be quoted both in figures and in words. In case of a discrepancy, that quoted in words / least will be taken as valid.
9. Detailed specifications, make, model, catalogue/literature of all the items quoted should be supplied with the technical-cum-financial bid. Incomplete Bid / inadequate specification etc., in any respect are liable to be rejected.
10. The bidders must submit the make and model of the equipment being quoted. A list of organizations / agencies to which equipment has been supplied may be furnished along with copies of supply order.
11. The company should indicate the financial turnover during the last three years. Legible photocopy of orders of different organizations booked during the last one year should be attached.
12. The rates quoted in technical-cum-financial bid against each item should be inclusive of all taxes, levies, freight, insurance, transportation, forwarding, installation, labour charges etc.
13. All the equipments should be with onsite comprehensive warranty for minimum period of one year or as per OEM (Original Equipment Manufacturers) warranty period, whichever is later after satisfactory installation and agreed by the University/Institute.
14. The firm should attend the fault within 24 hrs from the booking time and during warranty to attend the fault free of cost.

15. Each firm should clearly specify that the tenderer agrees to abide by the conditions of this tender document on their printed letter head.
16. The firm has to provide training to the Institute staff at free of cost to the satisfaction of the University/Institute.
17. The firm has to quote as per the required specification, however higher configuration can be considered by the University.
18. The supply and installation has to be made within a period of six weeks from the date the issue of Purchase Order by the University/Institute. In case, the firm fails to supply the equipment in the specified time, 0.5% value of the unsupplied items for every week as late supply charges may be deducted from the bill to the maximum of 10% after which the order may be cancelled and Earnest Money deposited will be forfeited.
19. Without any purchase commitment, inspection/demonstration should be arranged in Bangalore at the cost of the supplier for the quoted items. Upon examining the samples, if it is found that the samples are not of requisite specifications or quality is not to the satisfaction of the authorities, the same shall not be considered for purchase even if it corresponds to the least price among all bids.
20. Item offered in the tender can be re-ordered at the same rate, terms & conditions within a period of twelve (12) months.
21. All pages of the tender document are to be signed and stamped by the tendering firm in agreement of the terms and conditions of the tender and attach the same along with the technical-cum-financial bid.
22. The University reserves all rights to reject or accept any tender without assigning any reason or cancel or withdraw the tender notice.
23. If at any time, any question, dispute or difference whatever shall arise between two parties upon or in relation to or in connection with this Tender document, either of the parties may give to the other notice in writing of the existence of such question, dispute or difference and the same shall be referred to two Arbitrators one to be nominated by the First Party and the other to be nominated by the Second Party. Such a notice of the existence of any question dispute or difference in connection with this Tender document shall be served by either party within three months of the beginning of such dispute failing which all rights and claims under this Tender document shall be deemed to have been forfeited and absolutely barred. Before proceeding with the reference the Arbitrators shall appoint/nominate an umpire, in the event of the Arbitrators not agreeing in their award, the Umpire appointed by them shall enter upon the reference and his award shall be binding on the parties. The venue of the arbitration shall be at Hyderabad (Telangana, India). The Arbitrators/Umpire shall give a reasoned award.
24. The provision of the Indian Arbitration Act in force and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this Tender document.
25. Upon every or any such reference, the cost of any incidentals to the reference and award(s) respectively shall be at the discretion of the Arbitrators or in the event of their not agreeing, of the Umpire appointed by them may determine the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall direct by whom and in what manner the same shall be home and paid.
26. The courts at Hyderabad alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out this Tender document. It is specifically agreed that no court outside and other than Hyderabad courts shall have jurisdiction in the matter

Sd/-

Registrar

Maulana Azad National Urdu University

Place: Bangalore

Date:

C) Requirements of Furniture

Sl No	Particulars	Specification	Qty Reqd
1	Principal table	Size: L 1800 x D 900 x H 760mm, Side computer table, mat on table top, with unique pen tray, Provision for CPU. Pullout Keyboard tray, printer in side computer table, Material : Green ply with pre-laminating sheet, Three unit set providing three drawers with locks, wheels etc.	1no
2	Principal chair	High back neck rest, Height adjustable arms, Provided Push back with nylon Base & cushion Five wheel rotatable metal legs with height adjustment	1no
3	Office computer table	Size: L 1200 x D 480 x H 178mm Provided with pullout key board tray, Providing with one drawer & small cupboard at right hand side with locks, Provision for CPU, printer at left hand side. Made from 18mm thick pre-laminating sheet having flat PVC green ply sheet	1no
4	Office computer chair (Rotatable)	Low back density PU molded cushioned sheet and nylon material , Provide with height adjustable arm rests, Providing four wheels legs with height adjustment	1no
5	Executive Office table	Size: L 1800 x D 900 x H 760mm, Frame: Made of 16G, 1" Square pipe, Provision of three draws at right hand side and one small cupboard at left hand side, Drawer has to be with 18G gauge sheet with lockers	2 no's
6	Office Elmira	Size: W 900 x D 500 x H 1950 mm, Material: 18G gauge GI metal sheet, Provision with one locker with four shelves, Lockers to be made with SS materials with four set of keys each locker, CRCA giving anti-corrosion red -oxide coated with spray painted as per ISO, Gray color.	2 no's
7	Filing Cabinet with 4 Drawers	Size: L 460 x W 465 x H 1341mm, Material: 16G (Gauge GI sheet) , One Lockers to provided for fist top drawer, CRCA giving anti-rust red -oxide coated with spray painted as per ISO, Gray color.	2 no's
8	Instructor table	Size: L 1400 x D 700 x H 780mm, Frame: Made of 16G, 1" Square pipe, Provision of three draws at right hand side fixed pedestal with a stationery gap and one small cupboard at left hand side storage compartment, Drawer has to be with 18G gauge sheet with lockers	5 no's
9	Instructor chair	Low back density PU molded cushioned sheet and nylon material, Provide with height adjustable arm rests, Providing four wheel legs with height adjustment	5 no's
10	Class room	Size: L 1400 x D 700 x H 780mm, Top PU pre laminated sheet with 18mm thick at top, Frame has 16G 1" square pipe, Provided	2 no's

	table	single drawer with locker of three key set	
11	Class room chairs	Non-rotatable low back density PU molded cushioned sheet with nylon material, Non movable arms and wheels	2 no's
12	Treble desk with three seats Students classroom	Size: Frame has to be 1½" L- angle in single unit, Provision with books, bags holding system at desk Seating and desk top have to be dry neem tree wood	10 no's
13	Industrial locker-18 lockers (Student locker)	Size: D 480 x L 900 x H 1980mm, Three set of 18 locker keys each, 18G gauge GI sheet, Handles to be provided at each locker , CRCA giving anti-corrosion red –oxide coated with spray painted as per ISO gray color	2 no's
14	pigeon hole cupboard	Size: D 480 x L 900 x H 1980mm, Three set of SS keys , 18G gauge GI sheet, 18 compartments(3 x 6), CRCA giving anti-corrosion red –oxide coated with spray painted as per ISO gray color	4 no's
15	Aluminum ladder	8ft with clamping system with rubber bush's at bottom	1no
16	Green Boards	4 X6ft, ceramic make, aluminum frame	6no's

Technical-cum-Financial bid against Furniture requirement as in Tender(C): To be utilized by the bidder to quote their prices item wise.

SL No	Items with specification	Qty Reqd.	Make & Model	Unit Rate	Tax %	Total Value (Including taxes & all charges etc)	Variation in specification, if any (to be filled by the firm)
1	Principal table: Size: L 1800 x D 900 x H 760mm, Side computer table, mat on table top, with unique pen tray, Provision for CPU. Pullout Keyboard tray, printer in side computer table, Material : Green ply with pre- laminating sheet, Three unit set providing three drawers with locks, wheels etc.	1no					
2	Principal chair: High back neck rest, Height adjustable arms, Provided Push back with nylon Base & cushion Five wheel rotatable metal legs with height adjustment	1no					
3	Office computer table: Size: L 1200 x D 480 x H 178mm Provided with pullout key board tray, Providing with one drawer & small cupboard at right hand side with locks, Provision for CPU, printer at left hand side. Made from 18mm thick pre-laminating sheet having flat PVC green ply sheet	1no					
4	Office computer chair (Rotatable): Low back density PU moulded cushioned sheet and nylon material , Provide with height adjustable arm rests, Providing four wheels legs with height adjustment	1no					
5	Executive Office table: Size: L 1800 x D 900 x H 760mm, Frame: Made of 16G, 1” Square pipe, Provision of three draws at right hand side and one small cupboard at left hand side, Drawer has to be with 18G gauge sheet with lockers	2 no’s					

6	Office Elmira : Size: W 900 x D 500 x H 1950 mm, Material:18G gauge GI metal sheet, Provision with one locker with four shelves, Lockers to be made with SS materials with four set of keys each locker, CRCA giving anti-corrosion red –oxide coated with spray painted as per ISO, Gray colour.	2 no's					
7	Filing Cabinet with 4 Drawers : Size: L 460 x W 465 x H 1341mm, Material: 16G (Gauge GI sheet) , One Lockers to provided for fist top drawer, CRCA giving anti-rust red –oxide coated with spray painted as per ISO, Gray colour.	2 no's					
8	Instructor table: Size: L 1400 x D 700 x H 780mm, Frame: Made of 16G, 1" Square pipe, Provision of three draws at right hand side fixed pedestal with a stationery gap and one small cupboard at left hand side storage compartment, Drawer has to be with 18G gauge sheet with lockers	5 no's					
9	Instructor chair: Low back density PU molded cushioned sheet and nylon material, Provide with height adjustable arm rests, Providing four wheel legs with height adjustment	5 no's					
10	Class room table: Size: L 1400 x D 700 x H 780mm, Top PU pre laminated sheet with18mm thick at top, Frame has 16G 1" square pipe, Provided single drawer with locker of three key set	2 no's					
11	Class room chairs: Non-rotatable low back density PU molded cushioned sheet with nylon material, Non movable arms and wheels	2 no's					
12	Treble desk with three seats Students classroom : Size: Frame has to be 1½" L- angle in single	10 no's					

	unit, Provision with books, bags holding system at desk Seating and desk top have to be dry neem tree wood						
13	Industrial locker-18 lockers (Student locker): Size: D 480 x L 900 x H 1980mm, Three set of 18 locker keys each, 18G gauge GI sheet, Handles to be provided at each locker , CRCA giving anti-corrosion red –oxide coated with spray painted as per ISO gray color	2 no's					
14	Pigeon hole cupboard: Size: D 480 x L 900 x H 1980mm, Three set of SS keys , 18G gauge GI sheet, 18 compartments(3 x 6), CRCA giving anti-corrosion red –oxide coated with spray painted as per ISO gray color	4 no's					
15	Aluminum ladder : 8ft with clamping system with rubber bush's at bottom	1no					
16	Green Boards : 4 X6ft, ceramic make, aluminum frame	6no's					
Total Value: (in words)							

Declaration: It is hereby declared that the firm has carefully read and understood the tender document and hereby agrees with all the clauses, terms and conditions therein.

Place:
Date: 2016

Authorized signatory of
the firm along with seal