

# **Bids in sealed cover are invited**

*For*

## **Procurement of Laboratory Equipments –**

**PCR- TOUCH SCREEN THERMAL CYCLER (GRADIENT)  
BENCH TOP REFRIGERATED CETRIFUGE  
BENCH TOP NON-REFRIGERATED CENTRIFUGE  
CIRCULATORY WATER BATH**

**Tender No: BEDF/2025/01**

**CPPP Ref. No. BEDF-2025-01**

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Note: The tenderer **should sign at each page of the tender and all its Annexure**. NO PAGE SHOULD BE REMOVED /DETACHED FROM THE TENDER DOCUMENT.

## **For the Supplier's of this Bid Document**

Firm offers are invited, in sealed covers **in two separate, sealed sub-envelopes** clearly super-scribed as **Technical Bid & Financial Bid**, for the Supply, Installation and Commissioning of **TOUCH SCREEN GRADIENT THERMAL CYCLER (PCR), BENCH-TOP REFRIGERATED CETRIFUGE, BENCH-TOP NON-REFRIGERATED CENTRIFUGE & CIRCULATORY WATER BATH** for Basmati Export Development Foundation Lab set up at the premises of Sardar Vallabhai Patel, University of Agriculture & Technology, Modipuram, Distt: Meerut, UP.

The other important information is being mentioned below at a glance for the ease of Bid:-

Date of Inviting bid	:	6 <sup>th</sup> March 2025
Bid closing date & Time	:	28 <sup>th</sup> March 2025 (5:00 PM)
Earnest money	:	<b>Rs.32,000/-</b> (Through of Demand Draft in favour of Basmati Export Development Foundation, payable at New Delhi <b>EMD Exemption not allowed</b> )
Validity Period	:	90 Days
Estimated cost of the work	:	<b>Rs. 32.00 Lakh</b>
Address	:	Director, Basmati Export Development Foundation (BEDF) (Founded by Agricultural & Processed Food Products Export Development Authority (APEDA) 4 <sup>th</sup> floor, NCUI Auditorium Building, 3 Siri Institutional Area August Kranti Marg, (Opp Asiad Village), New Delhi 110 016, India

## **(A) INSTRUCTIONS TO BIDDERS (ITB)**

### **THE BID DOCUMENT**

#### **1) Contents of Bid Document**

- i)** The scope of work, Bid procedure and contract terms and conditions are prescribed in the Bid document. The Bid document includes:
  - a.** Invitation for Submission of Tender in Hard Copy of the tender in two separate, sealed sub-envelopes, clearly mentioned as Technical Bid & Financial Bid.
  - b.** Section A : Instructions to Bidders
  - c.** Section B : Terms & Conditions
  - d.** Section C : Technical Bid (Applicable only for Works as mentioned in Bid Notice)
  - e.** Section D : Financial Bid
- ii)** The bidder is expected to examine all instructions, forms, terms and specifications in the Bid document. Failure to furnish all information required as per the Bid document or submission of Bid not responsive to the Bid document in every respect will be at the bidder's risk and may result in rejection of the said Bid.

#### **2) Amendment of Bid Document**

- i)** At any time prior to the deadline for submission of Bid, Basmati Export Development Foundation, New Delhi may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bid document by amendments. The relevant clauses of the Bid document shall be treated as amended accordingly.
- ii)** In order to allow prospective Bidders a reasonable time to take the amendment into account in preparing their Bids, BEDF, at his discretion, may extend the deadline for the submission of Bids.

#### **3) Documents Constituting the Bid**

The Bid prepared by the bidder shall comprise the following components:

**(a) Prequalification :-**

- (i) EMD Details** - It will consist of the E M D document in prescribed form.
- (ii) Eligibility Criteria-** It will consist of the details as per the Tender Document.

**(b) Financial Bid** - Financial Bid will comprise of:

- **Price Schedule**- includes Price Schedule in prescribed format.

#### **4) Bid Form:**

The bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the Bid document.

**5) Bid Currencies:**

Prices shall be quoted / calculated in Indian Rupees only.

**6) Documents establishing bidder's Qualification**

- i)** The bidder shall furnish, as part of its Technical Bid, documents establishing the bidder's qualification to perform the Contract if its Bid is accepted. The documentary evidence should be submitted by the bidder in Hard Copy. One copy of the technical bid along with all documents proof, earnest money shall be submitted in the sealed envelope to the office of the Director, BEDF, New Delhi before the closing time, the failure of that may cause the rejection of the Bid.
- ii)** The documentary evidence of bidder's qualification to perform the Contract if its Bid is accepted shall be as per Qualification Requirements specified in bid document.

**7) Bid Security/Earnest Money Deposit (EMD)**

- i)** The bidder shall deposit Bid security/ EMD as per the Tender notice through **Demand Draft/Pay Order in favour of Basmati Export Development Foundation, payable at New Delhi.**
- ii)** Amount of EMD will be the same as per tender notice whether a bidder apply for single equipment or more than one equipment
- iii)** Any Bid not secured in accordance with above shall be treated as non-responsive and rejected by **BEDF.**
- iv)** Unsuccessful bidder's Bid security will be returned at the earliest as possible after the acceptance of Bid.
- v)** The successful bidder's Bid EMD will be converted into security upon the bidder signing the Contract.
- vi)** The Bid security may be forfeited:  
if a bidder
  - (i)** withdraws its Bid during the period of Bid validity specified by the bidder on the Bid Form; or
  - (ii)** does not accept the correction of errors or
  - (iii)** modifies its Bid price during the period of Bid validity specified by the bidder on the Bid form

**8) Period of Validity of Bid**

- i)** Bid shall remain valid for 90 days after the date of Bid opening prescribed by BEDF. The Bid valid for a shorter period shall be rejected by BEDF as non- responsive.
- ii)** In exceptional circumstances, BEDF may solicit the bidder's consent to an extension of the period of Bid validity. The request and the response thereto shall be made in writing. A bidder may refuse the request without forfeiting its Bid security. A bidder granting the request will not be required nor permitted to modify its Bid.

**9) Format and Signing of Bid**

- i)** The bidder shall prepare one hard copy each of the Technical Bid and

Financial Bid separately.

- ii) The Bid document shall be signed, at the time of Submitting, by the bidder or a person or persons duly authorized to bind the bidder to the Contract. The later authorization shall be indicated by a scanned copy of written power-of-attorney accompanying the Bid. All the pages/ documents of the Bid that are to be submitted shall be signed by the person authorized to sign the Bid.

- 10) **Bid Submission:** - Completed bids signed by the authorized signatory of the bidder firm on each page at the bottom, super scribing “Bid for the supply of BEDF Lab Equipments – **“Equipment Name”** should be sent to the Director, BEDF, New Delhi. The proof of dispatch by the closing date will not be a proof of receipt and bids received late will be summarily rejected.

### **AWARD OF CONTRACT**

1. **Award Criteria:** BEDF will award the contract to the lowest evaluated successful Bidder whose bid has been determined to be responsive to all the conditions of the contract of the Bidding Document.
2. **Department's right to accept any Bid and to reject any or all Bids:** BEDF reserves the right to accept or reject any Bid at any time prior to contract award
3. **Notification of Award**
  - a. Prior to the expiration of the period of Bid validity, BEDF will notify the successful bidder in writing by letter/e-mail/fax, that its Bid has been accepted.
  - b. The notification of award will constitute the formation of the Contract.

11) **Formats for Bids:**

- a. Bidders are requested to give detailed offer in the formats mentioned in the Bid Document. The Bidder should furnish a Technical Compliance Statement for each parameter and every model in the format **‘Annexure A’**.
- b. If any terms and conditions of the bid are deviated by the bidder, the Deviation statement **‘Annexure C’** should be enclosed. If there are no deviations then the bidder should record ‘No Deviations’ in the Deviation Statement.
- c. The Price schedule for each and every model/equipment should be in the format enclosed as **‘Annexure B’**.
- d. The After Sales support details must be in the format **‘Annexure D’**.
- e. The list of users / firms who purchased similar equipment (CSIR/ ICAR/ ICMR/DAE/ DRDO/ DST/DBT/other Govt. or renowned private research Labs in India) must be in the format **‘Annexure E’**.

- f.** The warranty certificate to be given by the Manufacturer / Vendor should be as per '**Annexure F**'.
- g.** If the Bidder is furnishing EMD by Bank guarantee then the format given in **Annexure G** is to be used.
- h.** The bidder should fill up the check list **Annexure H'**.

Note: The bid prepared by the bidder, the technical brochures and all correspondence relating to the bid shall be written in English language only

## **(B) TERMS AND CONDITIONS**

### **1. Eligibility Criteria/Pre-Qualification requirement**

- 1.1** The bidder should be a manufacturer or representative specifically authorized by the manufacturers to bid on their behalf as per manufacturer authorization form and Indian agents of foreign principals, if any who must have designed, manufactured, tested and supplied the equipment(s). The bidder must have a minimum installation base of more than 10 instruments in India in various reputed labs and the company must be in the same field for more than 3 years.
- 1.2** The Indian Agents of foreign manufacturers/ suppliers quoting directly on behalf of their principals would be responsible to ensure that all stipulations as per Foreign Trade Policy are complied with.
- 1.3** One Indian Agent cannot represent two different foreign principals/Indian Manufacturers for the same equipment in this bid.
- 1.4** The Bidder will assume total responsibility for the fault-free operation of equipment, application software, and maintenance during the warranty period and provide necessary maintenance services for five years after end of warranty period.
- 1.5** In the case of successful Bidder not doing business in India already, the Bidder firm will appoint an Agent in India who is well equipped and able to carry out the Supplier's maintenance, repairs and stock spare parts.
- 1.6** Bidders even if they meet the criteria given above would be disqualified, if they have made untrue or false representation in the bid and/or in the statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, etc.
- 1.7** Bidder should have valid documentary proof of GST registration number and income tax registration (PAN).

## 2 GENERAL

- a) **The prices /rates of the instruments quoted should be indicated in words as well as in figures in India Rupees (INR) only.**
- b) Tenders received without depositing EMD amount will not be considered at all.
- c) The firms should give a declaration along with their technical bids that rates quoted in their financial bid are firm/valid for a minimum of one year period from the date of opening of tender.
- d) The firm should have valid GST Number details and last 03 years balance sheet and ITR document as required.
- e) The supplier should be an Original Equipment Manufacturer (OEM) company or authorized dealers.
- f) All Laboratory Equipments items supplied should be as per standard specifications given. If the items are not found satisfactory, the same will be sent back and all the expenditure will be borne by the supplier.
- g) The supplier should have complain redressal capacity to address it within 48 hours of complaint.
- h) In-case of exclusive distributor/manufacturer, authorization certificate is required for imported products.
- i) The material should be delivered at “**BEDF, Lab-cum- Office Complex, Old Campus of Sardar Vallabhbhai Patel University of Agriculture & Technology, Modipuram, Meerut-250110 (U.P.) INDIA**”.
- j) Free delivery and proper installation of the equipments at the site is mandatory.
- k) Transit Insurance will be borne by supplier till the supply reaches the destination.
- l) **Any legal disputes that may arise out of the contract shall be subject to the jurisdiction of a court in New Delhi, India.**
- m) The rates of taxes, if any, should be clearly mentioned. Otherwise it will be presumed that the rates quoted are inclusive of all taxes.
- n) The number of quantity may vary according to the requirements of the Institution. The BEDF has the right to change the quantity of orders or refuse the supply in parts or full or cancel the order without assigning any reason. No claim has to be made against the cancellation of change in the quantity of the order.
- o) The supplier shall supply all the items within 30 days from the date of receipt of the Purchase Order to the door delivery at “**BEDF, Lab-cum- Office Complex, Old Campus of Sardar Vallabhbhai Patel University of Agriculture & Technology, Modipuram, Meerut-250110 (U.P.) INDIA**”.

- p) **Undertakings:** The supplier has to give undertaking that the materials supplied are the original materials produced by the manufacturer.
- q) **Right Reserved by the BEDF:** BEDF reserves the right to accept or reject any tender or part thereof without assigning any reason and shall also be subject to the availability of sanctioned budget.
- r) **Warranty:** The supplier/bidder shall provide guarantee that all the equipments supplied as given in **equipment technical specification sheet**, to be purchased under this tender. They shall be of the best quality and workmanship and new in all respect.
- s) **Liability for Late Deliver and Non Delivery:**
- i. If the vendor fails to deliver the goods within the time as per purchase order, a sum equivalent to 0.75 percent of the Contract Value for each week of delay or part thereof until actual delivery will be deducted from the Contract Value, as liquidated damages, subject to maximum deduction of 5 percent of the Contract Value.
  - ii. For delay in installation beyond contract will attract penalty @ 1% per week with a maximum of 5% (beyond mutually agreed Installation & Commissioning schedule). Once the maximum is reached, BEDF may consider termination of the Contract. In case the supplier/agent defaults in the supply of goods as per the order placed by the BEDF, fails to deliver the goods within the stipulated time as indicated in the supply orders or even within the extended delivery date, the supply order lying with the supplier/agent should stand automatically cancelled and BEDF shall be at liberty to get the goods supplied from other available sources at the risk and cost of the defaulting supplier/agent. The additional expenditure so incurred for getting the goods shall be borne by the defaulting supplier/agent in addition to forfeiture of Earnest Money Deposit and if he fails to compensate the entire loss and if the Earnest Money Deposit are not sufficient, action will be taken to realize the loss.
- t) **Performance Bank Guarantee:** - The vendor should furnish a performance bank guarantee from a nationalized bank in India. The Bank guarantee should cover the warranty period plus three months from the date of installation of the equipment. The value of the Bank guarantee is 5 % of the order / contract value. This PBG must be submitted prior to opening of the Letter of Credit.
- u) **Responsibility:**-The responsibility lies with the successful bidder, if any damage or loss to the property of the Institute occurs while undertaking the contract.
- v) **Warranty, Defects & Liability Period:-** (Warranty) 5 years comprehensive warranty from the date of completion of installation and delivery at BEDF, Modipuram, demonstration as certified by BEDF. The supplier should rectify free of cost any defect that may develop in the system during the warranty period. The warranty period shall automatically stand extended by the time taken to rectify the defects. The Firm should give a warranty certificate as per the format attached in the bid Document.
- w) **User List:-** A signed list of quoted equipment supplied by the bidder to



the Other labs, R & D Institutions like CSIR/ ICAR/ ICMR/DAE/ DRDO/ DST/DBT/other Govt. or autonomous research Labs in India Undertakings, reputed private concerns specially working in the field of food industry, should be furnished, indicating capacity, model, type of equipment address of the parties.

- x)** The acceptance of the bid will rest with the BEDF, which does not bind itself to accept the lowest bid and reserves the right to reject, or partially accept any or all the bids received, without assigning any reason. The deliverables corresponding to the price would be the main criteria in selection of an equipment and acceptance of the bid in respect of the same. The bids are liable to be rejected, if any of the conditions are not complied with.
- y) Payment terms:** - No advance payment shall be made. 90% payment will be released within 30 days after successful installation of the equipment at BEDF, Modipuram and 10% on submission of a performance Bank Guarantee valid till the expiry of the comprehensive warranty period and additional three months thereafter.

**DIRECTOR,  
BEDF, NEW DELH**

**“Procurement of Laboratory Equipment –  
PCR- THERMAL CYCLER (GRADIENT)  
BENCH TOP REFRIGERATED CETRIFUGE  
BENCH TOP NON-REFRIGERATED CENTRIFUGE  
CIRCULATORY WATER BATH**

**TECHNICAL BID**

Tender No: \_\_\_\_\_

<b>01</b>	Name of the Firm		Page No.*
<b>02</b>	Firm Registration Number		
<b>03</b>	PAN No.		
<b>04</b>	Goods & Service Tax (GST) No.		
<b>05</b>	Manufacturer or Dealer/Distributor		
<b>06</b>	Valid Authorization Letter	1. ... 2. ... 3. ... 4. ... 5. ....	
<b>07</b>	Make/brand of equipment quoted in the tender. <b>List out name of each brand/ company.</b>	1. ... 2. ... 3. ... 4. ...	
<b>8</b>	3 year working experience (Certificate/Documentary evidence of Government Organization/Public or Private Company/ recognized academic Institution and University)		
<b>9</b>	<b>No. of Items quoted out of items required in bid</b>		
<b>10</b>	<b>Equipment Technical Specification Sheet</b>		
<b>11</b>	Duly attested self- declaration on stamp paper of Rs. 100/-		
<b>12</b>	EMD Demand Draft No .....Amount..... Date..... Name of Bank.....		

- 1- Only equipments of the successful firms in the serial numbers 01-12 of the technical bid will be inspected.
- 2- Required information must be filled in each column of the Equipment Technical Specification Sheet for the equipment applied for.

Signature .....

Name of Firm.....

Address in Full.....

Tel.No. (O) (Res).....

## **Format for Declaration**

**on stamp paper of Rs. 100/-**

Had read tender papers and its prices before uploading them and had read the terms and conditions and understood them to best of my knowledge and belief.

- a.** Free delivery and proper installation of the equipments at the site.
- b.** All logistics and technical support for initial five years from the date of installation.
- c.** Onsite training of faculty and staff.
- d.** Not blacklisted by any organization/institution.
- e.** Warranty of 05 Years/as specified in specifications of the instrument.
- f.** Not having any legal dispute/issue pending with BEDF, New Delhi.

I/We declare that point **a to f** as above are true to the best of my knowledge and I abide by the same.

Date:

Signature:

Name of Bidder:

Address:

## Annexure A

### Annexure A

#### TECHNICAL SPECIFICATIONS FOR PCR-TOUCH SCREEN THERMAL CYCLER GRADIENT

S No.	DESCRIPTION
	<b>PCR-TOUCH SCREEN THERMAL CYCLER GRADIENT</b> is required for PCR amplification of Rice DNA for fragment analysis
<b>A</b>	<b>TECHNICAL SPECIFICATIONS</b>
1	Full aluminium block system for 96 x 0.1/0.2 mL PCR Tubes or One 96-well PCR plate
2	System should support PCR reaction volume between 5-100µl in all the formats
3	Temperature control of block ranging from 4° C to 99° C
4	<b>Gradient setup for PCR optimization should offer 12 different temperatures in columns across a gradient range of 1 - 30°C</b>
5	Advanced operating technology ensure ramp rates are identical in both gradient and normal operation
6	System must have user level temperature verification feature
7	Adjustable user management capabilities – from flexible to strict user level controls
8	<b>Temperature Control Mode: Fast ≤ 10 µl, Intermediate (10-20 µl), Standard (20-50 µl) and Safe (≥50 µl)</b>
9	Block Temperature Accuracy: ± 0.15°C
10	Block Homogeneity: 20° C to 72° C: ≤ ±0.2° C, 95° C: ≤ ± 0.3°C
11	System should have <b>Heating ramp rate of 3.3 °C/s and Cooling ramp rate of 1.5 °C/s or more</b>
12	System should have adjustable ramp rate both for heating & cooling from 0.1° C to meet critical amplification conditions for emerging new applications
13	<b>Lid descent and closing pressure should be through safe Lid technology</b>
14	Time or Temperature increment with cycles in PCR program
15	Customized programming <b>allows a maximum of 40 steps and 99 cycles</b>
16	Flexibility to transfer programs with constant parameters from other cycler models using Program Migration feature
17	The system should weigh less than 7.5 kg with width less than 25 cm
18	Storage of instrument specific and device specific event logs
19	Data export possible with USB and additional cloud-based software
20	System Should be supplied along with Suitable UPS with at least half an hour backup
21	Committee asked for Demonstration (Physical/ Online) of quoted Model then Demo will be provided by the firm at own cost before opening of financial bid, if required
22	Country of Origin Certificate should be enclosed with technical bid
23	<b>Certificate of sustainability must be enclosed with technical bid. Better Score will be preferred</b>
24	System should be European CE / US FDA certification standards
<b>B</b>	<b>Consumables</b>
1	System should be provided with following consumables required for <b>at least 3000 samples</b> . <input type="checkbox"/> Pipet tips 1 to 200 micro litre <input type="checkbox"/> Micro tips 0.2 - 10 micro litre <input type="checkbox"/> 0.2 ml thin wall PCR 8 / 12 strip tubes
<b>C</b>	<b>Warranty</b>
1	Comprehensive warranty of the whole system <b>for 5 Years</b> with twice Preventive Maintenance every year.
2	During the warranty period, the supplier shall provide the original version of any updates to the system software / new software launched at no extra cost
<b>D</b>	<b>Calibration</b>

1	The company should bring the calibration kit and perform the annual calibration of the equipment during the warranty period.
<b>E</b>	<b>On-site training</b>
1	On site and at bidders lab for 4 - 5 persons and training certificates should be provided by the company.
<b>F</b>	<b>Installation List</b>
1	Quoted Model must have at least 10 nos. of Installation in Government Institute. More installation base would be preferred.
2	User list along with customer details enclosed with technical bid

- The claim of the technical specifications made by the company should be available on the Principle's website/ printed brochure/Manual **or certificate from factory (OEM)**.
- Please provide all the relevant document, catalogues/brochures etc. of the above technical specifications and technical compliances

## **Annexure A**

### **TECHNICAL SPECIFICATIONS FOR BENCH TOP NON REFRIGERATED CENTRIFUGE**

<b>S. No.</b>	<b>DESCRIPTION</b>
	<b>Bench-Top NON-REFRIGERATED CENTRIFUGE</b> is required for general purpose.
<b>A. TECHNICAL SPECIFICATIONS</b>	
<b>1.</b>	Instruments should have maximum speed of 30,000 x g and 17500 rpm, with a brushless motor.
<b>2.</b>	Should have the flexibility to accommodate rotors for different formats of tubes starting from 0.2ml PCR tubes up to spin column tubes.
<b>3.</b>	Instrument should have option for: <ul style="list-style-type: none"> <li>• 2 Place Swing Bucket rotor for MTP, PCR and Deep well plate with 4600 rpm and 2200 x g force.</li> <li>• Fixed angle aerosol tight rotor 24 x 1.5/2 ml with 17500 rpm and 30,000 x g Force.</li> <li>• Fixed angle aerosol tight rotor 48 x 1.5/2 ml with 12500 rpm and 18000 x g force.</li> <li>• Swing out aerosol tight rotor 24 place for 1.5/2 ml tubes with 12500 rpm and 16000 x g force</li> <li>• 64 x 0.2 PCR strip rotor with 11500 rpm and 13000 x g force</li> <li>• Aerosol tight rotor for 16 x 5 ml with 20,000 x g for 5ml conical tubes</li> <li>• 18 place cry vial rotor with at least 8,500 rpm and 8,300 x g force.</li> </ul>
<b>4.</b>	II Instruments should have Speed setting in both rpm and ref.
<b>5.</b>	Instrument must store minimum 50 programs and must have 5 quick access program keys.
<b>6.</b>	Instruments should possess a separate short spin key for brief spin
<b>7.</b>	Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds upon rotor change.
<b>8.</b>	It should be possible to perform gentle acceleration and deceleration using dedicated key.
<b>9.</b>	Noise levels should be approx. 60 db (A).
<b>10.</b>	Instrument should be European CE/ US FDA Certified. Certificates should be enclosed with bid.
<b>B. ACCESSORIES</b>	
<b>1.</b>	One Rotor should be supplied along with Machine- Swing out rotor 2 place plate rotor with at least 4600 rpm and 2200 g force
<b>C. WARRANTY</b>	
<b>1</b>	Comprehensive warranty of the whole system <b>for 5 Years.</b>
<b>D. Calibration</b>	
<b>1.</b>	The company should provide Calibration certificates for speed/Temperature.
<b>E. On-site training</b>	
<b>1.</b>	On- site training/Demonstration should be provided by the company.
<b>F Installation List</b>	
<b>1.</b>	At least 10 nos. of Installation Across India of the Quoted Model.

- The claim of the technical specifications made by the company should be available on the principle's website/ printed brochure/Manual **or certificate from factory (OEM).**
- Please provide all the relevant document, catalogues/brochures etc. of the above technical specifications and technical compliances.

## Annexure A

### **TECHNICAL SPECIFICATIONS FOR BENCH TOP REFRIGERATED CENTRIGUGE**

S. No.	DESCRIPTION
	<b>Bench-Top REFRIGERATED CENTRIGUGE</b> is required for general purpose.
<b>A.</b>	<b>TECHNICAL SPECIFICATIONS</b>
1.	Instruments should have maximum speed of 30,000 x g and 17500 rpm, with a brushless motor.
	Temperature range should be from -10°C to 40°C, should be able to maintain 4°C at maximum Speed.
	Instrument should have an in-built condensate drain to prevent water accumulation.
2.	Should have the flexibility to accommodate rotors for different formats of tubes starting from 0.2ml PCR tubes up to spin column tubes.
3.	Instrument should have option for: <ul style="list-style-type: none"> <li><input type="checkbox"/> 2 place Swing Bucket rotor for MTP, PCR and Deep well plate with 4600 rpm and 2200 x g force.</li> <li><input type="checkbox"/> Fixed angle aerosol tight rotor 24 x 1.5/2 ml with 17500 rpm and 30,000 x g Force.</li> <li><input type="checkbox"/> Fixed angle aerosol tight rotor 48 x 1.5/2 ml with 12500 rpm and 18000 x g force.</li> <li><input type="checkbox"/> Swing out aerosol tight rotor 24 place for 1.5/2 ml tubes with 12500 rpm and 16000 x g force</li> <li><input type="checkbox"/> 64 x 0.2 PCR strip rotor with 11500 rpm and 13000 x g force</li> <li><input type="checkbox"/> Aerosol tight rotor for 16 x 5 ml with 20,000 x g for 5ml conical tubes</li> <li><input type="checkbox"/> 18 place cry vial rotor with at least 8,500 rpm and 8,300 x g force.</li> </ul>
	Rotor lids should have a Quick Lock-system for secure lid closing and opening.
	Instrument should have Imbalance detection and lid lock safety feature.
4.	Instruments should have Speed setting in both rpm and ref.
5.	Instrument must store minimum 50 programs and must have 5 quick access program keys.
6.	Instruments should possess a separate short spin key for brief spin
7.	Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds upon rotor change.
8.	It should be possible to perform gentle acceleration and deceleration using dedicated key.
9.	Noise levels should be ≤ 60 db (A).
	Instrument should be European CE/ US FDA Certified. Certificates should be enclosed with bid.
<b>B.</b>	<b>ACCESSORIES</b>
	A Fixed angle Aerosol tight rotor 24 x 1.5/2 ml with 17500 rpm and 30,000 x g Force should be supplied with instrument.
<b>C.</b>	<b>WARRANTY</b>
	Comprehensive warranty of the whole system <b>for 5 Years.</b>
<b>D.</b>	<b>Calibration</b>
	The company should provide Calibration certificates for speed/Temperature.
<b>E.</b>	<b>On-site training</b>
	On- site training/ Demonstration should be provided by the company.
<b>F</b>	<b>Installation List</b>
	At least 10 nos. of Installation Across India of the Quoted Model.

- The claim of the technical specifications made by the company should be available on the principle's website/ printed brochure/Manual or **certificate from factory (OEM).**
- Please provide all the relevant document, catalogues/brochures etc. of the above technical specifications and technical compliances

## Annexure A

### **TECHNICAL SPECIFICATIONS FOR CIRCULATORY WATER BATH WITH LID**

S. No.	DESCRIPTION
	<b>Bench-Top Circulating Water Bath with Heating &amp; Cooling Capacity</b> is required for Molecular Biology Lab.
<b>A.</b>	<b>TECHNICAL SPECIFICATIONS</b>
1.	Should be a circulating water bath with its outer and inner body made of Stainless Steel.
2.	Should be suited to Indian system of electrical inputs (230V/ 50 Hz).
3	Should have capacity of 8-12 liters.
4	Temperature range should be 4 <sup>0</sup> C to 100 <sup>0</sup> C
5	Temperature setting should be digital.
6	Should have large LED display
7.	Temperature accuracy should be $\pm 0.01 - 0.05^{\circ}\text{C}$
8.	Temperature control should have advanced digital PID Multi-functional control
9.	Heater: 1500-2000W
10.	Should have ability to store at least three programs which can be activated when required.
11.	Should have powerful circulatory pump
12.	Should have adjustable high & low temperature limits
13.	Should have low liquid level alarm system.
14.	Should have safety guards for over temperature cut off, over current and leakage breaker.
15.	Should comply with International safety and quality standards (ISO/European CE/ US FDA Certified. Certificates should be enclosed with bid.
<b>B.</b>	<b>ACCESSORIES</b>
1.	Should be provided with all the necessary accessories and spare parts to run without hinderance.
<b>C.</b>	<b>WARRANTY</b>
1	Comprehensive warranty of the whole system <b>for 5 Years.</b>
<b>D.</b>	<b>Calibration</b>
1.	The company should provide Calibration certificates for Temperature.
<b>E.</b>	<b>On-site training</b>
1.	On- site training/ Demonstration should be provided by the company.
<b>F</b>	<b>Installation List</b>
1.	At least 10 nos. of Installation Across India of the Quoted Model.

- The claim of the technical specifications made by the company should be available on the principle's website/ printed brochure/Manual **or certificate from factory (OEM).**
- Please provide all the relevant document, catalogues/brochures etc. of the above technical specifications and technical compliances



## Annexure B (Price Schedule)

**Cost of the Equipment, parts and Accessories and Other Details Offered  
Separate Price Schedule to be attached for each model offered by the bidder  
for this equipment**

1	2	3	4	5	6	7
S No	Description of Goods	Country of Origin	Delivery Schedule	Quantity and physical unit	Unit price on CIF basis	Total Price per line item (Col. 5x6)
1						
2						
3						
4						
<b>Total Price</b>						

Signature of Bidder

**Annexure C**

**Deviation Statement Form**

The following are the particulars of the deviations from the requirements of the Bid Document terms and conditions:

<b>S. No.</b>	<b>Clause in the terms and conditions</b>	<b>Deviation</b>	<b>Justification for the deviation</b>

Signature of Bidder

**Annexure D**

**After Sales Service Support Details**

<b>S. No.</b>	<b>Local Address, telephone numbers, fax numbers and email address of the Company/agent responsible to provide after sales support</b>	<b>Number of engineers / service personnel who are stationed at the local address</b>	<b>Number of application specialists who are stationed at the local address</b>	<b>Any special facility available for the after sale support</b>

Signature of Bidder

## Annexure E

### List of Users for a period of 3 years preceding this bid (For similar equipment, preferable similar model)

<b>S. No.</b>	<b>Order for similar equipment placed by (full address of purchaser with contact person, telephone number)</b>	<b>Description of model</b>	<b>Quantity</b>	<b>Date of completion of delivery as per contract and Date of installation / commissioning as per contract</b>	<b>Reasons, for delay in delivery, installation and commissioning; if any</b>

Signature of Bidder

## **Annexure F**

### **WARRANTY CERTIFICATE**

We warrant that everything to be supplied by us hereunder shall be brand new, free from all defects and faults in materials, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered shall be in full conformity with the specification, drawing, or samples, and operate properly. We shall be fully responsible for its efficient operation. This Warranty shall survive inspection of any payment or and acceptance of the goods but shall expire after five years from the installation and commissioning except in respect of complaints of which the contractor has been notified prior to completion of 5years from the installation and commissioning).

The obligations under the Warranty expressed above shall include all costs relating to labor, spares, maintenance (preventive and unscheduled) and transport charges from site to the manufacturers work and back and free repair/adjustment or replacement at site or any parts of the equipment which under normal and proper use and maintenance proves defective in design, material or workmanship or fails to conform to the specifications previously given by the BEDF to the contractor.

Signature of the Bidder

## Annexure G

### BID SECURITY/EARNEST MONEY DEPOSIT FORM

Whereas ..... (insert *Name of Bidder*) (hereinafter called "*the Bidder*") has submitted its bid dated..... (*date of submission of bid*) for the supply of ..... (*name and/or description of the goods*) (hereinafter called "*the Bid*") .

Know all people by these presents that WE..... (*name of bank*) of ..... (*name of country*), having our registered office at..... (*address of bank*) (hereinafter called "*the bank*"), are bound unto ..... (*Name of Purchaser*) (hereinafter called "*the Purchaser*") in the sum of \_\_\_\_\_ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successor, and assigns by these presents. Sealed with the Common Seal of the said bank this .....day of..... The conditions of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or

2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

1. Fails or refuses to execute the Contract Form if required; or

(b) Fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

..... (Signature of the Bank)

**Annexure H**  
**Check List to be furnished by the Bidder**

1	Whether the l Bid has been signed in every page – Yes / No.	
2	Whether the printed catalogues and specification sheet, application notes, users’ list has been attached in bid- Yes / No.	
3	Whether valid documentary proof of Sales Tax/VAT, Service Tax registration number and the details of income tax registration (PAN).Yes/No	
4	If Quotation is from Indian agent / Dealer – whether letter of Authorization of Foreign principal is enclosed in the l bid – Yes / No.	
5	EMD – Whether the required EMD is Enclosed along with the bid – Yes / No.	
6	Whether Technical compliance Statement in the format given in Annexure A is enclosed in the Bid– Yes / No.	
7	Whether the Deviation Statement in the format given in Annexure C is enclosed in the Bid – Yes / No.	
8	Whether Details of after sales support is given as per format in Annexure D and is enclosed in the Bid– Yes / No.	
9	Whether the List of Users is given as per Annexure E and is enclosed in the Bid– Yes / No.	
10	Whether the warranty certificate is enclosed as per Annexure F and is enclosed in the Bid – Yes / No.	
11	Whether the Pre-installation requirements is given in the bid – Yes / No.	
12	Whether the Price schedule is as per the format given in Annexure C – Yes / No.	

Signature of Bidder

## **Mandate form of e-Payment**

1	Name of the Firm, Company/Institute/Person	
2	Address	
3	Email ID	
4	Contact Number	
5	PAN Number	
6	GST Number	
7	Account Number	
8	Account Type	Saving/ Current
9	IFSC Code (11 Digit)	
10	Name of the Bank	
11	Branch Address and City	
12	Branch Code	

### **DECLARATION**

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Director, Basmati Export Development Foundation responsible. I also undertake to advice any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS transfer.

Place.....

Date.....

Signature of the Firm/Company/Institute/Person