

CORRIGENDUM / ADDENDUM - 02

REF: E-Tender No. NIT-38/2017 (NC-000481-BIO-17-18)

ITEM: HIGH PRESURE HORIZONTAL RECTANGULAR STERILIZER

(A) The tender date is extended as per the following.

- i) The date & time of submission of E-Tender: 02/04/2018 up to 12.30 P.M.
- ii) The date & time of opening of Technical bid : 02/04/2018 at 03.30 P.M.

All other terms and conditions of the above mentioned E-Tender will remain unchanged.

Sd/-.
Stores & Purchase Officer

CORRIGENDUM / ADDENDUM - 01

REF: E-Tender No. NIT-38/2017 (NC-000481-BIO-17-18)

ITEM: HIGH PRESURE HORIZONTAL RECTANGULAR STERILIZER

(A) The tender date for “**E-Tender No. NIT-38/2017 (NC-000481-BIO-17-18)**” is extended as per the following.

- i) The date & time of submission of Technical bid: 13/03/2018 up to 12.30 P.M.
- ii) The date & time of opening of Technical bid : 13/03/2018 at 02.30 P.M.

All other terms and conditions of the above mentioned E-Tender will remain unchanged.

Stores & Purchase Officer



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर

(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH

(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Notice Inviting E-Tender No. 38/2017(NC-000481-BIO-17-18) (2 Part Tender)

HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER

Cost of Tender is 1500.00 (Non Refundable)

Paper Notice



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH
JATNI CAMPUS, P.O. - JATNI
KHURDA – 752050, ODISHA, INDIA**

Notice Inviting E-Tender No. 38/2017(NC-000481-BIO-17-18) (2 Part Tender)

Sealed Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

Sl. No.	Name of the Items	Tender No.	Name of Department	Indent No.	Qty.	EMD in INR
01	Horizontal Rectangular Sterilizer, capacity 1200 litre, double hinged door, suitable for operation on electricity	NIT-38/2017	School of Biological Sciences	NC-000481-BIO-17-18	01 No.	75000.00
02	High Pressure Horizontal Rectangular Sterilizer, capacity 650 litre, double hinged door, suitable for operation on electricity				01 No.	

Tender can be downloaded and bided from website address: www.tenderwizard.com/NISER. Tender documents for viewing only is also available in NISER web-site address: www.niser.ac.in.

Stores & Purchase Officer



**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
NIT OPEN DOCUMENT (2 PART BID)**

**SUPPLY & INSTALLATION OF
HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER**

Notice Inviting E-Tender No. 38/2017(NC-000481-BIO-17-18) (2 Part Tender)

National Institute of Science Education & Research (NISER), Jatni is an Autonomous Institute under Dept of Atomic Energy. NISER would like to procure the following equipment. The Technical Specifications Schedule of Requirements and Allied Technical details are given in Part-1 of tender document.

- **Item:** HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER
- **Tender Enquiry No:** NIT-38/2017
- **Last date of sale of Tender document:**
- **Last date of submission of bid-** 26.02.2018 upto 12.30 P.M
- **Opening of Technical Bids:** 26.02.2018 upto 02.30 P.M
- **Date and Time of Pre-Bidding** – 13.02.2018 at 2.30 P.M

E- tenders are invited for supply and installation of **HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER** in the National Institute of Science Education & Research, Jatni.

1. The details of tender notification can be downloaded from www.tenderwizard.com/NISER under "Tender Free View" link.
2. Vendors should obtain the USER ID and PASSWORD from www.tenderwizard.com/NISER by clicking on "REGISTER ME" link in the homepage.
3. The Vendor registration fees has to be paid to ITI Ltd for Rs. 1180/-. Using the epayment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 1year.
4. For further details on eTender participation, please contact ITI Help desk on
 Telephone: 080-49352000/9686115318
 Email: harishkumar.kb@etenderwizard.com, ambasa@etenderwizard.com.
5. Tenders should be submitted only through e-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.

**(Deepak Srivastava)
Stores & Purchase Officer**

The Institute can provide following documents.

1. Custom Duty exemption certificate.

2. GST exemption certificate

COST OF TENDER IS RS. 1500/- (NON REFUNDABLE).

This is payable through or Demand Draft of a scheduled Bank in favour of Director, National Institute of Science Education and Research, Jatni. Tender cost along with EMD shall reach NISER before date of tender opening. Scan copy must be attached with e-tender submission.



**PART – 1-Technical
TERMS & CONDITIONS
FOR SUPPLY AND INSTALLATION OF
HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER
FOR**

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI

Notice Inviting E-Tender No. 38/2017(NC-000481-BIO-17-18) (2 Part Tender)

1. Director, National Institute of Science Education & Research, Jatni (NISER) invites sealed tenders for **HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER** from the Manufacturer and their authorised reseller only having following credentials.
 - A. Should have satisfactorily completed **similar supply** (at least one of them in Central Government/Central Autonomous Body/Central PSU)
 - B. **Similar or Similar Nature of work means** Supply & Installation of any **HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER not necessarily of the same specifications as the one being tendered** for any of the following :
 - a) **Government/Autonomous Institutions**
 - b) **Government Research Centres**
 - c) **Universities**
 - d) **Autonomous/Reputed Private Research Centres**
 - e) **Purchase Orders / Completion certificates if any, for supporting above requirements.**

The Bidders are requested to give detailed tender in the prescribed forms in two Bids
i.e. Part - I Technical Bid.
Part - II Commercial Bid.

3. **Contact for information:** (Only E-mail enquiries will be entertained)

For Technical Information of HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER:

Dr. S. Chawla

School of Biological Sciences, NISER.

E-Mail – Saurabh Chawla <saurabhchawla@niser.ac.in>

For Information regarding Commercial & all other Terms & Conditions:

Deepak Srivastava

Stores & Purchase Officer

National Institute of Science Education & Research, Jatni

E-Mail-spo@niser.ac.in

3. Supply means:

“Supply, Installation, Commissioning and satisfactory demonstration of the whole equipments”.

If any charges extra are payable for Installation and Commissioning, the same should be specified in the commercial offer.

4. Tender Document:

The Technical Offer should comprise of the following:

- a) Tenders, which are submitted without following the Two-Bid Offer System, will summarily be rejected.
- b) The technical offer should be complete to indicate that all products and services asked for are quoted.
- c) The purpose of certain specific conditions is to get or procure best product/service etc. for NISER. The opinion of Technical Committee shall be the guiding factor for technical short listing.
- d) The earnest money deposit & tender fee as indicated against the item should be send by post so that it reaches on or before the opening of the technical bid for e-tender system in the form of Account Payee Bank Draft payable on any branch of Nationalised/Schedule Bank at Bhubaneswar/ Jatni in favour of “Director, National Institute of Science Education & Research, Jatni”, in a separate sealed envelope. Scan copy must be attached with e-tender submission. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bids shall not be opened. No interest is payable on EMD. The EMD will be returned to the bidders(s)/Agents whose offer is not accepted by NISER within one month from the date of the placing of the final order(s) on the selected bidder(s). In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Bank Guarantee (if applicable). However, if the return of EMD is delayed for any reason, no interest /penalty shall be payable to the bidders.

EMD EXEMPTION:

PARTIES REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD. FOREIGN PARTIES QUOTING DIRECTLY UNDER ORIGINAL SEAL AND SIGNATURE (NOT SCANNED) WILL GET THE EXEMPTION.

The EMD shall be forfeited:

If the bidder withdraws the bid during the period of bid validity specified in the tender. In case a successful bidder fails to furnish the Performance Bank Guarantee (if applicable).

- e) Undertaking that the successful bidder agrees to give a Performance Bank Guaranty of 10% of the purchase order value in favour of “Director, National Institute of Science Education & Research, Jatni valid till warranty period.

Performance Bank Guarantee:

Within ten (10) days of the award of contract, the vendor shall furnish a Performance Bank Guarantee amounting to 10% of the purchase order value in the form of Bank Guarantee favouring the Director, National Institute of Science Education & Research, Jatni valid till completion of warranty period.

- f) If the bid is for branded makes, authorization letter from principals clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply given in this tender document.
- g) Copy of GST No. and PAN No. allotted by the concerned authorities.
- h) List of deliverables / Bill of materials and services.
- i) Compliance sheet with any deviation with reference to the terms and specifications.
- j) The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.

“Commercial Bid” shall contain:

- a) Price schedule complete in all respects with proper seal and signature of authorized person.
Tender with any condition including conditional rebate shall be rejected forthwith.
- b) Cost of all the items should be mentioned clearly and individually in the Commercial Offer only.

- c) **The Bidders are requested to quote for Educational/Institutional Price for Machine/ Equipment and, since we are eligible for the same.**
- d) **Printed conditions of the vendor submitted with the tender will not be binding on NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.**

5. Tender process & award of contract.

The technical bids will be evaluated to shortlist the eligible bidders. The commercial bids of only the short listed bidders shall be considered for further processing. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be informed about the date and time of the opening of the commercial bid.

- NISER will open commercial bids of only the short listed bidders, in the presence of the bidders or their authorized representatives who choose to attend the commercial bid opening. The Date and Time of opening the Commercial Bid will be intimated only to pre-qualified and technically acceptable Bidders for the item at a later date.
 - ONLY TECHNICALLY accepted competitive bids will be considered for placing Purchase Order. The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening.
 - **Purchaser's Right to vary Quantities at the time of Award:** NISER reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.
6. **The Director NISER reserves the right to accept the offer in full or in parts or reject summarily or partly.**

7. Delivery Period / Timeliness

The deliveries, installation must be completed within 180 days, after placement of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet these expectations, as they are tightly linked to NISER's plans of completing the project within the time frame.

8. Locations for the Supply / Services

The Laboratory Equipments covered by this document is required to be supplied and installed at School of Biological Sciences of NISER, Jatni.

9. Order Placement and Release of Payment

The Purchase Order and payment shall be processed by –

**Stores & Purchase Officer
National Institute of Science Education & Research,
Jatni Campus, P.O. – Bhimpur-Padanpur, Via-Jatni,
Khurda – 752050, Odisha, INDIA**

Payment for the items to be supplied by the vendor against the purchase order shall be made by National Institute of Science Education & Research as follows:-

For Foreign Currency:- 100% payment will be made through Letter of Credit. 80% will be paid after submission original shipping documents & balance 20% will be released after satisfactory installation, commissioning, warranty certificate and along with submission of Performance Bank Guarantee.

For INR:- 80% will be paid after delivery & submission of relevant documents & balance 20% will be released after satisfactory installation, commissioning, warranty certificate and along with submission of Performance Bank Guarantee.

Agency Commission: Agency Commission to be paid to India Agent should be specified separately and same will be paid in INR.

The tenderers who are not agreeing to above payment terms are requested not to submit their tender otherwise their EMD will be forfeited.

10. NISER will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Principal Supplier/Indian Agent to make their own arrangements.

11. The successful bidder, on award of contract / order, must send the contract / order acceptance in writing, within 7 days of award of contract / order failing which the EMD will be forfeited.

12. Period of validity of bids

- Bids shall be valid for a period of 90 days from the date of opening the Technical bid.
- NISER may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid.
- Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

13. Corrupt or Fraudulent Practices

NISER requires that the bidders who wish to bid for this project have highest standards of ethics. NISER will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. NISER may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.

14. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, NISER's interpretation of the clauses shall be final and binding on all parties.

15. Price

- The price quoted shall be considered firm and no price escalation will be permitted at any time. The quotation should be in Indian Rupees or any known foreign currency. Packing, forwarding, freight, insurance, **Agency commission** and commissioning charges, if any extra may be quoted separately in Commercial Bid.
- In case of INR bids the price criteria should be on F.O.R., NISER, Jatni. Govt. Levies like GST, etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, GST, etc., if any.
- Please provide TIN no. of the firm along with the GST No. allotted by the concerned authorities in your quotation.
- In case of Foreign Currency bid: - Price criteria should be FOB nearest airport detail break up of Price, FCA cost, **Agency Commission**, Insurance, Freight up to Kolkata Airport is required.
- NISER may place order at CIF Kolkata Airport basis.

16. Pre-installation:

Pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in NISER, Jatni the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipments. In other words the bidder should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

17. Installation, Warranty & Support

- Bidder shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- The items covered by the schedule of requirement shall carry minimum Five years comprehensive warranty from the date of acceptance of the equipments by NISER. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.
- The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, GST, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.
- The bidder shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.
- The equipment must be supported by a Service Centre manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, three days a week and 365 days a year. Also it should be possible to contract the Principal's vendor support Centre on a toll free number/web/mail.
- The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.

18. Indemnity

- The vendor shall indemnify, protect and save NISER against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by him.
- The successful will be fully responsible for payment of wages and other dues as prescribed and compliance of various Labour Laws.
- The successful tender should give an undertaking that the staff deployed at the centre in terms of this contract at all time will be employees of the agency exclusively and they shall not be entitled to any claim of employment or permanency of job with NISER.
- NISER reserves the right to forfeit whole or part of the security money towards any damage/lose caused due to the negligence on the part of the agency engaged.

19. Insurance

The equipment's to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at NISER site in case of Rupee/Foreign currency transaction.

20. Penalty for delayed Services / LD

As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the bidder will forfeit EMD/SD and also LD clause will be applicable /enforced.

If the supplier fails to Supply, Install and Commission the equipment as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

NISER reserves the right to cancel the order in case the delay is more than 30 days Penalties, if any, will be deducted from the EMD.

21. Jurisdiction

If a dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived therefrom, the parties agree to submit that dispute to arbitration under the ICADR Arbitration Rules, 1996.

The authority to appoint the arbitrator(S) shall be the International Centre for alternative dispute resolution.

The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR arbitration Rules, 1996.

**Stores & Purchase Officer
NISER, Jatni**

DECLARATION BY THE VENDOR

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 21 and we have not given any printed conditions beyond the scope of this tender. This is also certified that I/We/our principal manufacturing firm have no objection in signing the purchase contract if the opportunity for the supply of the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of:

(Company Seal)



**PART – 1-TECHNICAL
FOR SUPPLY AND INSTALLATION OF
HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER
FOR
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI
Notice Inviting E-Tender No. 38/2017(NC-000481-BIO-17-18) (2 Part Tender)**

General Information –Self Attested

Sl. No.	Basic Information's	Please fill details	Page No. with name of the documents attached in support of information required
1	Name of the Company		
2	Full address of company along with Telephone no. Fax no. E-mail address :		
3	Local address of company for communication, if any		
4	Are you a manufacturer or dealer/reseller		
5	if dealer please attach certificate from your principal company clearly showing validity of the certificate		
6	If foreigner supplier: Please give details of your Indian authorised partner if any		
7	Annual turn over in last 3 financial years in Rs. Crores. (i) Year 2014-2015 (ii) Year 2015-2016 (iii) Year 2016-2017 Please attach balance sheet		
8	Supply & Installation of any HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER or equivalent to our tendered of last 3 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value) (Please attach list of clients) (i) Year 2014-2015 (ii) Year 2015-2016 (iii) Year 2016-2017 Please attach copy of Purchase Order/ Completion Certificate		
9	GST Registration no. with Place		
10	Income Tax Registration no. with place		
11	Photocopy of EMD		

12	Name and address on whom purchaseorder will be placed		
13	Bank details of the supplier on which order will be placed		
14	If you are claiming exemption certificate under SSI/DGS&D/DAE, Please attach self attested copy of certificate which should be valid during the tender process		
15	Please mention the delivery period		
16	Service center details & principal vendor support centre		
17	Declaration to be submitted by Vendor		
18	Warranty 5 years Accepted/Not Accepted		



**SUPPLY AND INSTALLATION
OF
HIGH PRESSURE HORIZONTAL RECTANGULAR STERILIZER
FOR**

National Institute of science education and research, JATNI

Notice Inviting E-Tender No. 38/2017(NC-000481-BIO-17-18)

PART-1- TECHNICAL BID

SL. No.	Item Specification	Accepted/Not Accepted/Deviation if any. Please specify your specification if deviation is there	Page No. of your specifications/Brocchure/ Deviation, etc attached in support of your specification/deviation
<p>NISER is planning to procure High Pressure A) Horizontal Rectangular Sterilizer, capacity 1200 litre, double hinged door, suitable for operation on electricity- 1 no. B)High Pressure Horizontal Rectangular Sterilizer, capacity 650 litre, double hinged door, suitable for operation on electricity- 1 no. The vendor should meet all the requirements given below to comply.</p>			
<p>The technical quote must be accompanied by a detailed technical document of the equipment components quoted from OEMs. Description proving compliance to each of the above technical requirement must be clearly highlighted (manually by the bidding vendor) in the said technical document, and the serial number of the related technical point must be noted next to the highlighting. In case the specific information is not present in the document, it must be clearly mentioned with a web-link, where in the website of the OEM such information about the quoted equipment can be found. Failure to satisfy these conditions, or unavailability of information to prove the technical features, or incomplete or unclear or false information provided in the technical quote will be grounds for summary disqualification. The onus is on the quoting party to provide all the information required for technical assessment, and such assessment will be carried out solely on the basis of the information provided to NISER in the technical quote.</p>			
1	<p>The chamber and doors would be made of stainless steel AISI 316 quality and electric steam generator would be made of stainless steel AISI 304 quality. The jacket would be made of boiler quality steel. The jacket is insulated with 50mm thick glass wool insulation covered with SS 304 sheet. Baffle plate is provided inside the chamber for excellent steam distribution in the chamber.</p>		
2	<p>Automatic self locking device is provided with the Door assembly to lock the door when the chamber is under pressure. The chamber would be hydraulically tested to 2 times the working pressure. The normal working pressure would be 1.2Kg/cm² corresponding to temperature of 121oC. The unit would be manufactured as per Bureau of Indian Standards specification and would bear certification mark IS:3829(Part-I) & ISO 9001:2008 certified, ISO 13485 : 2003 & CE certified. Sterilization of biological and laboratory ware in compliance to GLP/GMP regulatory norms. Valid certificates in support must be included in technical bid otherwise the bid stands rejected. Proof of installation of similar system in 2 of the GLP certified facilities should be enclosed.</p>		

3	<p>The sterilizer would be incorporated with the following mountings and fittings:</p> <ul style="list-style-type: none"> a) Semi Automatic with pre-selected and variable programs b) Mechanical ejector c) Self sterilizing vacuum drier d) One spring loaded safety valve and one vacuum breaker. e) Chamber discharge line would consist of one plug screen, one dial thermometer, one swing check valve, one steam trap f) Automatic self locking device - The door would have automatic locking device when it is under pressure. g) Electric steam generator made of SS 304 and fitted with 6nos. 6KW heaters each, one low water protection and one automatic pressure controller, one air break contactor with toggle switch indicating lamps, gauge glass assembly for the steam generator would have 2nos. automatic shut off valves. The heaters would be mounted on a thick stainless steel plate. The unit would be provided with high pressure Feed Water Pump for automatic filling of water into the steam generator when under pressure with interconnecting pipes, solenoid valves etc. 		
4	<p>The digital display at front panel will show the following parameters:</p> <ul style="list-style-type: none"> 1) Chamber temperature 2) Cycle no. 3) Batch no. 4) Time & Date 5) Alarm indicator 6) Error display A9 7) Low water indicator 8) Built –in memory to store number of cycles. User interface should be easy to operate, have digital display enabling visualization of stage of the cycle, set and process temperature, pressure and quick access to important information, and preferably have graphical display of temperature and pressure. Should have facility to store identification codes and password codes for access level control. 		
5	<p>There should be minimum six different settings of cycles. Five cycles can be pre-set as per the customer’s requirement and One cycle can be left un programmed for the flexibility of the customer so that they can set and select his choice of programming. The technician can program the cycles with his choice of different settings of time and temperature, which can be used to sterilize various types of contents / materials.</p>		
6	<p>Power requirement: A suitable size of electrical switch gear 3 phase 440 volt with earthing and recommended size of current capacity MCCB will be made available on wall at appropriate place. Other connections and installations have to be done by the supplier. Additionally, if required, Suitable servo voltage stabilizer should be included in the technical bid quote.</p>		
7	<p>Warranty: Common onsite warranty for 5years including labour / spares/parts etc and calibration once in a year.</p>		
8	<p>TRAINING:-Training of operation personnel will have to be arranged by the manufacturer / supplier during the period of installation and commissioning of the sterilizer. POSITIONING:-Offloading and positioning of the sterilizer will be as advised by the in-charge of this work.</p>		

9	The bidders are requested to visit the site of installation and give their requirement for additional set up if any before submitting their offer. All orders should be processed as per purchase guidelines of NISER following GoI rules and regulations. The instrument will be installed at Animal House facility segregating clean area and dirty area. A cutout will be made available. Complete installation including the fixation will be in the scope of vendor.		
10	Service Engineer with OEM certification and authorisation should be available in India.		
11	The system should be delivered to the Animal House facility at NISER Jatani by the vendor and installation must be carried out by OEM authorised engineer.		