**BHARATHIAR UNIVERSITY: COIMBATORE 641 046**

**TENDER NOTICE**

**Ref.No. C7 /CRTD/ M.Sc Medical. Biotech**/**DBT/705-1/2021 Date: 01.11.2021**

Sealed Tenders are invited by the Registrar, Bharathiar University, Coimbatore

641 046 up to 3.00 P.M on **24.11.2021** from the reputed firms for the supply of **Real-time PCR** to the **DBT, M.Sc Medical Biotechnology Program, Dept of Biotechnology.**

 Tender documents can be downloaded from our website [www.b-u.ac.in](http://www.b-u.ac.in) **from 02.11.2021 to 24.11.2021. The tenders shall be submitted along with the tender cost of Rs. 1560/- and EMD of Rs.12,000/- in the form of DD drawn in favour of the Registrar, Bharathiar University payable at Coimbatore**

 **REGISTRAR i/c**

 **BHARATHIAR UNIVERSITY**

**BHARATHIAR UNIVERSITY –COIMBATORE 641 046**

**TENDER TERMS AND CONDITIONS**

1. Sealed Tenders will be received by the **Registrar, Bharathiar University from the reputed firm** up to **3.00 p.m. on 24.11.2021** for the **supply of Real-time PCR** for the **DBT, M.Sc Medical Biotechnology Program, Dept of Biotechnology as specified in the schedule**
2. Tender should be addressed to the Registrar, Bharathiar University and should be only in sealed covers by Registered post/ or in person. Tenders received in ordinary covers without seal will not be considered.
3. The tender shall be submitted with **Ref. No. should be superscribed as “Tender for the supply of Real-time PCR**, **DBT,M.Sc Medical Biotechnology Program, Dept of Biotechnology, Due on 24.11.2021**. The covers received without such superscription will be rejected summarily.
4. Tender shall be accompanied with the **requisite tender cost of Rs. 1560/- and EMD Rs. 12,000/- in the form of DD drawn in one of the Nationalised Banks in the name of “Registrar**, **Bharathiar University” payable at Coimbatore**. **Cheques and Bank Guarantee will not be accepted**
5. Tenders without EMD shall be summarily rejected. EMD will not carry any interest. If tenderers specifically exempted by the Government from the payment of earnest money deposit /tender cost necessary certificate should be enclosed for exemption otherwise it will be liable for rejection
6. **The tenders will be opened on 24.11.2021** **at 4.00 p.m. by the Registrar or his/her nominee in the presence of the tenderers** or their representatives who may be present at the time of opening. The representatives of the tendering firms who are attending during opening of the tenders should bring **a letter of authorization** from the tendering firms, which they represent to identify their bonafied

 If the tenderers are unable to participate at the time of tender opening kindly be informed to

 the Registrar through mail **purchasesection4@gmail.com**

 Tenders received late i.e. after 3.00 p.m. on due date will be returned to the tenderer unopened

1. The tender shall be valid for a maximum period of 180 days from the date of opening of the tender in acceptance .
2. If the tender validity is less than 180 days the tender will be rejected as non-responsive tender. Tenderer should not withdraw his tender after the tenders are opened. In case the tender is withdrawn after it opened, the EMD will be forfeited and black listed.
3. The rate should be quoted for item with specification and model if applicable and should be indicated clearly both in words and figures. Any scoring of overwriting should be attested by the tenderers with full signature. The rate quoted should be firm and should not subject to any variation clauses.
4. The EMD of the unsuccessful tenders will be refunded immediately after the tenders are a disposed of by the competent authority.
5. Successful tenderer shall execute an agreement for the fulfillment of contract in the Rs.100/- stamp paper of TamilNadu as per the model format. The conditions stipulated in the form should be strictly adhered to and violation of any of the conditions will entail termination of the contract without prejudice to be right of the University and to recover any consequential loss from the successful tenderer.. If failed to provide the agreement, then the EMD and Security deposit will be forfeited
6. .**Successful tenderer shall remit a Security deposit 5.5% to the order value**. The EMD will be refunded to the successful firm after remittance of security deposit or it may be adjusted towards Security deposit. Security Deposit will be refunded at the end of warranty period as per the purchase order subject to the satisfaction of the University.
7. If the Successful tenderer failed to act up to the tender or backs out when his tender accepted the EMD will be forfeited
	1. The material should be supplied strictly in accordance with the specifications given in the Schedule and should fulfill the successful tests carried out by the Competent Authority of the University. The supply and installation should be made as per the delivery schedule to be sent by the Registrar along with the exact location of the work. The guarantee period shall take effect from the date of installation . Successful tenderer shall be liable to change any defective part during the warranty period. In either case the damaged or defective items will have to be taken back at supplier’s cost and risk.
8. The installation should be completed 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 the EMD & Security deposit will be forfeited.
9. The materials are to be guaranteed as per the required warranty period . The warranty period specified will commence from the date of installation .
10. The materials quoted shall confirm to ISI standard. The make of the materials shall be mentioned in the tender.
11. Any dispute arising out of this contract shall be settled only at the court having jurisdiction of Coimbatore.
12. The authority competent to accept the tender reserves the right to reject or accept any tender without assigning any reasons thereof.
13. Regarding the acceptance of supply with reference to the specification and quality of materials supplied, the decision of Registrar shall be final.
14. **Price:**
15. **For Imported:**  The Price shall be quoted in Currency for CIF Chennai /CIP Chennai / FOR Coimbatore..

 **b)For Indigenous** : Quote the price in INR inclusive of plus GST , packing , transportation

and warranty. Separate charges for warranty will not be considered at any cost ,

1. The University is registered with DSIR and eligible for exemption towards customs duty as per the Government Notification No: 51/ 96 Customs Dt.23.7.1996.and Central excise duty as per Government Notification No.10/97 Central Excise Dt: 1.3.1997. Central Excise Dt: 1.3.1997. The GST and IGST will be paid as per Govt Notification No.45/2017 –Central Tax (Rate) &47/2017-Integrated Tax(Rate) dated 14.11.2017 : NO. 9/2018-Central Tax(Rate), No.09/2018- Union Territory Tax(Rate) & No.10/2018 – Integrated Tax(Rate) dated 25.01.2018: and State Tax(Rate).
2. The customs duty after providing duty exemption certificate (DSIR) if applicable as per customs tariff for the said equipment shall be paid by the local supplier /Clearing agent at the time of Customs clearance which will be reimbursed subject to the condition on submission of original customs bills to the University after delivering the equipment to the department concerned..
3. The Customs clearance , transportation and delivery charges up to the University have to be borne by the firm. Necessary documents will be provided after receipt of original invoice/Cargo Arrival/Shipment notice from the Principal Supplier
4. **PAYMENT** :
	1. If the quoted price in currency . The payment will be made by irrevocable Letter of Credit (LC) (OR) Currency wire transfer in favor of the Principal Supplier (only after supply ) Advance Currency Wire transfer is not applicable
	2. If the quoted price in INR, the payment will be made after supply and installation. No

 advance payment will be made .

1. **Additional Documents required**
	1. GST Number along with the copy of the registration Certificate
	2. PAN Number along with the copy of PAN
	3. Company Profile.
	4. Copy of the supply order and installation record at reputed institutions / organizations and sufficient service back-up in Tamil Nadu
	5. Any other relevant details in support of the item specified.
	6. Full descriptive particulars and manual of the equipment
2. The University will not offer any explanation to those tenderers whose bid has not been

found acceptable by the competent authority

1. The University’s general rules for the supply of the materials and works will apply on

 this purchase also.

1. No communications from any tenderer adding to/adhering or explaining any terms of
2. the tender will be considered prior to the submission or after opening of the tenders by the

 competent authority

1. In case of any modifications in specifications/terms and conditions/ any clarifications to the bid document it will be hosted in our website only and bidders are requested to log on to our website from time to time regularly for any amendment and no separate corrigendum will be issued in this regard.
2. The tender shall be submitted along with the downloaded tender documents subject to and agreeing the above conditions duly attested and certified.

**TO BE FILLED IN BY THE TENDERER:**

|  |  |
| --- | --- |
| **Tender Cost** | **EMD** |
| **DD No /Date** | **Amount** | **DD No/Date** | **Amount** |
|  |  |  |  |

 **SIGNATURE OF THE TENDERER**

 **SCHEDULE**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Specifications** |  **Qty** | **Price**  |
|  | **Real-time PCR machine*** **System:** should allow to use all commercially available reagents and consumables

The system should be an Open system capable of running various chemistries so that Different chemistries using TaqMan, Molecular Beacon, SYBR green etc all can be performed.System should have one channel dedicated for FRET experiments without the need of a service engineer to change the filters.The system should be an Open system capable of running various chemistries so that Different chemistries using TaqMan, Molecular Beacon SYBR green etc all can be performed.The system should be capable of networking with multiple systems in the future.System should be provided with a license copy of qbase plus software from Biogazelle which is RDML compliant, and helps in Normalization, to access post –PCR Quality, helps in inter run calibration,geNorm,helps in bio-statistical analysis, CNV Analysis and MIQE Compliancy.System should be compliant with the MIQE Guidelines* **Software:**

User friendly software shall work without PC, Software PC .Software provided with instrument should be able to perform all standard Real time PCR protocols.Software should have express load feature which allows entry of data after experiment Software should be capable to import and analyze data from any real time PCR platform and the system should be supplied with suitable computer.* **Number of samples per run:**

Real time PCR with block of 96 x 0.2 ml tubes or plate to run typical o.2ml tubes, strips, and plates * **Sample volume:** 1µ1 - 50µ1 or better

System should have 6 Peltier Cooling & Heating for uniform temp control Method of temperature monitoring should be calculated and BlockSystem Should have a Detection of 2 or more different fluorescent reporters in the same tube without the use of ROXSystem should be capable of Detecting FAM/Sybr Green,VIC,HEX,TET,CAL Fluor Gold 540 or more.The system should have a ramp rate of: 5°C per sec or better.System should have one channel dedicated for FRET experiments without the need of a service engineer to change the filters.System should have a mass reduced block to offer better average ramp rate and 10 sec of settling time.System should have an Excitation –Emission range of 450-580nmNo internal reference dye should be required. True 2 Color Multiplexing with use of 2 different fluorophores without the need of addition of any internal reference dye.System should have 3 filtered LEDs as an excitation source with 3 filtered Photodiodes for detection.* **Temperature:** Temperature range 0 – 100 °C with accuracy of ±0.2°C and uniformity of ± 0.4°C within 10 sec of arrival at 90°C
* **Gradient capability:** System should have a gradient capacity with dynamic ramping.
* **Other technical details:**

System should have built in data analysis modules with advance features like well highlighting, QC flags and custom data view assist with quick analysis.System should be capable to perform Automatic allelic discrimination by end point fluorescence or threshold cycle.System should be capable to perform Gene expression analysis by relative quantity(ΔCt) or normalized expression (ΔΔCt).System should perform end point analysis for upto 2 fluorophores System should have mode for Melt curve analysisSystem should have Comparison of upto 5000 Ct values from different data files should be possible.System should be compatible for HRM applications.System should have the feature of Email notification with date file after run completion**Warranty:** Minimum Three Years of warranty | 1 No |  |

  **SIGNATURE OF THE TENDERER**