

# Notice Inviting Tender

## Supply and Installation of Autoclave

Tender No. DBT-IISc/DBS/Autoclave/2019-20



INDIAN INSTITUTE OF  
**SCIENCE**

**DBT-IISc Partnership Program Phase-II at IISc  
Division of Biological Sciences  
Indian Institute of Science  
Bangalore – 560012**

**February 2020**

**Project Investigator  
DBT-IISc Partnership Program Phase-II at IISc**

## Table of Contents

<b>1</b>	<b>Section 1</b>	<b>Bid Schedule</b>	
<b>2</b>	<b>Section 2</b>	<b>Eligibility Criteria</b>	<b>As specified by IISc</b>
<b>3</b>	<b>Section 3</b>	<b>Terms and Conditions</b>	<b>As specified by IISc</b>
<b>4</b>	<b>Section 4</b>	<b>Specifications</b>	<b>Technical Specifications</b>
<b>5</b>	<b>Section 5</b>	<b>Technical Bid</b>	<b>Annexure: 1 Bidder details</b>
			<b>Annexure: 2 Declaration of regarding experience of bidder</b>
			<b>Annexure: 3 Declaration of regarding clean track record by the bidder</b>
			<b>Annexure: 4 Declaration of acceptance to tender</b>
			<b>Annexure: 5 Terms and conditions Details of items quoted</b>
<b>6</b>	<b>Section 6</b>	<b>Commercial Bid</b>	<b>Quotation with Price, Technical specifications of the Equipment</b>

## SECTION 1 – BID SCHEDULE

1	Tender No	DBT-IISC/ DBS/Autoclave/2019-20
2	Tender Date	12 <sup>th</sup> February 2020
3	Item Description	Supply and Installation of Autoclave
4	Tender Type	Two Bid System a) Technical Bid (Part-A) b) Commercial Bid (Part-B)
5	Place of Submission and tender opening	Principal Investigator, DBT-IISc Partnership Program Office, Biological Sciences, Indian Institute of Science, Bangalore – 560012, India
6	Last Date & Time for submission of tender	4 <sup>th</sup> March 2020, 15:00 hrs
7	Date of opening of technical bids	5 <sup>th</sup> March 2020, 16:00 hrs
8	For further clarifications	Principal Investigator, DBT-IISc Partnership Program Office, Biological Sciences, Indian Institute of Science Bangalore- 560012, India Email: skumar1@iisc.ac.in and sgr@iisc.ac.in with copy to vijaylakshmi@iisc.ac.in 080-2293 2973/2734 and 2293 3371

## **SECTION 2 – ELIGIBILITY CRITERIA**

### **Prequalification criteria:**

- 1. The Bidder's firm should have existence for a minimum of 3 years. (Enclose Company Registration Certificate)**
- 2. The Bidder should have qualified technical service personnel for the instrument(s) based in India.**
- 3. If the Bidder is a local distributor/dealer/Agent, it is mandatory to attach authorization certificate along with the bid from the original equipment manufacturer.**
- 4. The bidder should sign and submit the declaration for Acceptance of Terms and Conditions as per -Annexure 4**
- 5. The Bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect has to be given as per Annexure 3.**

## **SECTION 3 – TERMS AND CONDITIONS**

### **A) Submission of Tender:**

- 1. All documentations in the tender should be in English.**
- 2. Tender should be submitted in two envelopes (two bid system).**
  - a. Technical Bid (Part-A) –**  
Technical bid consisting of all technical details, check list for conformance to specifications, format in which the price bid is quoted without the actual prices (suppliers who include any indication of prices in the technical bid will be automatically disqualified).
  - b. Commercial Bid (Part-B) –**  
Indicating item wise price for the items mentioned in the technical bid, as per the format of quotation provided in tender, and other commercial terms and conditions
- 3. The technical bid and price bid should each be placed in a sealed cover, superscripting on both the envelopes the tender no. and the due date and Both these sealed covers are to be placed in a bigger cover which should also be sealed and duly superscripted with the Tender No & Due Date.**
- 4. The SEALED COVER superscripting tender number / due date & should reach The Principal Investigator, DBT-IISc Partnership Program Office, Biological Sciences, Indian Institute of Science, Bangalore– 560012, India on or before due date mentioned in the tender notice. In case due date happens to be holiday the tender will be accepted and opened on the next working day.**

**If the quotation cover is not sealed, it will be rejected.**

- 5. All communications are to be addressed to- The Principal Investigator, DBT-IISc Partnership Program Office, Biological Sciences, Indian Institute of Science, Bangalore– 560012, India.**
- 6. GST/other taxes, levies etc., are to be indicated separately. The BIDDER should mention GST Registration and PAN in the tender document (Indian Bidders only).**
- 7. If price is not quoted in Commercial Bid as provided in tender document the bid is liable to be rejected.**
- 8. The Institute reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without there by incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.**
- 9. Incomplete bids will be summarily rejected.**

**B) Cancellation of Tender:**

Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:

- a. To accept OR reject lowest tender or any other tender or all the tenders.
- b. To accept any tender in full or in part.
- c. To reject the tender, offer not confirming to the tender terms.

**C) Validity of the Offer:**

The offer shall be valid 120 Days from the date of opening of the commercial bid.

**D) Evaluation of Offer:**

1. The technical bid (Part A) will be opened first and evaluated.
2. Bidders meeting the required criteria as stated in Section 2 of this document shall only be considered for Commercial Bid (Part B) opening. Further, agencies not furnishing the documentary evidence as required will not be considered.
3. Pre-qualification of the bidders shall not imply final acceptance of the Commercial Bid. The agency may be rejected at any point during technical evaluation or during commercial evaluation. The decision in regard to acceptance and / or rejection of any offer in part or full shall be the sole discretion of IISc Bangalore, and decision in this regard shall be binding on the bidders.
4. The award of contract will be subject to acceptance of the terms and conditions stated in this tender.
5. Any offer which deviates from the vital conditions (as illustrated below) of the tender is liable to be rejected:
  - a. Non-submission of complete offers.
  - b. Receipt of bids after due date and time and or by email / fax (unless specified otherwise).
  - c. Receipt of bids in open conditions.
6. In case any BIDDER is silent on any clauses mentioned in these tender documents, IISc Bangalore shall construe that the BIDDER had accepted the clauses as of the tender and no further claim will be entertained.
7. No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
8. Lowest bid will be calculated based on the total price of all items tendered for Basic equipment along with accessories for installation, operation, pre-processing and post processing, optional items, recommended spares, warranty, annual maintenance contract

**E) Pre-requisites:**

The bidder will provide the prerequisite installation requirement of the equipment along with the technical bid.

**F) Mode of Shipment:**

In case of foreign bidders, the consignment must be airlifted, insured and transported to the Bangalore International Airport (CIP/CIF). Necessary custom clearance will be done by IISc, Bangalore, from Bangalore International Airport.

**G) Customs clearance:**

The IISc, Bangalore will furnish the necessary papers for the import of items into India, necessary custom duty exemption certificate and other supporting documents to facilitate the import of the items will be provided.

**H) Warranty:**

The complete system is to be under warranty period of minimum 5 years (year wise breakup value should be shown in the commercial bid) including free supply of consumables, spare parts and data analysis software from the date of functional installation. If the instrument is found to be defective, it has to be replaced or rectified at the cost of the bidder within 30 days from the date of receipt of written communications from IISc, Bangalore. If there is any delay in replacement or rectification, the warranty period should be correspondingly extended.

**I) Annual Maintenance Contract:**

An annual maintenance contract for a period of 2 years post warranty should be provided on completion of warranty period.

**J) Purchase Order:**

1. The order will be placed on the bidder whose bid is accepted by IISc based on the terms & conditions mentioned in the tender document.
2. The quantity of the items in tender is only indicative. IISc, Bangalore reserves the right to increase /decrease the quantity of the items depending on the requirement.
3. If the quality of the product and service provided is not found satisfactory, IISc, Bangalore reserves the right to cancel or amend the contract.

**K) Delivery and Installation:**

The bidder shall provide the lead time to delivery, installation and made functional at IISc, Bangalore from the date of receipt of purchase order. The system should be delivered, installed and made functional within 120 days from the date of receipt of purchase order. The supply of the items will be considered as effected only on satisfactory installation and inspection of the system and inspection of all the items and features/capabilities tested by the IISc, Bangalore. After successful installation and inspection, the date of taking over of entire system by the IISc, Bangalore shall be taken as the start of the warranty period. No partial shipment is allowed.

**M) Payment Terms:**

The payment will be through a Letter of Credit and milestone of the payment will be determined after the mutual discussions with the successful bidder.

**N) Statutory Variation:**

Any statutory increase in the taxes and duties subsequent to bidder's offer, if it takes place within the original contractual delivery date, will be borne by IISc, Bangalore subject to the claim being supported by documentary evidence. However, if any decrease takes place the advantage will have to be passed on to IISc, Bangalore.

**O) Disputes and Jurisdiction:**

Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Bangalore, India.

**P) General:**

1. All amendments, time extension, clarifications etc., within the period of submission of the tender will be communicated electronically. No extension in the bid due date/time shall be considered on account of delay in receipt of any document(s) by mail.
2. The bidder may furnish any additional information, which is necessary to establish capabilities to successfully complete the envisaged work. It is however, advised not to furnish superfluous information.
3. The bidder may visit the installation site before submission of tender, with prior intimation.
4. All imported equipment should be quoted in the currency of the country of origin, and all locally sourced items should be quoted in Indian Rupees.
5. Any information furnished by the bidder found to be incorrect, either immediately or at a later date, would render the bidder liable to be debarred from tendering/taking up of work in IISc, Bangalore.



## Section – 4 – Technical Specifications

### A) Technical Specifications of Autoclave

Sl. No.	Technical Specifications	Essential/Desirable
1	Autoclave should be horizontal rectangular heavy-duty machine fully automatic with pre-selected and variable programs. It should be able to handle liquid loads also (for feeding water bottles) and it also should have manual mode operation in case of emergency with bypass valve. Should have built-in printer for documentation of sterilization cycle. Pre and post vacuum cycle are must for drying the load. The system should be suitable for operating on 440 V 50Hz, 3 Phase.	
2	Autoclave inner chamber capacity (W x H x L) should be minimum of 1. 4500 ± 500 litres with inner chamber dimension of 3.50 x 7.25 x 7.00 ft. 2. 700 ± 100 litres with inner chamber dimension of 2 x 3 x 5 ft.  Working pressure should be 1.2 to 2.2 kg and working temperature should be 121 to 135 °C. Argon welding, SS 316 material, SS316 plate (split) on rails with stopper inside the chamber (no trolley required). Chamber should have safety valves. Chamber corners should be rounded for easy cleaning.	
3	Chamber and jacket are made with high quality stainless steel (SS316), wall thickness not less than 6 mm. working pressure 2.5 kgs inside jacket. No need for loading cart as well. Stand also should be made of SS304.	
4	The entire equipment including doors must be insulated with 50mm thickness Resin Bonded Glass Wool & clad with SS304 sheets. Airtight partition is must between loading and unloading side (partition between sterile and non-sterile areas). Note: It should fit in available floor area at installation site (site inspection is must). The system should have provision to remotely monitor the parameter of autoclave via BMS system	
5	Should have high quality appropriate stainless-steel body electric steam generator, with low water protection, automatic pressure controller, high quality pipeline and valves. The system should be supplied with all the accessories required to function The Autoclave should be supplied with the suitable Air compressor as well. Note: There is no steam line utility at the installation site	
6	The equipment should have automatic locking hinged double door operated with pneumatic cylinder. The door should be of SS 316 quality material, silicon gasket pressurized by compressed air (pressure gauge must). The autoclave doors must be interlocked so that only one can be	

	opened at any time and be automatically controlled so that the outside door to the autoclave can only be opened after the decontamination cycle has been completed	
7	All valves & pipelines which are connected to chamber should be of SS 316 quality. All process valves are piston valves pneumatically actuated. All exhaust, drains are connected to a common drain.	
8	Validation ports should be provided with special leak tight ferrules for temperature sensors validation of the system. Programme for Bowiedick leak test for vacuum cycles. Microprocessor based PLC system with Touch Screen HMI control system.	
9	The system should be Equipped with all the safety features as per the IS norms/International norms for Autoclave Safety's construction. The system should be CE/ISO Certified. The supplier should produce a material testing report, Jacket pressure testing report at the time of installation. The system quotation must have all the compliance certificate of autoclave manufacturing and testing. System should be supplied with operation and maintenance manual. Suitable racks need to provide.	
10	Timely after sale service network and spares supply network. The supplier should produce list of users from reputed Institute, preferably Government institute/ hospital. Provide list of local clients if any, who are using the similar autoclave model in Bangalore. Latest PO references for similar size autoclaves if any, are a must. Installation and training should be a part of the company. Minimum 3 years warranty should be provided.	

**Note:**

1. The vendor should visit the site and make a detailed drawing. Inferior designs will be rejected.
2. The vendor will be responsible for the complete installation, testing and handover.

**B) Accessories:**

Required, If any

**C) Training and demonstration:**

Training on usage of the machine (hardware) must be demonstrated by the successful bidder free of cost at bidder's cost to the end users at IISc, Bangalore.

## **Section 5: Technical Bid**

The technical bid should furnish all requirements of the tender along with all annexure in this section and submitted to

**The Principal Investigator,  
DBT-IISc Partnership Program  
Biological Sciences  
Indian Institute of Science  
Bangalore – 560012, India**

**Annexure-1:**

**Details of the Bidder**

The bidder must provide the following mandatory information & attach supporting documents wherever mentioned:

**Details of the Bidder**

SI No	Name of the Bidder	
1	Nature of Bidder (Attach attested copy of Certificate of Incorporation/ Partnership Deed)	
2	Registration No/ Trade License, (attach attested copy)	
3	Registered Office Address	
4	Address for communication	
5	Contact person- Name and Designation	
6	Telephone No	
7	Email ID	
	Website	
8	PAN No. (attach copy)	
9	GST No. (attach copy)	

**Signature of the Bidder**

Name  
Designation, Seal

Date:

**Annexure-2:**

**Declaration regarding experience**

**To,**

**The Principal Investigator,  
DBT-IISc Partnership Program  
Biological Sciences,  
Indian Institute of Science,  
Bangalore – 560012, India**

**Ref: Tender No: XXXXXXXXXX**

**Dated: XXXXX**

**Supply and installation of Autoclave**

**Sir,**

**I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company / firm has ---- years of experience in supplying and installing Autoclave.**

**(Signature of the Bidder)**

**Printed Name**

**Designation, Seal**

**Date:**

**Annexure-3:**

**Declaration regarding track record**

To,

The Principal Investigator,  
DBT-IISc Partnership Program  
Biological Sciences,  
Indian Institute of Science,  
Bangalore – 560012, India

Ref: Tender No: XXXXXXXX

Dated: XXXXX

**Supply and installation of Autoclave**

Sir,

I've carefully gone through the Terms & Conditions contained in the above referred tender. I hereby declare that my company/ firm is not currently debarred / blacklisted by any Government / Semi Government organizations / institutions in India or abroad. I further certify that I'm competent officer in my company / firm to make this declaration.

Or

I declare the following

Sl.No.	Country in which the company is Debarred /blacklisted / case is Pending	Blacklisted / debarred by Government / Semi Government/Organizations /Institutions	Reason	Since when and for how long
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(NOTE: In case the company / firm was blacklisted previously, please provide the details regarding period for which the company / firm was blacklisted and the reason/s for the same).

Yours faithfully

(Signature of the Bidder)

Name

Designation, Seal

Date:

**Annexure – 4:**

**Declaration for acceptance of terms and conditions**

To,

**The Principal Investigator,  
DBT-IISc Partnership Program,  
Biological Sciences,  
Indian Institute of Science,  
Bangalore – 560012, India**

**Ref: Tender No: XXXXXX**

**Dated: XXXX**

**Supply and installation of Autoclave**

Sir,

I've carefully gone through the Terms & Conditions as mentioned in the above-referred tender document. I declare that all the provisions of this tender document are acceptable to my company. I further certify that I'm an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

**(Signature of the Bidder)**

**Name**

**Designation, Seal**

**Date:**

**Annexure – 5:**

**Details of items quoted:**

<b>Company Name</b>	
<b>Product Name</b>	
<b>Part / Catalogue number</b>	
<b>Product description / main features</b>	
<b>Detailed technical specifications</b>	
<b>Remarks</b>	

**Instructions to bidders:**

- 1. Bidder should provide technical specifications of the quoted product/s in detail.**
- 2. Bidder should attach product brochures along with technical bid.**
- 3. Bidders should clearly indicate compliance or non-compliance of the technical specifications provided in the tender document.**



## Section 6: COMMERCIAL BID

The commercial bid should be furnished with all requirements of the tender with supporting documents as mentioned under:

SI No	Description	Catalogue Number	Quantity	Unit Price	Sub Total
1	Instrument price				
2	Accessories for operation and installation				
3	All Consumables, spares and software to be supplied locally				
4	Warranty (5 years)				
5	Cost of Insurance and Airfreight				
6	CIP/CIF IISc, Bengaluru				

Buyback, if any

SI No	Description	Quantity	Unit Price	GST	Total

Addressed to:

The Principal Investigator,  
DBT-IISc Partnership Program  
Biological Sciences,  
Indian Institute of Science,  
Bangalore – 560012, India

## **SECTION 7 – CHECK LIST**

**(This should be enclosed with technical bid- Part A)**

**The following items must be checked before the Bid is submitted:**

**1. Envelope “A”: Technical Bid**

**a) Section 5- Technical Bid (each page signed by the authorized signatory and sealed) with the below annexures:**

**Annexure 1: Bidders details**

**Annexure 2: Declaration regarding experience**

**Annexure 3: Declaration regarding clean track record**

**Annexure 4: Declaration for acceptance of terms and conditions**

**Annexure 5: Details of items quoted**

**b) Copy of this tender document duly signed by the authorized signatory on every page and sealed.**

**2. Envelop “B”: Commercial Bid**

**Section 6: Commercial Bid**

**Your quotation must be submitted in two envelopes: Technical Bid (Envelope A) and Commercial Bid (Envelope B) super scribing on both the envelopes with Tender No. and due date and both of these in sealed covers and put in a bigger cover which should also be sealed and duly super scribed with Tender No. & Due Date.**