

TENDER

FOR

**SUPPLY & INSTALLATION OF TABLE TOP AUTOCLAVE 20-25 LITER CAPACITY
AND
AUTOCLAVE (150-160 L)(FRONT LOADING)**

IIT MANDI



Tender No.: IITMANDI/S&P/PUR-03/2015-16/412-13

Tender date: 21st April, 2015

Last Date of submission: 14th May, 2015

Indian Institute of Technology Mandi

Transit Campus: Mandav Hotel, 2nd Floor (Near Bus Stand), Mandi – 175001 (H.P)

Tel.: 01905-237917 **email:** amitprasad@iitmandi.ac.in

Indian Institute of Technology Mandi, Mandi invites tender for supply, erection, installation, commissioning, testing, demonstration and training of **Table Top Autoclave 20-25 Liter Capacity And Autoclave (150-160 L)(Front Loading)**, as per specifications given in the Annexure attached to the Tender form. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website (<http://iitmandi.ac.in/administration/tenderseoi.html>) of the Institute.

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise. The Director, IIT Mandi, Kamand reserves the right to select the item (in single or multiple units) or to reject any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

Terms and Conditions:

1. The technical and financial bids should be quoted separately and put in different sealed envelopes marked "**Technical bid**" or "**Financial bid**" as applicable. These separate bids envelopes are to be put in an outer envelope which should also be sealed.
2. The Vendors who have earlier supplied the equipment to any of the IITs, IISc, IISERs and other Scientific Institute of National Repute may only tender. The details of such institutions and the cost with name of equipment may also be supplied with the bids.
3. The technical and financial bids should be submitted in original. The financial bid should include the cost of main equipment/item and its accessories. If there is any separate cost for installation etc. that should be quoted separately.
4. Each individual sealed envelope as well as the outer envelope should be marked with the following reference on the top left hand corner: "**IITMANDI/S&P/PUR-03/2015-16/412-13/Item Name.__ __dated 21st April, 2015**"
5. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender. The bidders should submit copies of suitable documents in support of their reputation, credentials and past performance.
6. The rates should be quoted in figures (typed or printed) and cutting should be avoided. The final amount should be in figures as well as in words. If there are cuttings, they should be duly initialed, failing which the bids are liable to be rejected.
7. Any bids received after **4:00 P.M. on 14th May, 2015** shall not be considered
8. The Technical Bids will be opened on **15th May, 2015 at 03:00 P.M.** The date & time for opening of Financial Bids will be informed later on to the technically qualified bidders.
9. While sending rates, the firm shall give an undertaking to the effect that "*the terms/conditions mentioned in the enquiry letter/Tender Notice against which the rates are being given are acceptable to the firm.*" In case the firms do not give this undertaking, their rates will not be considered.
10. If the supplier/firm is original equipment manufacturer (OEM)/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.

11. The quantity shown against the item is approximate and may vary as per demand of the Institute at the time of placing order.
12. All tender documents should have to be sent through courier, speed post or registered post only. All tender documents received after the specified date and time shall not be considered.

The postal address for submitting the tenders is:

**“Assistant Registrar, Stores and Purchase”
Indian Institute of Technology Mandi (IIT Mandi),
Administrative Block (Mandav Hotel,
Near Bus Stand), Mandi – 175001 (H.P), India”**

13. In the event of any dispute or difference(s) between the vendee Institute (IIT Mandi) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to “The Director, IIT Mandi”, Kamand who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act,1996. The decision of the arbitrator shall be final and binding on both the parties.
14. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.
15. All disputes shall be subject to Mandi Jurisdiction only.
16. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tenderer shall be summarily rejected.
17. IIT Mandi reserves the right to cancel the tender at any point of time without assigning any reason.
18. The bidders or their authorized representatives may also be present during the opening of the Technical Bid, if they desire so, at their own expenses.

Note: Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after technical bids have been evaluated by the committee. Information in this regard will be intimated to the technically qualified bidders. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.

19. Clarifications:

In case the bidders requires any clarification regarding the tender documents, they are requested to contact our office (e-mail: amitprasad@iitmandi.ac.in & arsp@iitmandi.ac.in on or **before 07/05/2015**.

20. Tender Cost:

A Demand draft of **Rs. 1,000/- (Rupees One Thousand only)** towards non-refundable **tender fee, drawn in favour of “The Registrar, IIT Mandi”** payable at Mandi should accompany the Technical bid documents. If the same firm is submitting bids for more than

one Item/ instrument, they should submit the same in separate envelopes along with respective tender cost for each. In the absence of tender cost, the tender will not be accepted.

21. Earnest Money Deposit (EMD):

A refundable amount of **2%** of quoted price as earnest money deposit (EMD) in the shape of DD from a scheduled bank in India (**valid for a minimum period of 3 months from the date of submission of tender**) should accompany the bid documents. The DD drawn in favour of "The Registrar, IIT Mandi" payable at Mandi should accompany the bid documents. The EMD should be kept in a separate sealed envelope, should be marked clearly and put in the outer envelope that contains the technical and financial bid envelopes. The bidders should enclose a pre-receipted bill for the EMD to enable us to return the EMD of unsuccessful bidders. Failure to deposit **Earnest Money** will lead to rejection of tender. The bidders should submit separate EMD. In the event of the awardee bidder backing out, EMD of that bidder will be forfeited. The bidders should submit separate EMD for each item, if quoting for more than one item.

22. Pre – Qualification Criteria:

- a. Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
- b. The Vendors who have earlier supplied the equipment to any of the IITs, IISc, IISERs and other Scientific Institute of National Repute may only tender. The details of such institutions and the cost with name of equipment may also be supplied with the bids.
- c. An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.
- d. OEM should be internationally reputed Branded Company.
- e. Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid.
- f. **Furnishing of wrong/ambiguous information in the compliance statement may lead to rejection of bid and further black listing of the bidder, if prima-facie it appears that the information in the compliance statement was given with a malafide/fraudulent intent.**

23. Prices:

- a. The Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site (IIT Mandi, Mandi/Kamand). IIT Mandi is registered with DSIR, Govt. of India and is exempted from Custom / Excise Duty. Exemption Certificate to this effect will be issued by IIT Mandi. **Hence, Customs/Excise Duty exempted price should be quoted.** The rates shall be firm and final. Nothing extra shall be paid on any account. **In the price bid/financial bid, the vendor should clearly mention the final price breakup i.e. ex-work price/FCA price, FOB price, CIP/CIF price & FOR IIT Mandi, Kamand Campus price, as applicable in their bid.**

- b. In case of imported equipment(s)/item(s), the agency commission, if any, payable in Indian rupees should be mentioned separately. For imported equipment, the Letter of Credit will be opened for the amount excluding agency commission in Indian Rupees. The firm should clearly mention the address of foreign bank in the financial bid.

24. Validity:

The bid should be valid for acceptance up to a period of 180 Days. The Bidders should be ready to extend the validity, if required without any additional financial implications.

25. Delivery:

The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within 24 weeks of the issue of purchase order unless otherwise prescribed. If the bidder fails to deliver and place any or all the Equipments or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

26. Training:

Bidders need to provide adequate training to the nominated persons of IIT Mandi at their cost. IIT Mandi will not bear any training expenditure.

27. Warranty Declaration:

Bidders must give the comprehensive on-site warranty as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *"everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document.*

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost.

- 28. Performance Bank Guarantee:** A performance bank guarantee from a scheduled bank in India for an amount equal to 10% of the price for duration of two months beyond the expiry of warranty period will be taken from the supplier or Indian agent.

- 29. Terms of Payment:** Payment will generally be made only after delivery and satisfactory installation, testing, commissioning etc. **This must be specified in the tender/quotation.**

- In case of imported supplies, payment (excluding Indian agency commission, if any) will be made through irrecoverable Letter of Credit in two installments. 80 % of the money will be released on submission of shipping of documents. Remaining 20 % will be released after successful installation of the instrument and submission of a performance bank guarantee for 10% of the order value from a nationalized bank, valid for 2 months beyond the expiry of the warranty.

- 30. Tender expenses and documents:** All costs incurred by the bidder in the preparation of the tender shall be at the entire expense of the bidder.

31. **Tender Evaluation Criteria:** The technical bids will be opened and evaluated by a duly constituted committee. After evaluation of the technical bid, the financial bid for only those offers which have qualified in the evaluation of technical bid will be opened.
32. The IIT Mandi reserves the right to cancel the tender at any stage (point of time) without assigning any reason.
33. **Return of EMD:**
- The earnest money of unsuccessful bidders will be returned to them without any interest within 30 working days after awarding the contract.
 - The earnest money of the successful bidder will be returned to them without any interest within 30 Days after supply of material.
34. **Manual and documentation:** All the manuals necessary for operating and servicing the equipment (including details of electronic circuits) will have to be provided along with the instrument.
35. Bidders should go through the tender terms, conditions and specifications carefully and fill in the attached compliance statement accurately and unambiguously. They should ensure that all the required documents are furnished along with the bid.

Sd/-
Assistant Registrar
Stores & Purchase

BID PARTICULARS

1. Name of the Supplier :

2. Address of the Supplier :

3. Availability of demonstration of equipment : Yes / No

4. Tender cost enclosed: : Yes/No if yes

D.D. No. _____ Bank _____ Amount _____

5. EMD enclosed : Yes / No if (Yes)

D.D. No. _____ Bank _____

6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender enquiry.

Name :

Address :

Telephone No. :

Fax No. :

Mobile No :

e-Mail :

Web

Technical Specification for both the items. Submit separate bid for each item.

Annexure – 1

Table top Autoclave 20-25 liter capacity (Quantity. 1pc)

- Sterilizer Type: Table Top Sterilizer.
- Capacity: 20-25 liters
- **Chamber Size:** The sterilizer should have Rectangular/Cylindrical chamber with suiting the volume for maximum processing capacity per charge.
- **Quality System Compliance:** Sterilizer should comply the quality systems as per ISO 9001:2000, EN ISO 13485:2003, and ISO 14001:2004. Sterilizer should be CE or FDA or BIS Certified
- **Types of Cycles Process:** Table Top Sterilizers should be equipped with B-process as per latest international standards
- **Chamber:** Should be made of S.S.316 & should comply the Pressure Equipment Directive (PED) & EN 13445 norms or equivalent, Chamber should have minimum 5 years warranty or should confirm 44-50,000 process minimum life. Chamber should have working pressure 2.2 bar & design pressure up to 3.8 bar. Chamber should have Stress & Fatigue analysis reports for material & construction of the pressure vessel. Chamber should be equipped with electrically heated jacket for preheating on standby mode. Door should have horizontal sliding/Hinged door with silicon elastomer rubber gasket to withstand temperature up to 140°C.
- **Air Filter:** A disposable air filter should be provided for filtering the atmospheric air before entering inside the chamber and the filter separation efficiency should be higher than 99.998% for particle size less than 0.3µm.
- **Pre-programed cycles:** It should have pre-programmed cycle for autoclaving of different stuff like liquid, glass utensils, solid waste.
- **Water Storage Tank:** Sterilizer should have inbuilt water reservoir with storage capacity up to 5 Litres. The water reservoir should have easy access for cleaning & to avoid bio film.
- **Steam Generator:** Sterilizer should have inbuilt steam generator with warranty of 5years on heating elements. The steam generator design should be with integrated energy storing system for building up power for sterilization loads in short time.
- **Control Panel:** The control system should be microprocessor based PLC system. The control system should have CPU processor with battery back - up, Digital input/output controls, analog measuring inputs.

- **Alarms:** Automatic process checking & failure correction should be possible by the control system. The range of alarm should include Temperature & pressure sensor failure, phase time -out, doors not properly closed, power failure (less than 10 sec should be ignored), continuous self-checking of all the safety devices, low water level etc. All the alarms should be audio -visual.
- **Accessories:** The sterilizer unit should include rack with 3 levels & suitable size instrument trays should be the part of the supply. The Sterilizer should have water circulation system.
- **Other specifications:** Three Years comprehensive warranty with 2 years free AMC, Local Service Support should be within 72 hours of incident report. Additional features/accessories if any that can potentially increase the productivity and safety of the instrument should be quoted as optional items.
- The complete instrument and accessories excluding consumables should be under warranty for period of **3 years** including two years of AMRC from the date of installation.

Autoclave (150-160 L)(Front loading) (Qty. 1pc)

Specifications:

- Capacity: 150-160L
- Model: Fully Automatic
- Chamber type: Front Loading
- Timer: 0-10hr
- Pressure: 2.0 Kg/ cm² at 130 ° C
- Pressure gauge: 0-4 Kg/ cm²
- Temperature accuracy: ± 0.5 ° C
- Sterilization Temperature: Ambient 10 ° C -130 ° C
- Sterilization time range: 0-9hours
- Material of chamber: SS 304L grade/316Ti grade with corrosion resistance
- Pressure resistance: Chamber pressure should resist 60 psi for safety
- Material exterior: Epoxy resin powder coated steel
- Display and program: LED/LCD to indicate working status of temp. & pressure. Pre-programed cycle for liquid, solid, porous load and Vacuum leak and Bowie dick cycle
- Alarms: Automatic shutdown with beep reminding after sterilization and recycle of operation is completed.
- Lid closing/opening: Pedal free system for lid closing
- Quality System Compliance: ISO 9001:2008 or ISO 13485:2003
- Safety features: Over temperature, Low level water limit, over current, auto - release against over pressure, Safety valve for 20 psi with an extra safety valve for 25 psi, emergency cut-off switch. Door should not open if the chamber is pressurized
- Baskets: 3 nos. Of baskets (Mesh/Perforated)
- Operating voltage: 230 ±10VAC, 50 Hz.

Other Important Requirements

- A control lockout to prevent a cycle start when the door is not closed and locked

- Steam pressure lock to prevent operator from opening if pressure exists in the chamber.
- After reaching normal temperature, door should be opened by a single switch mode, preferably
- Water auto fill for steam generation.
- Internal memory for documentation of ~500 sterilization cycles
- Local Service Support should be within 72 hours of report
- Additional features/accessories if any that can potentially increase the productivity and safety of the instrument should be quoted as optional items.
- The complete instrument and accessories excluding consumables should be under warranty for period of **3 years** including two years of AMRC from the date of installation.
- IIT Mandi is presently located in its transitory campus. We will move to our permanent campus in the near future. Vendor should take the responsibility of moving the instrument from the present location and reinstalling the same in our own campus as and when it is required.

COMPLIANCE STATEMENT FOR THE TENDER SPECIFICATIONS

(Submit separate sheet for each Item)

INDIAN INSTITUTE OF TECHNOLOGY MANDI
HIMACHAL PRADESH-175001

Ref:-ENQUIRYNO:- IITMANDI/S&P/PUR-03/2015-16/Autoclave 20-25 liter &
Autoclave (150-160 L)

S. NO	Check list of documents/ Undertakings ?	YES/NO	Remarks (Give explanation if answer is No)
1	Is Tender fees attached?		
2	Is EMD attached? (if applicable)		
3	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
4	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
5	Undertaking from OEM regarding technical support & extended warranty period		
6	Validity of 180 days or not?		
7	Undertaking from bidder regarding acceptance of tender terms & conditions		
8	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached.		
9	Whether special educational discount for Indian Institute of Technology (IIT) Mandi (H.P) given.		
10	Whether two weeks training of operator and research students without any charges offered.		
11	Does the instrument complies with all the required specifications as per Annexure I & II. Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipments varies from the requested specifications.		
12	Whether free Installation, Commissioning and Application Training offered.		
13	Whether Three years comprehensive onsite extended warranty offered.		
14	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately as optional.		