

DAV University,
Sarmastpur,
Jalandhar - Pathankot National Highway (NH 44)
Jalandhar - 144 012 (Punjab)

(Tender Document for Purchase of Real-Time PCR Thermal Cycler for CSIR-HRDG
Research Project)

Bids are hereby invited in respect of the item mentioned below in two envelop system. The quotations should be sent directly on the above address in the sealed cover so as to reach this office on or before **5 April 2019, 5:00pm.**

The right of acceptance or rejection of any quotation without assigning any reason is reserved. Necessary literature of the equipment may please be sent. Please quote for F.O.R. at Site, DAV University, Sarmastpur, Jalandhar / Destination.

The quotations should be accompanied by earnest money (as mentioned in Section-III) in shape of Bank Draft in name of Registrar, DAV University, Jalandhar and terms & conditions duly signed by bidder.

Note: - The complete tender document may be downloaded from the University website i.e. www.davuniversity.org

	Event	Date & Time
I	Earnest Money	EMD as mentioned in Section III, is to be deposited in the form of Demand Draft, favoring Registrar, DAV University, payable at Jalandhar
II	Cost of Tender Documents/Applicati on Fee. (Non-Refundable)	Cost of Tender Document: Rs. 500/- to be deposited as DD/Bankers' Cheque along with EMD / Technical Bid

I	Date of publication	27/03/2019
II	Downloading of tender document	Start date:- 28/03/2019 End date:-05/04/2019
III	Physical submission of Tender with EMD and other necessary pre-qualification documents.	Start date: 28/03/2019 End date: 05/04/2019
IV	Opening of Technical Bid and meeting for scrutiny of technical bid and declaring eligible bidders.	Date: 08/04/2019 at 12.00 Noon
V	Opening of Financial Bid of only eligible technically qualified bidder determined by Committee.	To be informed after checking eligibility/Technical Specifications
VI	Place of opening of bids	Admin Block, D.A.V. University, Jalandhar-Pathankot National Highway (NH-44) Sarmastpur, Jalandhar -144 012, Punjab, India
VII	Address for communication	Registrar, D.A.V. University, Jalandhar-Pathankot National Highway (NH-44) Sarmastpur, Jalandhar -144 012, Punjab, India

Registrar,
D.A.V. University,
Jalandhar-Pathankot National Highway (NH-44)
Sarmastpur, Jalandhar -144 012, Punjab, India

CHECKLIST FOR TENDER DOCUMENT

S. No	Checklist	Tick (Yes/No)
1.	Whether EMD, Cost of Tender Document as mentioned above in the shape of Demand draft/ Banker Cheque in favor of Registrar, DAV University, payable at Jalandhar has been attached? If yes, DD/B.C No._____dated_____and _____ name of the Bank DD/B.C No._____dated_____and _____ name of the Bank	Yes/No
2.	Have you made three separate envelopes named Technical Bid, Financial Bid & Earnest Money/Application Fee	Yes/No
3.	Have you put the envelopes mentioned in S. No 2 (above), in a single envelope and named “ Tender for purchase of Real-Time PCR Thermal Cycler ”	Yes/No
4.	Have you sealed all the above mentioned envelopes Properly	Yes/No
5.	Have you signed the terms and conditions mentioned in Section-VI and enclosed with technical bid.	Yes/No
6.	Have you enclosed the technical compliance chart for the items quoted as mentioned in Section-VII.	Yes/No
7.	Have you mentioned your address on the envelope mentioned in S.No 3 (above)	Yes/No
9.	Have you written the following address on the envelope mentioned in S.No 3 (above) <p style="text-align: center;">Registrar, DAV University, Sarmastpur, Jalandhar - Pathankot National Highway (NH 44) Jalandhar - 144 012 (Punjab)</p>	Yes/No
10.	Do you agree to provide delivery period less than 8 weeks in view of condition No. 5 of Section-VI?	Yes/No
11.	Do you agree that no advance payment will be made by the DAV University in view of condition No. 12 of Section-VI?	Yes/No
12.	Do you agree to provide the items F.O.R. at Site, DAV University, Sarmastpur, Jalandhar?	Yes/No
13.	Do you agree to provide 04 months validity of tender as per condition No. 33 of Section-VI?	Yes/No
14.	Have you submitted the rates only in Financial bid ?	Yes/No
15.	Have you submitted the authorized dealer/distributer certificate	Yes/No

SECTION-I

1. Invitation for Bids

1. Tenderers are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the Tender document or submission of a bid not substantially responsive to the Tender document in every respect will be at the tenderers risk and may result in the rejection of the bid.
2. Sealed offer should be submitted to Registrar, DAV University, Sarmastpur, Jalandhar, not later than the date and time laid down, at the address given in the schedule for invitation to Tender under Clause 8 (A) of Section I.
3. All bids must be accompanied by a refundable earnest money/bid security (as mentioned in Section-III) in the form of Bank Draft / Bankers Cheque drawn from a scheduled bank in favour of the Registrar, DAV University, Jalandhar, payable at Jalandhar.
4. This tender document is not transferable. The categories of items and quantity indicated in the Tender Document are tentative, DAVU reserves the right to increase or decrease the quantity or delete some or all of the items depending on the needs of the Departments/ University without assigning any reasons.
5. The tenderer should indicate specifically the Basic Price, Taxes/GST, other duties (if any), and levies chargeable. No additional information will be entertained after due date.
6. The tenders will be opened on the date and time indicated in the presence of tenderers, if any, present on the occasion. If the date of opening/receiving is declared to be a holiday/s the tenders will be opened/received on the next working day at the same time.
7. Payment of bill will be made on receipt/installation/demo of material as per purchase order through crossed account payee Cheque/RTGS/NEFT.

8. Schedule for Invitation to Tender

- A) Address at which tender is to be submitted by hand/post:

**Registrar
DAV University,
Sarmastpur,
Jalandhar - Pathankot National Highway (NH 44)
Jalandhar - 144 012 (Punjab)**

- A) Last Date and time for receipt of Tender: **5 April 2019 at 5:00 PM**

- B) Date, time and place of opening of technical bid of the tender document:-

Date: 08 April 2019

Time: 12:00 Noon

Place: Admin Block

DAV University, Sarmastpur, Jalandhar

The date of opening of the financial bid will be informed only to the technically successful bidders later on.

- C) Date till which the tender is valid: 04 months from the opening of tender.
- D) DAV University shall not be responsible for any postal delay about non receipt/non-delivery of the documents.

SECTION-II

Procedure for submission of Bids

It is proposed to have Two Bid System for this tender.

- (i) Technical Bid in one cover
 - (ii) Financial Bid in one cover
1. **Technical Bid** would be evaluated as per tender's terms and conditions. Technical bid should be covered in a separate sealed cover superscribing the words "Technical Bid as per Section-V" for each equipment separately.
 2. **Financial Bid** should be submitted as per prescribed format laid down in Section-IV. The financial bid should be covered in a separate sealed cover superscribing the wordings "Financial Bid as per Section-IV" indicating item wise prices.
 3. **The Earnest Money/bid** security (as mentioned in Section-III) and cost of tender, is to be paid in the form of the Demand Draft, the draft should be in a separate sealed envelope and enclosed with the technical bid.
 4. All the document viz. **Technical Bid** cover, **Financial Bid** cover and **Earnest money** cover prepared as above are to be kept in a single cover super scribed with "**Tender for purchase of Real-Time PCR Thermal Cycler**".
 5. The cover thus prepared should also indicate clearly the name and address of the tenderer to enable the Bid to be returned unopened in case it is declared "late".

2. Cost of Bidding

The tenderer shall bear all costs associated with the preparation and submission of its Bid, including the cost of presentation for the purpose of clarification of the bid, if so desired by the University and the University will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering Process.

3. Clarification of Tender Document

A prospective tenderer requiring any clarification of the Tender Document may notify the University through email at the University's e-mail address: registrar@davuniversity.org. The University will respond to the request for clarification of the Tender Document, received not later than 07 working days prior to the last date for the receipt of bids prescribed by the University.

4. Amendment of Tender Document

- 4.1 At any time prior to the last date for receipt of bids, the University may for any reason, whether at its own initiative or in response to a clarification requested by a prospective Tenderer, modify the Tender Document by an amendment.
- 4.2 The amendment will be notified on the website of the university www.davuniversity.org.

- 4.3 In order to afford prospective Tenderers reasonable time in which to take the amendment into account in preparing their bids, the University may, at its discretion, extend the last date for the receipt of the Bids.

5. Language of Bids

The bids prepared by the Tenderer and all correspondence and documents relating to the bids exchanged by the Tenderer and the University, shall be written in English language, provided that any printed literature furnished by the Tenderer may be written in another language so long as accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

6. Documents comprising the Bids

6.1 The Bids prepared by the Tenderers shall comprise of following components:

- I. Bid to be furnished as per the format for technical specifications (Section V).
- II. Technical literature for each product/service, covering full technical specifications.
- III. Submitted the authorized dealer/distributor certificate with technical bid.
- IV. Bid prices should be quoted item wise excluding taxes duly signed and complete as per the format (Section IV).
- V. Maximum educational discount as could be offered should be mentioned.
- VI. **Enclose the technical compliance chart for the items quoted as mentioned in Section-VII along with the technical bid separately.**

SECTION-III

EMD

(Detailed Technical Specification given in Section V)

S. No.	Items	Units (in Nos.)	EMD (Rs.)
1	Real-Time PCR Thermal Cycler	1	20,000.00

Note:- All the items should be ISI Marked/good quality wherever applicable.

Warranty: - The supplier must warrant that the goods supplied under the contract are new, unused and the item being supplied has incorporated all recent improvements in design, materials as per specifications in this tender document. All Vendors (Manufacturers / Agents) must submit offers with at least **24 months on-site warranty after installation** at Site (DAV University, Jalandhar) **and/or as mentioned in the technical specifications.**

SECTION IV

Financial Bid

Rates should be submitted in the following format:

S. No.	Name of Equipment	Basic Price in lump sum Including Installation	GST / Taxes etc.	Freight / Shipment cost	Total Cost in lump sum FOR DAVU (Inclusive of all Taxes) and shipment cost if any.
1	Real-Time PCR Thermal Cycler				

- Rates should be quoted for complete experimental setup for each equipment and not for individual components.
- Rate should be F.O.R. at Site, DAV University, Sarmastpur, Jalandhar. (No labour will be provided by the University for Loading/Unloading)
- The percentage (%) of GST should be clearly mentioned in the quotation.

Signature of Bidder

SECTION-V

S. N o .	Specification	Description
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Detailed Specification of Real-Time PCR Thermal Cycler

1	System	An integrated system designed to perform Real Time PCR and post PCR end point analysis It should be an open system and compatible with reagents, chemistries, plastic ware & dyes from any third-party vendors
2	Application Range	Gene expression analysis, Genotyping, Pathogen detection, DNA methylation analysis, Mutation analysis, miRNA research, copy number variation
3	Excitation/Emission Source	Laser/ LED light source preferably with life-time guarantee spanning UV to infrared wavelengths
4	Detection System	Photomultiplier/Photodiode/ CMOS/CCD
5	No of colours	True 4 color/Filter or more preferably with dedicated hardware for HRM. Calibration of new dye without any hardware & filters change should be possible
6	Block Format	Peltier or Air based heating; 96 well block format; upgrade to 384 well block format should be available
7	Reaction Volume	5-100µL
8	Dynamic Range	10 orders of magnitude
9	Ramp rate	5 ^o C/sec or better
10	Thermal performance	Should not have edge effects Should have flexibility to set user defined temperature Temperature uniformity: ≤0.4°C, preferably eliminating the need for ROX reference dye Temperature accuracy: Minimum ±0.5°C or better Temperature resolution: ±0.02°C Temperature range: 0-100°C Should have lid heating upto 105°C or better
11	Run Time	40 cycles in 40–60 minutes
12	Sensitivity	Should detect differences ≤1.5-fold in target quantities in singleplex reactions Should detect even 1 copy of target sequence
13	Plastic ware supported	96 well plate, 8 well strips and individual standard 0.2 ml PCR tubes
14	Starter Kit	Starter Kit should be provided with reagents for 1000 reaction of SYBR green master mix, cDNA synthesis kit, RNA extraction kit, compatible 96 well plates (package of 100) and plate seal should be provided with the instrument within the cost of the instrument
15	Software	Unlimited user licenses with individual user management preferably integrated HRM tool with statistical analysis software
16	Essential Accessories	Should be provided with compatible power back up (minimum 2Kva online UPS) and branded PC / Laptop with minimum i5 processor and original windows 10 operating system, at least 8GB RAM, 500 GB hard disk and original software and other hardware like keyboard, mouse, wifi receiver etc.
17	Service and support	The Vendor should have a good service and application support back up. The Vendor should provide Comprehensive Training on the operation of the instrument, Chemistry options and software at installation site premises.
18	Warranty	Should have 2 years on-site warranty or more

SECTION-VI

TERMS AND CONDITIONS

1. An EMD/ bid security should be submitted along with the quotation separately in form of DD in favour of Registrar DAV University, Jalandhar. Tender without earnest money shall be considered unresponsive and rejected.
2. A Performance security of 10% of the cost of the equipment will have to be deposited by the successful bidder awarded the supply order in form of Bank Guarantee from a commercial bank which should be valid for 60 days beyond the completion of warranty.
3. Performance Security will be forfeited and credited to the institute in the event the supplier does not honor the warranty and other terms and conditions of the tender.
4. It may please be specified if the packing, insurance and Taxes etc. will be inclusive or extra of the prices quoted.
5. Please quote delivery period also. It should be less than 8 weeks from the date of supply order.
6. Catalogue should be sent along with supply.
7. Materials should confirm to safety specifications as mentioned in “Section V” for various items.
8. Only best quality should be quoted. The quotation for advance payment will not be accepted.
9. All legal disputes will be subject to Jalandhar Jurisdiction and will be interpreted under Indian Laws.
10. The Registrar DAV University reserves to himself the right to reject any or all quotations without assigning any reasons.
11. **No advance payment will be made. Payment will be released after satisfactory receipt of goods/ material, demonstration/ installation.**
12. The payment schedule will be as: Bills complete in all respect, verified and recommended by the department for payment, received in Accounts Branch upto 10th of the month will be cleared by 21st of the month & bills received upto 25th will be cleared by 7th of next month
13. The penalty will be imposed as deemed fit by the University, after the expiry of delivery period, mentioned in the purchase order.
14. **All the rates should be F.O.R., at site DAV University, Sarmastpur, Jalandhar, or as per the requirement of Department/Central Store.**
15. The University being a premier Education and Research Institute, **discounts** as applicable to Research Institute/Educational Institutes may be provided in the quotation.
16. The bidders shall not be allowed to change, alter or modify the bids after expiry of the deadlines for the receipts of bids.
17. The firm is entirely responsible for any damage or losses occurred to the material in the transit. The firm will lodge all complaints regarding the damage occurred in the transit and shall bear all expenses.
18. In a tender, either Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same tender for the same item/ product.
19. If an agent bids on behalf of the Principal/OEM, the same agent shall not bid on behalf of another Principal/OEM in the same tender for the same item/ product.
20. Bidder is not permitted to alter/modify their bids after the expiry of the deadline for receipt of the bid.

21. Situation in which bid security will stand forfeited is if a bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form, and in case of successful bidder, if the bidder fails to supply the equipment or to furnish performance security in accordance with the tender.
22. Bids received after the due date will not be considered.
23. The tenderer is required to bring their own testing and measurement instruments which are required for the installation, commissioning and testing. These can be taken back after completion of the process.
24. If price is quoted in foreign currency, the rupee equivalent price must also be indicated.
25. In case, any free gift scheme / cash scheme is launched by the company same will be offered by the vender to DAVU free of cost.
26. Generally the bid offer will be received /opened on the day as specified in the schedule. If the scheduled date is declared as a holiday, then the tender shall be received / opened on the next working day at the same time.
27. The agency shall arrange to provide demo to the concerned lab staff regarding operation / maintenance of equipment free of cost.
28. Warranty period Should be at least two years and/or as mentioned in the specifications, of the equipment from installation /Demonstration in the department.
29. **A technical compliance chart of the quoted product mentioning technical specifications of quoted product verses asked specifications is compulsory. Attach the compliance chart with technical bid for quoted product.**
30. **Detailed technical literature of the item quoted must be attached to support the technical compliance.**
31. **Tender validity should be 04 months from the opening of tender.**

All the terms and Conditions of this tender document are acceptable to me /us.

Signature of Bidder

SECTION-VII

Format for Technical Compliance

(Submit the Technical Compliance for each Equipment Separately with Technical Bid)

S. No.	Items	Specification	Units	Compliance	Deviation
1	Real Time PCR Machine	As mentioned in Section V	1		