**BHARATHIAR UNIVERSITY: COIMBATORE - 641 046**

**No. BU/R-D2/Env.Sci/Equip/13136/2020-21 Dated: 25.09.2020**

**TENDER NOTICE**

Sealed Tenders are invited by the Registrar, Bharathiar University, Coimbatore 641 046 **upto 3.00 p.m. on 13.10.2020** for the supply **of 1 No. of Microwave Digester** to the Dept. of Environmental Sciences, Bharathiar University.

 Tender Documents can be downloaded from **our website:** [**www.b-u.ac.in**](http://www.b-u.ac.in)**. From 25.09.2020 to 13.10.2020.** The cost of the tender documents **Rs.1,575/- and EMD Rs.17,000/-** has to be enclosed in the form of DD or by bank challan in the Bank of India, Bharathiar University drawn in favour of **“The Registrar, Bharathiar University, Coimbatore” while submitting the tender.**

 **REGISTRAR i/c**

**BHARATHIAR UNIVERSITY COIMBATORE: 641 046**

**TENDER CONDITIONS AND INSTRUCTIONS FOR THE SUPPLY OF**

**1 No. of Microwave Digester**

1. Sealed Tenders will be received by the Registrar up to 3.00 p.m. on **13.10.2020** for the purchase of “**1 No. of Microwave Digester”** to the Dept. of Environmental Sciences, Bharathiar University, Coimbatore as given in the schedule.
2. **The tender shall be submitted in a sealed cover superscribed as “Tender for the purchase of “1 No. of Microwave Digester” to the Dept. of Environmental Sciences, Bharathiar University, due on 13.10.2020 at 3.00 p.m.**
3. **The tenders will be opened by the Registrar in the Registrar’s Chamber at 4.00 p.m. on 13.10.2020 in the presence of tenderers who are present.**
4. Each tender shall be accompanied with an **EMD of Rs.17,000/- (Seventeen thousand only)** in the form Bank of India Challan or DD drawn in one of the **Nationalized Banks** in the name of “Registrar, Bharathiar University” payable at Coimbatore. Cheques and Bank Guarantees will not be accepted. Tenders without EMD shall be summarily rejected. EMD will not carry any interest.
5. Tenders received late will be returned to the tenderer unopened.
6. The entries in the tender schedule shall be as for as possible without scoring, corrections and over writings and shall be legible. The unavoidable correction or scoring shall be attested by full signature of the tenderer. The tenderer should sign on each page of the tender document.
7. In the tender schedule the tenderer should quote his rates for each item separately in figures and words in the corresponding column.
8. If the rates quoted in the schedule differ in words and figures, the lowest quoted rate will be taken. The unit rates quoted in the schedule is those governing payment.
9. Taxes or any other charges if any shall be clearly mentioned specifying the percentage. If this is not specifically mentioned it will be taken that the rates quoted are nett.
10. **If the tenderers quotes the price with GST, should mention the valid GST registration Number along with the copy of the registration Certificate**.
11. The rate quoted shall be for delivery at University Campus.
12. No revision of rates at any cost will be accepted.
13. Tender documents are not transferable.
14. The tender shall be submitted only in this official form and the tenderers should sign on each page of the all tender documents and enclosed without any omission.
15. **The tender shall be valid for a minimum of 180 days from the date of opening**. Tenderer should not withdraw his tender after the tenders are opened. In case the tender is withdrawn after it opened, the EMD remitted will be forfeited.
16. The EMD of the unsuccessful tenders will be refunded immediately after the tenders are disposed of by the competent authority.
17. Successful tenderer shall remit a **security deposit of 5.5%** of the accepted tender order value and execute an agreement on Tamilnadu stamp paper to the value of Rs.100.00. Failure to execute the agreement within the stipulated time will entail in forfeiture of the EMD. Security Deposit will be refunded after audit/warranty period is over.
18. The material should be supplied within the stipulated period mentioned in the supply order. If the supply is not made within the period the supply order will be cancelled and EMD will be forfeited.
19. The materials quoted shall confirm **ISI standard**. The make of the materials shall be mentioned in the tender.
20. Any dispute arising out of this contract shall be settled only at the court having jurisdiction of Coimbatore.
21. The authority competent to accept the tender reserves the right to reject or accept any tender without assigning any reasons thereof.
22. Regarding the acceptance of supply with reference to the specification and quality of materials supplied. The decision of University Registrar shall be final.
23. The University’s general rules for the supply of the materials and works will apply on this purchase also.
24. The tender is submitted subject to and agreeing to the above conditions. Original tender documents should be enclosed otherwise it will be liable for rejection.
25. Downloaded tender documents should be accompanied with tender cost and EMD in the form of DD drawn in favour of the Registrar, BU.

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| Cost of Tender document ( to be filled by the tenderer) |
| **DD/Challan No** | **Date** | **Amount** | **Bank** |
|  |  |  |  |

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| --- |
| Details of EMD Amount (to be filled by the tenderer):  |
| **DD/Challan No** | **Date** | **Amount** | **Bank** |
|  |  |  |  |

 **SIGNATURE OF THE TENDERER**

 **MOBILE NO:**

**BHARATHIAR UNIVERSITY: COIMBATORE 641 046**

**1 No. of Microwave Digester**

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| --- | --- | --- | --- |
| **S. No** | **Specifications** | **Qty****Req.** | **Total Amount****Rs. (Nett)** |
| **1** | **PARAMETERS** **MICROWAVE FEATURES****Power supply:** 200-230 V, 50/60 Hz, 1350-2300 W**Microwave power output:** 1000 -1450 W**Frequency:** 2450 MHz**Dimensions (W × D × H):** Standard Size**Oven diameter × Height:** Standard Size**Noise level:** <60 dB**Ambient conditions:** 15-35°C/85% relative humidity**Interface of the control unit:** Ethernet, USB, RS232**Memory:** 64 MB Flash, 148 MB SDRAM, 1 GB SD card**Language software:** English**Coating:** 90μm PFA (fired at least 350°C)**Interne diagnostic:**Magnetron status, Magnetron temperature, oven temperature, High voltage transformer, lid block.**Temperature measurement:** Range 50-300°C, Accuracy 1°C at 200°C**Pressure measurement:** 0-150 bar (0-2180 psi), Accuracy 5 bar**Turntable function:** Continuous clock wise rotation at approximately 4-6 rpm**Vessel:** Specific pressure vessels made up of high quality PTFE-TFM Volume: 40-100 mlOperating pressure: 40-100 bar (580-1450 psi)Test pressure: 55-150 bar (798-2180 psi)Temperature continuous: 230°C -250°CTemperature max.: 260°C-300°CSample capacity vessels/rotor: 12-24**Oven:** High quality stainless steel housing with PFA coating**Exhaust:**The system should have inbuilt exhaust system to cool thevessels and to drive away if any fumes in the cavity-essential**Warranty:**Comprehensive onsite warranty including instrument parts and labour for three years including magnetron and digestion vessels, after successful installation of the system should be provided**Manual with Technical Information:** Two sets of manuals (operational and technical) should be provided for the complete System (Temperature Measurement, Pressure Measurement, Safety, Digestion Vessels, Evaporating units, Accessories, Applications).**Operation:** The separate control unit with a power PC and touch screen is essential**Safety measures:** Durable, pressure resistant PFA coated stainless steel oven, swivelling lid with electronic lock and interlock switches to monitor the swing top lid will be preferred. Three excess temperature switches to monitor the oven temperature and the electronic devices and provision for shut down in case of critical operating conditions are also essential. Excess pressure protection along with integrated gas collection system to effectively prevent emission should also be provided.**Installation and Training:** Manufacturer/Supplier should install and successfully run the basic instrument with all accessories at DES, BU. Training must be provided to faculties/students after successful installation of instrument at DES, BU**Spare parts and Consumables:** The supplier should quote all essential spares and consumable kit and peripherals, which are not covered under comprehensive warranty for basic instrument and in the opinion of the bidder, is essential for ensuring trouble free performance for the quoted system and supporting units for three years. Bidder should ensure that spare parts will be supplied for same model for three years from the date of installation. | **1 No.** |  |
|  |  **GST**  |  |
|  | **Nett amount Rs.** |  |

 **NETT rate should be quoted.**

 **SIGNATURE OF THE TENDERER**

**NOTE:**

 1. Please quote the price with make of the items, without make the tender will not be considered.

1. The University is eligible for exemption of Central Excise Duty as per Government Notification No: 10/97 Central Excise Dt. 1.3.97. Hence, the item price may be quoted separately (i.e.) unit price & taxes etc; only. The University will be given necessary exemption form for Central Excise. It is also eligible for Customs Duty exemption as per the Government Notification No: 51/96 Customs Dt. 23.06.1996.
2. The firm may be quoted the rate as per the tender specification, the rate quoted by the firm will be considered if it is only as per the tender specifications. If there is any deviation of specification from the tender specification, the tender will not be considered.
3. The Original tender form should be submitted to this office along with the tender schedule.