

# JUNAGADH AGRICULTURAL UNIVERSITY



## TENDER DOCUMENT

For The Purchase of Industrial Magnetron, HV Transformer and Rotary  
Airlock Valve  
DURING THE YEAR 2022-23  
BY

College of Agricultural Engineering & Technology  
Junagadh Agricultural University  
Junagadh- 362 001 (Gujarat)  
Tel. /Fax No.: 0285-2671018

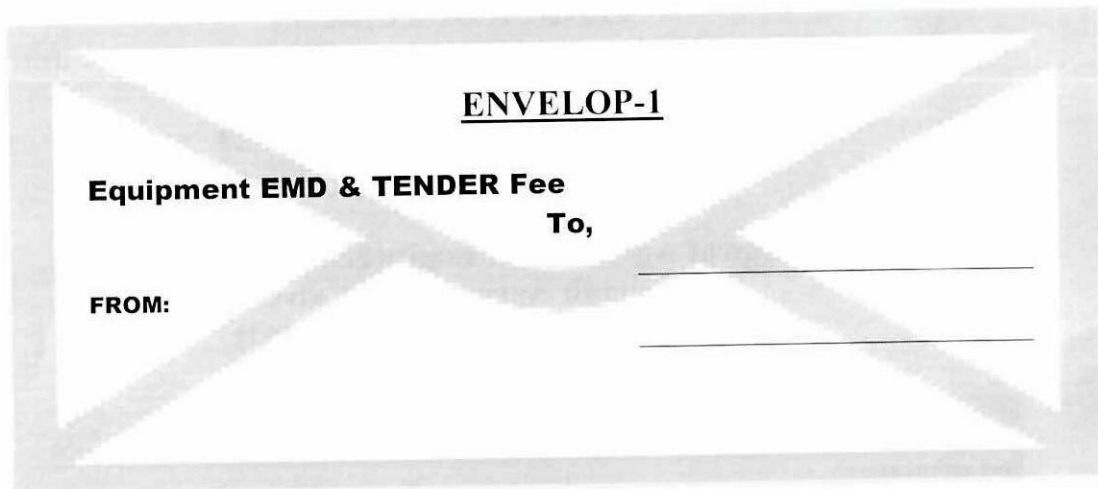
<b>Bid reference :</b>	
Period for downloading of tender documents.	: 17/02/2023
Physical submission of Tender Fee, EMD, other relevant documents as per check list of the tender as well as company printed literature/ catalogue and other necessary documents by RPAD/Speed Post	: Last date: - 17/03/2023. In the office of : The Principal & Dean, College of Agricultural Engineering & Technology, Junagadh Agricultural University, Junagadh 362 001, Gujarat.
Probable date for opening of primary Bid and verifying physically submitted documents	: 18/03/2023 (10.30 hrs.)
Probable date for opening of commercial bid	: 18/03/2023 (After 15.30 hrs.)

- *Tender fee Rs.1500/- in form of DD in favor of "Junagadh Agricultural University Fund A/c", payable at Junagadh, non refundable for entire tender*
- *Separate EMD for an amount of 3% of quoted price (Refundable) per equipment/instrument in the form of FDR have to be paid in favor of "Junagadh Agricultural University Fund A/c".*

**Note: 1** THE MAIN ENVELOPE CONTAINING THE FOLLOWING THREE ENVELOPES IN MAIN ENVELOPE should reach to the undersigned at given address up to date of 17/03/2023 by RPAD/ Speed Post.

**Envelop-1: Tender Fees and EMD (Details inside this document):**

Original DD of Tender fee Rs. 1500/- and Original FDR of EMD amount equivalent to 3% of quoted price of individual equipment/tender

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**ENVELOP-1**

**Equipment EMD & TENDER Fee**

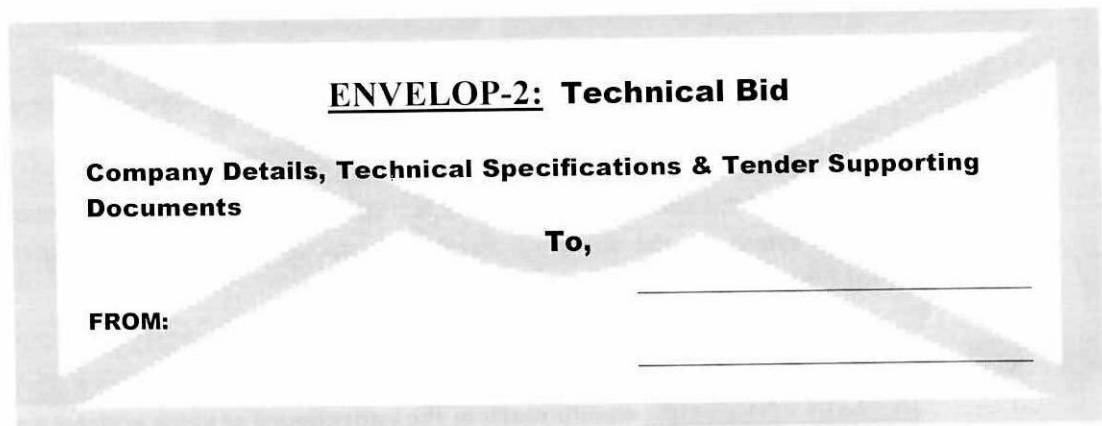
**To,**

**FROM:** \_\_\_\_\_

\_\_\_\_\_

**Envelop-2: Technical Bid:**

Company detail & Tender Supporting Documents, documents consisting authority letter, ISO/ISI/CE certification, compliance statement related to tender specifications, Product literature, Country of origin of equipment, colour catalog, list of installation, etc. Equipment with specification to be purchased etc.

A rectangular envelope template with a large 'X' across the front. The text is centered and bold.

**ENVELOP-2: Technical Bid**

**Company Details, Technical Specifications & Tender Supporting Documents**

**To,**

**FROM:** \_\_\_\_\_

\_\_\_\_\_

**Envelop-3 : Commercial Bid**

Please note that scan copy of documents mailed through email at [caet@jau.in](mailto:caet@jau.in) must tally with the physical submission of original / attested Xerox copy. The bidder will be entitled for immediate disqualification, if fails to submit the physical documents within time limit.

**ENVELOP-3**  
**Commercial Bid**

**To,** \_\_\_\_\_

**FROM:** \_\_\_\_\_

Keep envelop-1, envelop-2 and envelop-3 in main envelop and submit through RPAD or Speed post.



1. **Tender Fee Details: (Rs.1500/-)** DD in favor of "Junagadh Agricultural University Fund A/c", SBI, code: 60218

a. **Name and Address of Tenderer**

**2. Details of Demand Draft:**

Sr. No.	Particulars	Number	Date	Amount (Rs.)	Drawn on.... (Please mention <u>Name of Bank</u> )	Branch & Place
1	Demand Draft			1500/-		

**3. Format for EMD to be filled in the letter pad by the tenderer:**

EMD (*Equivalent amount of 3% of quoted rates per item*) as **FDR** in favour of "Junagadh Agricultural University Fund A/c" payable at Junagadh.

Item No.	Name of Equipments	EMD of Rs.
<b>Renewable Energy Engineering Department</b>		
1	Industrial Magnetron	
2	HV Transformer	
3	Rotary Airlock Valve	

### **COMPANY DETAIL**

1. Name of supplier / firm :
2. Complete postal address :
3. Telephone Number :
4. FAX Number (if any) :
5. E-mail address (if any) :
6. Sales Tax No. :
7. Registration No. :
8. Any other details:

We agree to abide by the terms and conditions of supply mentioned in this tender Document

Signature of Tenderer

(With Stamp, Name & Designation)



### **TENDER SUPPORTING DOCUMENTS (CHECK LIST)**

1	Tender Fee: (Demand draft of Rs. 1500/- in favour of "Junagadh Agricultural University Fund Account" drawn on STATE BANK OF INDIA, JUNAGADH BRANCH[CODE NO. 60218] towards the tender fee (Non-Refundable)	
2	EMD Fixed Deposit Receipt (FDR) of minimum 3% of quoted price of the equipment have to be paid in favour of "Junagadh Agricultural University Fund Account" drawn on STATE BANK OF INDIA, JUNAGADH BRANCH [CODE NO. 60218] towards the Earnest Money Deposit (Refundable).	
3	Vendor's Profile / Company details	
4	Registration copy/GST certificate copy	
5	IT Clearance	
6	Specification Supporting Documents with colored catalog	
7	Minimum Technical Specification sheet	

**Note:** 1) All photocopied documents must be attested with seal and signature.

2) All documents photocopy attached in physically.

**Note:**

It is verified that all the certificates / permissions / documents are valid and current as on date and have not been withdrawn / cancelled by the issuing authority. It is further verified that the certificates are as per the format and it is clearly and distinctly understood by me / us that the tender is liable to be rejected if on scrutiny and of these certificates is found to be not as per the prescribed format.

I/We further undertake to produce on demand the original certificate / permission / document for verification at any stage during the processing of the tender.

## **DECLARATION**

We solemnly declare that we have attached all the documents mentioned here above and mentioned in the tender. We also understand that non-compliance of any documents will be treated as non-respective tender and we will loose our claim to participate in the Tender Enquiry automatically and our tender will be liable to reject.

Name of the Firm:

Authorized Signature:

Name: Designation:

Seal of firm:

## **Terms & Conditions**

1. **Tender fee of Rs. 1500/- (Non Refundable)** for exclusive tender be provided through DD in favour of "Junagadh Agricultural University Fund A/c"
2. The **EMD** (Earnest Money Deposited) for an equivalent amount 3 % (three percent) of quoted rates per item has to be paid in **form of FDR only**, from any nationalized Indian Banks drawn in favour of "Junagadh Agricultural University Fund A/c" payable at Junagadh in the Envelop-1. Quotation without EMD will not be considered. In case of unsuccessful tenderers the Earnest Money deposit (EMD) will be released after finalization of the tender, while in case of successful tenderers / suppliers the Earnest Money so deposited (EMD) will be released after successful completion of supply.
3. Manufactures must submit **certificate of registration** as manufacturer in the envelop-2.
4. **Authorized dealer/distributor of a company have to submit** a copy of their dealership/ distributorship certificate validated by the company for the Current year for each equipment in envelop-2. In case of a chain of dealership (Area dealer sub dealer, local dealer), all the relevant Authorization certificates up to the end supplier has to be submitted of each equipment in envelop-2.
5. Each page of the tender documents should be signed by the authorized signatory of the firm. Unsigned quotation will be rejected.
6. **Type of currency in price bid Bid:** Currency Prices shall be quoted in **Indian Rupees only**.
7. **Mode of Selection:-** The Technical bids are to be opened at the first instance and evaluated by a committee. At the second stage, financial bid of only bidders who fulfill all the criteria of Technical bid will be opened.
8. The selection of Bid for purchasing the equipment, will be made solely on the basis of lowest rate. A bid will be declared L-1 on the basis of total lowest procurement value.
9. **All applicable Taxes shall be mentioned clearly and separately.**
10. In case of imported instruments, suppliers will have to clear the consignment; will have to pay custom duty clearance charges. **Custom duty exemption certificate (Registration with DSIR) only will be provided.**
11. **Selected bid party has to supply and install the equipment at the site** and the actual cost of transportation, up/down loading, installation, commissioning, etc. should be mentioned separately & clearly otherwise it will be assumed that all above costs are



- inclusive (F.O.R should be CAET, JAU, Junagadh)
12. Should provide minimum **1 year warranty** from the date of installation **OR** as per the **general condition given in the specification** of the equipment.
  13. Compliance to carry out user acceptance test with **test run as per standard** and other tests that qualify the specifications offered
  14. Vendor may quote for higher version (output) system however, base prices will be considered for given specifications only for comparison purpose.
  15. Vendors please specify separately cost if any **civil work** is required including Material and construction of suitable size foundation for installation of the system.
  16. The manufacturers shall have to stick to their **quality standards** while supplying the goods. Goods supplied shall be rejected if found of inferior quality.
  17. On scrutiny of tender documents, any queries raised by the committee have to be replied satisfactorily with all documentary proofs within 7 days.
  18. Payment will be made as per JAU rules only after satisfactory installation and demonstration/testing/training.
  19. The **list of customers and complete illustrated literature** should be enclosed with the tender form in the envelop-2.
  20. Tenderer will have to **attach original colour catalog** of the each quoted product ensuring exact specifications in the envelop-2.
  21. Post bid scrutiny will be done by instrument committee nominated by the university authority. Commercial rate of the disqualified parties will not be considered.
  22. Vendor giving wrong information on specification will be **black listed for the period of 5 years**.
  23. In case of **defective items, the same shall have to be replaced by the party concerned** at its own cost, and risk, and within stipulated time.
  24. Being an education institution we are eligible for exemption of excise duty / custom duty. Hence, rates should be quoted keeping that in mind.
  25. **Number of items to be purchased may be varied** according to requirement.
  26. In the case of delayed supply of material within stipulated period, it will be at the discretion of the university to accept delivery with late delivery clause @1% per week maximum to the extent of 10% of the ordered value for delayed supply.
  27. **Security deposit @ 5 % of the work order and stamp duty@ 5.50% of the security deposit** for the successful tenderer in the form of FDR has to be submitted for the period

of 18 months before receiving the purchase order.

28. The instrument/equipment will be purchased within the provision of fund allocated/available.

**Rates Validity: up to 31<sup>st</sup> December, 2023.**

29. Legal action may be initiated against such tenderer in case any of the information submitted by the tenderer is found to be false at any stage of the contract.
30. For any dispute, final decision of the Vice-Chancellor, JAU, Junagadh will bound to supplier/s.
31. University reserves the right to accept/reject any or all the tenders without assigning any reasons. No enquiry after submission of the quotation will be entertained.
32. For all legal purpose court jurisdiction will be Junagadh, Gujarat.
33. We agree to abide by the terms and conditions of supply mentioned in this tender document

Signature of Tenderer

(With Stamp, Name & Designation)

Authorized Signature:

Name: Designation: Seal of firm

**COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY  
JUNAGADH AGRICULTURAL UNIVERSITY  
JUNAGADH**

**SCHEDULE-B**

**LIST OF ITEMS/EQUIPMENTS/INSTRUMENTS WITH SPECIFICATIONS**

No.	Name of item	Specifications	Unit	Approximate Quantity Requirement	Quoted price (Rs/Unit) + state clearly all taxes separately	Specification matching (Yes/ If No, % matching)
<b>RENEWABLE ENERGY ENGINEERING DEPARTMENT</b>						
1	Industrial Magnetron	A forced air-cooled 2450MHz continuous wave magnetron designed for industrial heating applications is required. It should have packaged Magnet & probe output, which delivers the output up to 1450W with matched load and having probe output & it should be recommended to launch the output into the rectangular waveguide or the oven cavity directly. It should have mounting, airflow as well as a connector in the same directions.Also, provide with <b>Thermostat</b> .	No.	4 Nos.		
2	HV Transformer	<ul style="list-style-type: none"> <li>Type: High voltage LC transformer for 1450 Watt magnetrons.</li> <li>Primary: 230V at 50 Hz Protected by a thermal switch. Opens at 140C.</li> <li>Thermal switch should be line circuit. Should be not connected into the the supervisory circuit.</li> <li>Secondary: High voltage equipped for magnetron type of 1450W-series</li> <li>Required capacitor: 1.3 uF.</li> <li>Power level: 1450 Watt microwave power in a matched load.</li> <li>Switch on/off: 100%. Insulation class: T40/E.</li> <li><b>Including Diode and High Voltage Capacitor</b></li> </ul>	No.	4 Nos.		

3	Rotary Airlock Valve	<ul style="list-style-type: none"> <li>• 200 mm (8") Rotary valve in Stainless steel/ cast iron material.</li> <li>• Material Handled: Agriculture Residues/ waste, Material Size: 2 mm to 10 mm, Bulk Density: 160 kg/cu m of the material, Ability to <b>handle 500-600 degree Celsius temperature</b> in totally air lock condition.</li> <li>• Maximum number of blades in contact with body at one time without affecting throughput.</li> <li>• Good throat opening at valve entry allowing high pocket filling efficiency. Minimum clearance at rotor tips and sides with body. Robust body adequately stiffened to prevent distortion. Heavy shaft diameters minimizing deflection. Outboard bearings for non-contamination. Packing gland type seals.</li> </ul>	No.	2 Nos.		
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Signature of Tenderer

(With Stamp, Name & Designation)