

**UNIVERSITY OF ENGINEERING AND TECHNOLOGY MARDAN  
KHYBER PAKHTUNKHWA**



**STANDARD BIDDING DOCUMENTS  
FOR  
PROCUREMENT OF LAB EQUIPMENT FOR MECHANICAL  
ENGINEERING DEPARTMENT IN THE PROJET TITLED  
“ESTABLISHMENT AND UPGRADING OF CORE ENGINEERING  
DEPARTMENTS, UET MARDAN”**

**PROCUREMENT REF. NO.16/HEC/2022**

<b>Last Date/Time for Submission:</b>	<b>February 18, 2022 at 11:00 AM</b>
<b>Bid Opening Date/Time:</b>	<b>February 18, 2022 at 11:30 AM</b>
<b>Venue:</b>	<b>Conference Room, UET, Mardan</b>
<b>Email:</b>	<b>po@uetmardan.edu.pk</b>
<b>Tender Fee:</b>	<b>Rs.500 per lot</b>

# University of Engineering & Technology, Mardan

## CHECKLIST

S#	Description	Yes	No
•	Covering Letter/Application (on the letter head of the firm)		
•	Profile of the Firm		
•	Certificate of active taxpayer		
•	Sales Tax Registration		
•	Registration with National/Income Tax Department		
•	Professional Tax Certificate, if any		
•	Earnest Money @2% of the quoted bid value		
•	3 Years Experience of similar work are required (Mandatory)		
•	Affidavits on Judicial stamp paper attested by Oath Commissioner		
•	The Service Providing Firm has never been blacklisted by private, Govt., Semi Govt. and Autonomous Body)		
•	No work rescinded in past		
•	Letter of Bid Form as per Annexure-I		
•	Technical Specification (BOQs) as per Annexure-II		
•	Financial Proposal as per Annexure-III		
•	Agreement (For successful bidder only) as per Annexure-VI		

Contact Person  Name & Designation _____	<hr style="border: 0.5px solid black;"/> Authorized Signature & Stamp
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**Note: This checklist duly filled and signed by authorized person, shall be submitted with the covering letter.**

# **Procurement of Laboratory Equipment for Mechanical Engineering Department in The Project Titled Establishment and Upgrading of Core Engineering Departments at UET Mardan**

UET Mardan intends to purchase lab equipment/Items (lot wise purchase) for Mechanical Engineering Department, UET Mardan as per details and required specification mentioned in *annexure II*.

## **Method of Procurement:**

Bidding will be conducted through “**Open Competitive Bidding**” process, specified in Rules of the Khyber Pakhtunkhwa Public Procurement Goods, Works and Services Rules. Bidding is open to all eligible bidders as defined in the KPPRA Procurement Rules 2014 that meet the minimum qualification criteria and required documents. It will be a “**Single Stage, One Envelop procedure**”.

## **TERMS AND CONDITIONS FOR THE PURCHASE OF LAB EQUIPMENT**

- 1) Bid/rate may be quoted for the unit price of the items (including all taxes) entirely in Pak rupees transparently and clearly according to the prescribed specification available in the bidding documents. The rates should be mentioned in both words and figures. Rates with cutting or overwriting will be considered as non-responsive. No tender with conditional, ambiguous and alternative price will be considered.
- 2) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.
- 3) The bidder must attach copies of registration with income tax, sale tax department. The Supplier should produce NTN with the bill.
- 4) The bidders will be required to deposit an amount of **Rs. 500/- per lot** in the Account titled: Miscellaneous Fund UETM, Account No. 3001354859, Branch Code:0179, Bank of Khyber (Sugar Mills Road Branch Mardan) as the tender Document fee along with the tender documents.
- 5) The tender documents will be received till **11.00 A.M” on 18.02.2022 (last date of submission)** and will be open on the same day at **11.30 A.M** in the Conference Room in the presence of the bidders desiring to attend the opening meeting.
- 6) An earnest money in the form of Call Deposit equal to 2 % of the quoted value must accompany with the bid, otherwise bid will be considered as nonresponsive. The Call Deposit should be in favour of the Treasurer, University of Engineering & Technology, Mardan. The Call Deposit amount should be deposited on formula as  $b = \text{unit price} \times \text{qty required} = b * 2\%$ . Cheques and

insurance guarantees will not be accepted. The Call Deposits shall be verified before the preparation of comparative statements and if found fake, legal action will be taken against the firm as per rules.

- 7) The firm will be bound to supply items within time limit mentioned in supply order failing which their call deposit will be forfeited and the orders will be cancelled / withdrawn.
- 8) All applicable Govt. Taxes will be deducted from the approved firm's bill.
- 9) In case of fraudulent practice by the supplier, strict action will be taken against the supplier i.e. forfeit of security, penalty and blacklisting.
- 10) The black listed suppliers are not eligible to participate in the bidding. The suppliers are bound to provide an undertaking of non-blacklisting from any department.
- 11) All documents relating to the bid and contract shall be in English Language.
- 12) The bidding documents should be signed and stamped by a person duly authorized on behalf of the suppliers on every page.
- 13) The Agreement between UET, Mardan & Firm, will be valid for a period of 90 days from the issuance of work order.
- 14) The suppliers belong from any other province will provide the complete address and phone numbers of their branch offices at Peshawar, Rawalpindi/Islamabad.
- 15) The tender should be in sealed cover envelope clearly written thereon "Bid/Proposal for Purchase of "Laboratory Equipment for Mechanical Engineering Department, UET Mardan". The name of the suppliers with full address and telephone / fax number must be written on the back of the quotation. If the envelope is not sealed and marked as above, the University will not be responsible for misplacement or pre-mature opening of bid. Sealed bids should be addressed to the Procurement Officer, UET Mardan.
- 16) The Purchase Committee reserves the right to accept or reject any bid and cancel the process of completion and reject all bids, at any stage, as per KPPRA rules.
- 17) In case of supply of defective or used item, the firm will be dealt with as per Government rules and regulations. UET Technical/Inspection Committee and satisfactory report submitted by the end user will release the payment after inspection. If any item is rejected by UET Technical/Inspection Committee, the supplier will be bound to replace it within 20 days at his own risk and cost.
- 18) The Payment will be made after supply of items to the Main Store, UET Mardan .
- 19) Incomplete tenders and those received after due date and time will not be accepted.
- 20) In case of closed/holiday, tender opening time/date will be considered as the next working day.
- 21) Tender will be awarded on the basis of lowest prices for whole lot as per desired specifications and quality of items.

## 1. SCOPE OF SUPPLY

The bidder shall supply items/ appliances of the specifications given in the attached Annexure- respectively.

## 2. CURRENCIES OF BID

The prices shall be quoted in Pakistani Rupees.

## 3. BID BONDS/EARNEST MONEY

The bidders shall furnish, as part of his bid, earnest money equal to 2% of total quoted prices with their offer in the form of CDR in favor of, **Treasurer, University of Engineering & Technology, Mardan**. The earnest money shall be denominated in Pak rupees and shall be in the form of Call Deposit issued by a Pakistani scheduled Bank. The amount shall not be disclosed in any before the opening of financial bid. The Earnest Money may be forfeited if a bidder withdraws his bid during the period of his bid validity or using corrupt practices etc.

## 4. LATE BIDS

Any bid received by the Purchaser after the prescribed deadline for submission of bids shall be returned un-opened to the bidder.

## 5. PURCHASER'S RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS

The UET Mardan (Purchase Committee) reserves the right to **decrease or increase the quantity**, accept or reject any/all tenders/ bids as per KPPPRA rules.

## 6. CONVENCING

Unsolicited advice/clarification and any personal approaches at any stage of evaluations are strictly prohibited and may lead to disqualification.

## 7. DELIVERY OF ITEMS/ GOODS

The bidder shall make delivery of goods at his own cost within 45 days from the date of issuance of Purchase Order from the UET Mardan.

In case of delay in supply within stipulated time then penalty @2% per day will be imposed for first 10 days and thereafter @4% per day in the subsequent period.

## 8. MODE OF PAYMENT

Payment shall be made in the form of crossed cheque, which shall be issued after delivery of items/appliances and verification of the Inspection Committee/Officer concerned.

## 9. WARRANTY

The supplier shall furnish at least one-year warranty for successful operation of items/ goods. In case of malfunctioning / defect in any item / good, the supplier shall replace them free of cost within 15 days; otherwise the supplier will return the entire paid amount to UET Mardan.

## 10. BID EVALUATION CRITERIA

The awards of contract would be based strictly on the specification provided in the bidding documents and quality of the items and not only on the basis of lowest rates.

11. All Government Taxes i.e Income Tax & GST etc. applicable (if any) will be deducted.

## 12. Failure & Termination:

If the firm failed to deliver the required goods and services thereof within the specified delivery period, the Competent Authority, UET Mardan shall be entitled to cancel and place the same to next qualified bidder. If during the course of providing/deputing the items, your firm is black listed by Govt, UET Mardan may proceed with all or any of the actions detailed below:-

- i. To stop with or without financial repercussions further to a firm.
- ii. To cancel the contract/offer with or without reservation of rights.

13. **Force Majeure:** While terminating the contract for breach of contract or imposing liquidated damage, the University shall give due consideration to the circumstances leading to the breach of contract or delay on which you had no hold, examples of which are:-

- i. Restrictions imposed by the Government in the matter of repercussions;
- ii. Injunction granted by a lawful court restraining you from providing the services unless such injunction was due to any alleged irregularity committed by you.

14. **Demurrage:** Should any demurrage charge be incurred due to any of the reasons mentioned below the same shall be deducted from your bills or recovered from you as a separate item (the decision of the Purchaser, regarding fixation of responsibility in this connection shall be binding on you);

- i. Owing to delay in forwarding/delivery/provision of items.

- ii. Due to reason not specified above for which you are responsible.

**15. Inspection and Rejection**

- i. The decision of the Inspection /Purchase Committee shall be binding on you.  
If the items or particular items are rejected as aforesaid and without prejudice to the right of the university, you may submit items in replacement of those rejected but resubmission will not mean extension of delivery period/service.

**16. Laws Governing the Contract.**

The contract shall be governed by the laws of Federal Government as well Provincial Government of KP as amended from time to time.

**17. FORMAT FOR PROPOSALS**

The proposal / firm's profile should be concisely presented and structured in the form of chapters to include, but not necessarily be limited to, the following information. Support material should not be the part of the main proposals but should be placed at Appendixes.

- i. **Financial Capabilities**

The firm shall describe the financial position. Income statement or annual report should be included in the detail technical proposal. The NTN and Sales Tax Registration Numbers of the firm should also be indicated (Photocopies of the concerned documents should be provided).

**18. Contract Agreement**

The successful bidders must sign the contract agreement as per Annex; **IV**

**19.** Performance Bond or 10% Performance Security will be provided by the successful bidders prior to supply items as per Annex: **III**

**20.** Price Break-Down Schedule be provided as per Annex: **II**

**21.** Letter of Intention/Letter of Bid be provided as per Annex: **I**



**LETTER OF BID (BID FORM)**  
(To be submitted with financial bid)

Procurement Reference No. \_\_\_\_\_

TO,

The Procurement Officer  
University of Engineering & Technology  
Mardan

Gentlemen and /or Ladies

Having examined the tender, the receipt of which is hereby duly acknowledged, we the undersigned, offer for procurement of Lab Equipment Equipment/Items for Mechanical Engineering Department as per required specification mentioned in the tender documents for the sum of Rupees both in figure and words {(Rs. \_\_\_\_\_)}(\_\_\_\_\_ total bid amount or such other sums as may be ascertained in accordance with the schedule of Prices attached herewith and made part of this Bid.

We undertake, if our bid is accepted, to the subject tender with standard quality in conformity with the said tender documents.

If our bid is accepted, we undertake to provide a performance security in the form of CDR within the specified time as per contract agreement.

We agree to abide by this Bid for the Bid Validity Period of 90 days and it shall remain binding upon us and may be accepted at any time before the expiration of the that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your issuance of award, shall constitute a binding contract between us

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2022

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(In the Capacity)

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

### Technical Specification of Equipment

#### Lot No.1. FOUNDRY SHOP TOOL AND ACCESSORIES:-

S.No	Item	Specification	Qty
1	Hand riddle	18" dia	3
2	Shovel	Iron plate of 8.3" x 6.1" wih handle 28"	3
3	Hand rammer	5 Kg, Dia 20 mm	4
4	Peen rammer	wedge Shape	3
5	Floor rammer	5 Kg, Dia 20 mm	3
6	Pneumatic rammers		2
7	Sprue pin	Metal Tapered Rod	3
8	Strike off bar	flat bar with straight edge, 0.25 kg, 3 mm thickness	3
9	Mallet	120 mm wooden mallet	2
10	Draw spike	tapered steel rod having ring at one end	10
11	Vent rod		3
12	Lifters	Standard Size	3
13	English trowels small	Small Size	2
14	Broad heart trowel		2
15	tapper trawel small	Tapered Small Size	2
16	Trowels	Standard Size	3
17	Slicks	Standard Size	3

18	bellows	8 in, 10 in, 12 in	2
19	Smoothers	Complete set	3
20	Swab	fiber made	5
21	Spirit level	150 mm base length, sensitivity 0.02 mm/m <sup>2</sup>	3
22	Gate cutter	5"-7" Flat Faced, 6"-7" Nippers	3
23	slick pouring box		1
24	sand paper (Number zero)	Coarse, medium, and fine grade	25
25	hack saw blade	12" Length, 24 TPI	12
26	Sand mixing tub	Capacity: 6 Gallons, width: 19.7"	3
27	Sand mixing Talcum powder		2
28	scoop spoon tool		4
29	Gaggers	L- Shaped Standard Size	2
30	Die Casting Foundry		1
31	Crucible	Clay Graphite, Silicon Carbide A Shape, Silicon Carbide Bilge Shape, 5,6, and 8 Numbers	2 each
32	Binder (Sheera)		16kg
33	Fire Clay		5kg
34	White Dhoora		3kg
35	Blacksmith Tongs	17" V-Bit Tongs	9
36	Round Tongs	12" long, holds 3/16"- 3/8" dia rods	8
37	flatter	width 3 inches, weight 3 kg	5
38	fullers	width 3 inches, weight 3 kg	2

39	rivet header		2
40	fire clay		45
41	black Dora		5
42	Talcum powder		5
43	Aluminum scrap for fooundary		40 kg
44	Emery paper (coarse and fine grit)	Coarse and Fine grit	5 , 20
45	cope and drag	Standard Size	2
46	flask for cope and drag	metal frame	2
47	Foundry gloves (heat resistant)	protection upto 500 C	5 Pairs

**Lot No.2. MACHINE SHOP TOOLS AND ACCESSORIES:-**

S. No	Item	Specification	QTY
1	Turning Tool	2 degree side cutting edge angle and 34 degree end cutting edge	4
2	Drill Chuck	13mm	3
3	Drill Sleeve	22mm	3
4	drill sockets	20 x 1/2 inch drill sockets : 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30 and 32 mm	
5	sliding T-bar	sliding T-bar 10 inch	2
6	Parting Tool	tool steel material	3
7	Forming tool	HSS lathe form tool	2
8	Grooving tool	20-30 HRC hardness, hot rolled	2
9	Facing Tool		3
10	Centre Drill	3 mm	10
11	Centre Drill	4mm	10
12	Carbide Internal Threading tool	(60, 30, 45 degrees)	3
13	Carbide External Threading tool	(60, 30, 45 degrees)	3
14	Carbide Turning Tool	right hand (Right)	4
15	HSS Cotter	1/4" x 1/4" x 6"	4
16	Knurling Tool	diameter adjustment range of 1.25 to 2.50 inches	5
17	Boring Tool	polished, 30 HRC, mild steel	1
18	Cutting Oil	any water miscible mineral oil	4 liter
19	Center Drill	2mm	2
20	Tip Sawn	10"	1
21	Loha Sawn	10"	1
22	Tip Sawn	6"	2
23	Loha Sawn	6"	2
24	Lubrication Oil	Mineral lubricating oil	8 liter
25	Cutting Oil	PSO neat metal cutting oil, for machining both ferrous and non-ferrous metals.	2 liter
26	Oil Pouring Keeve		2
27	Universal vice	Range : 125 mm	5
28	Surface Plates	18 x 24 in	3
29	Counter sink	range of engagement angles (60°, 82°, 90°, 100°, 110°, 120°, 130°, 140°, etc.)	1
30	Collet set	10 pcs	1
31	Dial indicator	Range : 0-10 mm Accuracy : ± 20 μ m	2

32	Oil hand pump	310 ml per revolution 2" drum connector Suitable for Diesel and oil	3
33	Vernier Calipers	(0-300mm)	4
34	Micrometer	Range: 30 mm	3
35	Bore gauge	Measuring range :From $\phi = 6\text{mm}$ to maximum $\phi = 450\text{mm}$	4
36	Vernier bevel Protector	Scale length: 6" Readout interval for vernier scale 5 minutes Accuracy: 5 minutes	2
37	Vernier Caliper, Analog	Range : 0- 250 mm	5
38	Vernier Caliper, Digital	range : 250 mm	5
39	Screw Gauge, Analog	range : 60 mm	4
40	Screw Gauge, Digital	Range: 0-25mm Precision: 0.001mm Material: Carbide Alloy Accuracy: 0.001 mm	2
41	Hand Grinder Machine	4 "	2
42	Scriber	body length of 150 mm diameter 6 mm	5
43	Spirit level	200 mm	4
44	Feeler Guage	0.04 to 1 mm measurement range 25 blades	5
45	Bench vice	5"	5
46	File flat bastered	10"	5
47	File flat smooth	10"	5
48	File half round bastered	10 "	5
49	File half round bastered ,	6 "	5
50	file card	12-300 =grit size	3
51	File half round bastered	8"	5
52	Adjustable wrench	Size 12"	3
53	Allen key set	10 pcs set	2
54	Box spanner set	86 pcs set	1
55	Buffing wheel Cotton	6-Inch Mirror Polishing Wheel	3
56	Carbide tool holder with tips		3
57	Adjustable wrench	8"	5

58	MS Strips	(3mm*50mm)	20 kg
59	MS Strips	(5mm*50mm)	25 kg
60	MS Strips	(2.5mm*50mm)	25 kg
61	Cylindrical Rod	MS(30mm,)	30 kg
62	Cylindrical Rod	MS(20, 25 28 mm)	100 kg
63	Square Rod	MS(32mm*32mm)	100 kg
64	First aid box	( standerd use)	3
65	Surgical gloves	normal	2
66	Gougles	(Using in Machine Shop)	2
67	Saftey shoes for machine shop	( 43 ,44 )	4+ 4
68	stamping set	4mm, latter set& complete number	2
69	file brush	10 inch	1
70	try square	6 inch	10
71	screw driver	32 pcs	2
72	lathe machine tool post keys	standard size	1
73	needle file set	cutting length : 65 mm	5
74	Hack saw blade	12 inch	2
75	Hacksaw frame	12 inch	2
76	scribe tool		3
77	complete Drill bit set	1-13 mm	5
78	Adjustable wrench	6"	2
79	Adjustable wrench	10"	1
80	open spanner set	12 pcs	2
81	pipe wrench	10 ", 14 "	2
82	carbide cutting tool		3
83	Diamond point cutting tool		5
84	high speed cutting tools	M -4	5
85	V block	size : 70 *100 * 95 (mm ) , clamping range : 5- 70 mm , flatness : 5 micrometer	2
86	vernier height gauge	range : 300	2
87	punch set	, 6 pcs	1
88	tool box	length : 500 mm	5
89	thread gauges	solid , adjustable	2,2
90	pliers	5 pcs set	3
91	Socket set	52 pcs	1
92	nose plier	jaw length : 50 mm , width : 20 mm thickness : 10, Material : tool steel	1

93	wire cutter	round head cutter	2
94	key set	10 pcs	1
95	hammer	1 kg	2
96	wrench key set	13 pcs	2
97	shaper tool set	complete set	2
98	End mill set	3mm, 4mm, 6mm, 8mm, 10mm, 12mm, 14mm, 16mm (8 Pc)	2
99	Face mill cutter	Face mill 63mm (1Pc)	2
100	Ball cutter set	Ball cutter Standard (5Pcs)	2
101	Slab mill set	Slab mill Standard (1Pc)	2
102	Side-and-face cutter set	Side-and-face cutter 2mm (5Pcs)	2
103	Involute gear cutter set	Involute gear cutter 22mm (5Pcs)	1
104	Fly cutter set		2
105	Hollow mill set	Hollow mill Standard (3Pcs)	2
106	Shell mill set	Shell mill 50mm (1Set)	2
107	Roughing end mill set	8mm, 10mm, 25mm (3Pcs)	2
108	Dovetail cutter set	1*45, 1.5*60, 4*45, 6*45, 10*60 (5Pcs)	2
109	Wood ruff cutter set	Wood ruff cutter 10mm, 16mm, 22mm (3Pcs)	1
110	Milling vices	8" (1Set)	1
111	Universal Indexing head with indexing plates	BS100 (1Set)	1
112	Slotting attachment	Standard (3Pcs)	1
113	Rotary table attachment	200mm (1Set)	1
114	steel rule	stainless steel	2
115	diamond dressing tool	10 * 48	2
116	lathe bar puller	diameter : 32mm	1
117	spiral level	±0.5 mm/meter	1
118	Metal Almirah	stainless steel standard gauge thickness	2
119	grinding wheels	10 inch	4
120	reamers set	4 pcs	1
121	Safety Marking floor tape (yellow & black) & (Red & white)	durable floor marking tape	10
122	magnetic base	For holding tools on tool post	2



**Lot No.3. Pattern shop tools and accessories**

<b>S. No</b>	<b>item</b>	<b>specification</b>	<b>QTY</b>
1	Collet Set		1
4	Wooden Rasp cut files	material diamond, size : 150- 250mm	3
5	Tool Cotter Medium Size	240 pcs	1
6	Tool Cotter small Size	250 pcs	1
7	Wire brush	(Normal)	10
8	Chiping Hammer	(standerd)	3
9	Welding rod	(MS 10 number)	5 packs
10	Grinding disk	10 number	2
11	Buffring disk	10 number	2
12	Cuting disk	4 inch	1
13	cleaning clothes		15
14	Pincer		2
15	Adzes		3
16	Block plane	overall length : 7 inch	2
17	bevel square	material mild steel, height: 150-300 mm	3
18	compass saw	complete set	2
19	clamp	4 feet	1
20	clamp	5 feet	1
21	clamp	6 feet	1
22	counter sink bit	1/2 inch	6
23	cross peen hammer	12 oz	2
24	wood lathe machine chisel set	complete set	2
25	clamps	4 inch	6
26	clamps	8 inch	6
27	clamps	24 inch	6
28	cutting iron	disk: 14 inch	3
29	drill bit set	1-13 mm	1
30	drill chuck	1/2 inch	1
31	file half round	10 inch	1
32	floor brush	24 inch	1
33	fret saw blade(cross)		8
34	fret saw blade( fine)		8
35	file triangle	6 inch	5
36	gauge mortise	fine point type , material: Brass	2

37	gauge outside round		3 set
38	gauge inside round		3
39	white glue (Kg)	Bonding porous substrates such as wood, wood compositions, cardboard.	1
40	glue pot electrical	height 160mm, 0.25 litre	1
41	Gimlet	0.25 inch	6
42	Hand saw	8 - 14 inches in length	8
43	hand drill machine	600 watt power, 2600 rpm	1
44	hammer claw		2
45	hammer straight		6
46	jack and smooth plane	14 * 2 .1/2 inch	6
47	jack and smooth plane	10 * 2 . 1/2 inch	7
48	knives marking		5
49	marking gauge	standard size	6
50	mallet wooden	approx weight : 300 g	6
51	faceplate for wood working	6 " steel wood plate	1
52	pad saw handle		3
53	peering saw		3
54	pad saw blade	blade size : 10 inches	5
55	plane block wooden	50 mm	3
56	plane bullnose wooden	weight : 600 g, plane sole L: 120 mm	3
57	rabbet plane	overall length : 260 mm, width : 40 mm	4
58	round or hollow plane		1 set
59	rachet brace		1 dozen
60	ratchet brace	finished type : chrome	1 dozen
62	files set	10 pcs	3
63	spoke shave	overall length: 10 inch	1
64	saw set plier		1
65	Bow saw		4
66	Saw hand Rip	24 * 7 inch	3
67	Saw hand Rip	30 inches	4
68	Hand saw cross cut		4
69	saw dovetail		4
70	saw filling jacks		4
71	spirit level		4

72	sand paper dies		4
73	saw tenon	10 inches	6
74	saw coping		4
75	steel Almirah		1
76	steel rack		1
77	try square		12
78	firmer chiesel		2
79	Allen key	06 Pcs	1
80	work table		2
81	auger bit		4
82	wood chisel set	6 pcs	2
83	outside caliper		2
84	screw	1/8, 1/2 inch	8 dozen
85	nut bolt	3/8 , 2 . 1/2 inch	12
86	set of drill bits	1-13 mm	1 set
87	Automatic screw driver		1
90	wood lathe turning tools	complete set	1
91	carpentary vices	8 inch	5
92	soft wood		60 kg
93	plug gauges		2
94	plate gauge		2
95	snap gauge		2
96	adjustable caliper gauge		2
97	ring gauge		2
98	drifts		2
99	scrapers set		1
100	steel tapes		4

**Lot No.4. Data Acquisition systems for equipment**

<b>S.No</b>	<b>Item</b>	<b>Specification</b>	<b>QTY</b>
1	Strain Gauge Data acquisition system	Core i7 10Th generation, 8GB RAM 1 TB HD, 256 GB SSD, 24" LED display with Keyboard, Mouse, along with all other accessories	1
2	Centrifugal Pump Testing Apparatus Data acquisition system		2
3	Series and Parallel Pump assembly Data acquisition system		2
4	CNC Lathe Data acquisition system		2
5	CNC Milling machine data acquisition system		2
6	Twin Cylinder Engine Test bed Data acquisition system		1
7	Free and Force convection Unit Data acquisition system		1
8	Stefan Boltzmann Apparatus Data acquisition system		1
9	Thermal Conductivity Apparatus Data acquisition system		1
10	Emissivity Measuring Apparatus Data acquisition system		1
11	Double pipe Heat Exchanger Data acquisition system		1
12	Cross flow Heat Exchanger Data acquisition system		1
13	Fins Performance Measuring Apparatus Data acquisition system		2
14	Subsonic wind tunnel Data acquisition system		2
15	General Air- Conditioning Trainer Data acquisition system		2

16	Compression Refrigeration Cycle Data acquisition system	2
17	Freezing Trainer Data acquisition system	2
18	Strain Gauge Trainer Data acquisition system	2
19	Fatigue Testing Machine Data acquisition system	2
20	Torsion of Bar Apparatus Data acquisition system	2
21	Impact Testing Machine Data acquisition system	2

**Lot No.5. WELDING SHOP TOOLS AND ACCESSORIES**

<b>S.No</b>	<b>Item</b>	<b>Specification</b>	<b>Qty</b>
1	Cylinder stand	for gas welding cylinders	2
3	Welding Brass Rod	dia : 2 mm	1 kg
4	Welding Metal Rod	carbon steel electrode	5 kg
5	Welding Flux		1
6	Cylinder Valve Keys	compatible to cylinder valve	2
7	Furnace Black Sand	ground granulated blast furnace slag	100 kg
8	Anvil		2
9	Oxyacetylene gas welding	Oxygen and acetylene gas cylinders, pressure regulators, torch mounted flashback arrestors, hoses with connectors blow pipes with all accessories	1
10	welding helmat	(standerd size)	5
11	Safety helmat	(standerd size)	5
12	Welding gloves	( larg size)	5
13	sheet raw material for spot welding	2 mm thick MS steel	15 kg
14	steel wire brush		3
15	tong		3
16	nozzle		1
17	filler		5 kg
18	Safety shoes for machine shop (43 ,44)	43,44	4+4
19	TIG Welding Plant	Plant with all accessories	1
20	MIG Welding Plant	Plant with all accessories	1

**Lot NO.6. Fitting shop tools and accessories**

<b>S. No</b>	<b>Item</b>	<b>Specification</b>	<b>Qty</b>
1	Taper Tap	8-10 threads chamfered	2
2	Bottoming Tap	1-2 threads chamfered	2
3	Plug Tap	3-5 threads chamfered	2
4	Spiral Point Taps (Gun Nose or Bull Nose Taps)		2
5	Spiral Flute Taps or Gun Taps		2
6	Interrupted Thread Tap		2
7	Pipe Taps Form or Roll Taps (Thread Forming Taps)		2
8	Extension Taps (Long Shank Taps)		2
9	Punch Taps		2
10	Spray-gun		3
11	Nails and wire pieces		3
12	Bellows	8 in, 10 in, 12 in	2
13	Clamps, cotters and wedges		3
14	Flat Jaw tong	17" Flat-Bit Tongs	2
15	Round Jaw tong		2
16	Half flat & half round tong		2

**Lot No.7. Smith shop tools and accessories**

<b>S. No</b>	<b>Item</b>	<b>Specification</b>	<b>Qty</b>
1	Smith Furnace	Chamber Volume (7.5 Litres), Fuel: Gas, pouring mechanism, along with 3 different size crucibles.	1
2	Safety shoes for forging shop	( 43, 44 )	12 Pairs
3	Over head Ear protectors	Medium & Large Size	10
4	Cotton gloves	Medium & Large Size	12 Pairs
5	Ruber gloves	Medium & Large Size	4 Packs
6	Cover all	Medium & Large Size	12
7	Apron	Medium & Large Size	12
8	Forging Hammer	5 Kg, 2 Kg	3+3
9	Forging Hot chisel	12 × 150 mm	20
10	Forging Bending bar	8 × 250 mm	20
11	Cyclindrical rod	MS 12 mm	50 kg
12	cylindrical Rod	MS 9 mm	50 kg
13	Anvil	55 kg	2



## University of Engineering & Technology, Mardan

### (Financial Proposal)

Name of the Firm: \_\_\_\_\_

Address: \_\_\_\_\_

**Lot No#**

S#	Item	Quantity	Unit Rate With taxis	Total Price With Taxis
<b>Grand Total</b>				

**Name & Designation**

**Authorized Signature & Stamp**

**AGREEMENT (on stamp paper)**

**“Procurement of Lab Equipment/ Items for Mechanical Engineering Departments in the project titled Establishment & Upgrading of Core Engineering Departments at UET Mardan ”**

1. This Agreement is executed at Mardan on ----- between UET Mardan through Treasurer (hereinafter called the Purchaser) and M/S. ----- (hereinafter called the firm) which shall include their successors/assignees on either part on the following terms and conditions:

2. Whereas the UET Mardan decided for the Procurement of Lab Equipment/ Items for Mechanical Engineering Department, UET Mardan to be furnished by the above noted supplier/firm with a total cost of Rs.----- and as the supplier/firm has agreed to complete the assignment as per terms and conditions, hereinafter approved.

3. Any increase or decrease in the agreed quantity shall be acceptable to the successful bidder as per requirement of the Purchaser at the same agreed rates and terms including freight and other charges.

4. The successful bidder shall complete the assignment, of the specifications given in the tender documents. Any item found substandard or below specification will be rejected and the supplier will replace the items within 10 days without any additional cost.

5. Payment will be made within 30 working days on the satisfactory receipt of complete order and after satisfactory inspection report of all items by the inspection committee.

6. Performance security @ 10% shall be deposited by the successful bidder within 10 days after signing the agreement which shall be discharged by the Purchaser and returned to the successful bidder/supplier after satisfactory completion of the task.

7. Any violation of the agreement by the supplier will entitle the Purchaser to forfeit the whole security or part of the amount to make up losses to the Procuring Entity.

8. All taxes and duties levied by the government from time to time shall be deducted as per rules.

9. In case of failure in completion of task as per agreed time schedule the Purchaser reserves the right to complete the same at successful bidder's/supplier's risk & cost including legal course of action, (if any). Penalty will also be imposed on the successful bidder.

10. Penalty @ 0.5% per day of the contract value will be charged after expiry of service/work period up to the maximum of 30 days, failing which work order will be treated as cancelled and 10% performance security / guarantee shall be forfeited.

IN WITNESS thereof, the parties hereto have signed the agreement on the date and year first mentioned above.

**For the Firm & UET Mardan**

**For UET Mardan:-**

Name: -----

Designation & Signature-----

Name of Witness -----

**For Firm:-**

Name-----

Signature-----

Name of Firm & Stamp-----

Name of Witness.-----