भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुवनंतपुरम
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
THIRUVANANTHAPURAM
(भारत सरकार, शिक्षा मंत्रालय/ Govt. of India, Ministry of Education)
मरुतामला.पी.ओ/ MARUTHAMALA.P.O, वितुरा/ VITHURA / तिरुवनंतपुरम/
THIRUVANANTHAPURAM - 695 551 केरला/ KERALA, भारत/ INDIA / फोन/ Phone:
0471-2778019 / ईमेल/ email: purchasestores@iisertvm.ac.in

Tender No.: IISER/PUR/1077/SR/YC/SB/26-27 **तारीख/ Date: 09.11.2026**

Index for Invitation for Tender (IFT) (E-Procurement mode only)

1. The Institute invites Two Cover Tenders from Class I and II local suppliers, as per DPIIT order No. P-45021/2/2017-PP (BE-II) dated 04 Jun 2020, for the following items through the eProcurement System of National Informatics Centre that enables the Tenderers to submit the bids online through Central Public Procurement Portal of Government of India (https://eprocure.gov.in/eprocure/app.)

Sl. No ./		/ Description	Qty
1.	1.01	Supply, Installation, Testing, Commissioning and Demonstration (SITC) of Fully Automatic Compact Double-Door Pass-Through Horizontal High-Pressure Rectangular Steam Sterilizer (Autoclave) for the SPF Laboratory Animal House, as per technical specifications at Annexure 8 (Table 1)	1
	1.01	AMC for Item 1.01 (including all utilities) for 3 years after the 5-year warranty period.	3 Years
2.	2.01	Supply, Installation, Testing, Commissioning and Demonstration (SITC) of Fully Automatic Compact Double-Door Horizontal High-Pressure Rectangular Steam Sterilizer (Autoclave) for the Decontamination Facility of School of Biology, as per technical specifications at Annexure 8(Table 2)	1
	2.02	AMC for Item 2.01 (including all utilities) for 3 years after the 5-year warranty period.	3 Years

Item-wise evaluation: This tender consists of two items, bidders may quote for either one or both items. Technical evaluation and determination of L1 will be done item-wise (*SL. No. 1 & Sl. No. 2 of the BoQ will be treated as Item wise L1 (The AOC will be awarded to the L1 of 1.01 & 1.02 combined and 2.01 & 2.02 combined respectively)),* and the Institute may award each item separately to the technically qualified L1 bidder for that item. For each item, L1 will be decided on the total quoted value of the item (supply, installation, testing, commissioning and demonstration with 5 years warranty) plus the charges for 3 years post-warranty AMC, inclusive of all taxes and duties, as quoted in the BoQ.

Site visit: Prospective bidders must visit the installation site(s) before submitting their bids (Annexure 8, Table 1, clause 22). Site visits may be arranged on working days by prior appointment through purchasestores@iisertvm.ac.in, preferably before the Clarification End Date.

2. Annexures enclosed: Bidders should follow the annexures before submission of bid:-

1.	Annexure 1	Instructions To Bidder for Online Bid Submission
2.	Annexure 2	General Terms and conditions of Contract
3.	Annexure 3	Tender Acceptance Letter
4	Annexure 4	Integrity Pact
5	Annexure 5	Model bank guarantee format for EMD
6	Annexure 6	Model bank guarantee format for performance security
7	Annexure 7	Special conditions of tender
8	Annexure 8	Technical specifications
9	Annexure 9	Format for self-certification of local content
10	Annexure 10	Declaration for not sharing land border with India
11	Annexure 11	Certificate of not blacklisted
12	Annexure 12	Checklist

3) All the correspondence in this regard should be done in favor of Joint Registrar (Purchase & Stores), IISER Thiruvananthapuram referring the tender reference number. Email id – purchasestores@iisertvm.ac.in

4) ईएमडी/**EMD: Rs. 4,20,000/- (Rupees Four lakh twenty thousand only)** स्टेट बैंक संग्रह द्वारा भुगतान करना चाहिए - निविदा संख्या और कंपनी का नाम उल्लेख किया जाना चाहिए। उद्धरण के साथ लेनदेन पर्ची / प्रिंट आउट या ईएमडी मूल्य के बराबर 90 दिनों की वैधता में बैंक गारंटी या बोलीदाता के उपक्रम जमा करना चाहिए।/ should be paid through State Bank Collect– Tender No & Company Name must be mentioned in the Remarks column. (https://www.onlinesbi.com/sbicollect/icollecthome.htm (State Bank Collect- Accept-Term and Conditions- Proceed-Select State **Kerala-**Select Type of Institution-**Educational Institution-** Select - **IISER Thiruvananthapuram**- Select Payment Category- **Stores and Purchase**) Quotes should accompany a copy of Transaction slip /Print out **OR** Bank guarantee equivalent **OR** Insurance Surety Bond to the EMD value with validity 90 days (should reach before tender due dates). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

5) Online Bid Submission: The documents to be uploaded in the e-procurement module, should be in two envelops / covers.

6) Failure to upload the documents as per checklist will lead to rejection of bids.

7) Please quote only in Indian Rupees as per GFR 2017 amended Rule 161 (iv) and Public Procurement (Preference to make in India) order 2017, with your lowest rate and shortest delivery period as per the following terms. As per Govt of India, Ministry of Commerce and Industry, DPIIT order No. P-45021/2/2017-PP (BE-II) dated 16 Sep 2020 only Class I local Supplier (having minimum local content 50%) and Class II local supplier (having minimum local content 20% but less than 50%) are invited for this tender. Non-local suppler (having local content less than 20%) are not eligible to apply. Local Content means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties). Class I local supplier / Class-II local supplier are required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier' / 'Class-II local supplier', as the case may be. They shall also give details of the locations(s) at which the local value addition is made. Format for self-certification is given in **Annexure 9** of the tender document. Any non-compliance in this regard, the bid will not be considered in the category.

8. As per Ministry of Finance, Department of Expenditure order No. F.No./6/18/2019-PPD dated 23 Jul 2020 any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department of Promotion of Industry

and Internal Trade (DPIIT). Format for certificate for the same is given in **Annexure 10** of the tender document. 'Bidder' for the purpose of this order (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process. Bidder from a country which shares a land boarded with India 'for the purpose of this order means:-

i. An entity incorporated, established or registered in such a country; or
ii. A subsidiary of an entity incorporated, established or registered in such a country; or
iii. An entity substantially controlled through entities incorporated, established or registered in such a country; or
iv. An entity whose beneficial owner is situated in such a country; or
v. An Indian (or other) agent of such an entity; or
vi. A natural person who is a citizen of such a country; or
vii. A consortium or joint venture where any member of the consortium of joint venture falls under any of the above.

9.

1st Envelope / Cover (Technical Bid)		
Sl No	**Contents**	**Format**
1.	Clause-by-clause compliance statement.	PDF
2.	Detailed brochures, data sheets, catalogues etc. supporting the compliance of specifications	PDF
3.	List of users / installations in India of the offered model (minimum three installations) and at least three satisfactory performance certificates from end users, as required in Annexure 8	PDF
4.	Any other document as mentioned in the specifications (certifications, CDSCO license, BIS / US FDA / CE certificates, service support details, etc.) or essential as per bidder	PDF
5.	All commercial terms and conditions of the bid (except price)	PDF
6.	Tender Acceptance Letter, EMD, Declarations as per Annexure 9,10,11 and Checklist	PDF
2nd Envelope / Cover (Price Bid)		
1.	Price bid in the BoQ format	Excel (.xls)
2	Commercial Bid (Financial Bid) in PDF format in the Price Bid (Cover 2), on company letterhead, duly signed and sealed as per clause 12 below:	PDF

10. Note: Please note being an Institute under Ministry of Education, Govt of India, the Institute will not entertain any type of advance payment for the equipment, AMC or any other services.

11. Detailed Specifications: Please refer Annexure 8. Clause-by-clause compliance statement shall be submitted.

12. In addition to the BoQ (.xls), bidders shall upload a separate Commercial Bid (Financial Bid) in PDF format in the Price Bid (Cover 2), on company letterhead, duly signed and sealed. For each item quoted, it shall give the price break-up of the autoclave: basic price, accessories and utilities in the scope of supply, installation/commissioning/training charges, freight and insurance up to site, and GST

with the applicable rate shown separately. It shall also give the year-wise charges for the 3-year post-warranty AMC with GST, and the scope of the AMC (preventive maintenance visits, breakdown calls, spares and consumables included or excluded).

13. The Commercial Bid shall clearly state the commercial terms and conditions: price basis, delivery and installation period, warranty, payment terms (no advance payment), bid validity (minimum 90 days), performance security and service support. The prices in the PDF shall match the BoQ, and if they differ, the BoQ price will prevail for evaluation. Prices shall not be disclosed in the Technical Bid (Cover 1); any bid that discloses them there will be rejected.

14. Integrity pact (IP) is deemed as a part of the contract and the parties concerned are bound by its provisions. IP would be implemented through a panel of Independent External Monitors (IEMs): The details of IEMs are given below.

1. Shri. E.K. Bharat Bhushan, IAS (Retd.), Email: bbhushan55@gmail.com
2. Commodore Rakesh Anand (Retd), Email: ansem_2000@yahoo.com

Any violation of IP would entail disqualification of the bidders and exclusion from future business dealings, as per the existing provision of GFR 2017 etc. as may be applicable to IISERTVM.

Joint Registrar
(Purchase & Stores)

Invitation for Tender (E-Procurement mode only)

1	Work / Item Description	Supply, Installation, Testing, Commissioning and Demonstration (SITC) of two Steam Sterilizers (Autoclaves) for School of Biology (Item 1 and Item 2 as per Annexure 8)
2	Quantity Required	2 Nos. (Item 1: 1 No.; Item 2: 1 No.) as per Annexure 8
3	Tender Type	Open
4	Tender Reference No	IISER/PUR/1077/SR/YC/SB/26-27
5	Number of covers (1/2/3/4)	2 (Technical and Financial)
6	Date of Issue/Publishing	09.11.2026
7	Document Download/Sale Start Date	09.11.2026 (1500 Hrs)
8	Document Download/Sale End Date	30.11.2026 (1500 Hrs)
9	Clarification End Date	16.11.2026 (1500 Hrs)
10	Last Date and Time for Uploading of Bids	30.11.2026 (1500 Hrs)
11	Date and Time of Opening of Technical Bids	01.12.2026 (1500 Hrs)
12	Date of Opening of Price Bid	Will be intimated later
13	Tender Fee (INR)	Nil
14	EMD Amount (INR)	Rs. 4,20,000/- (Rupees Four lakh twenty thousand only)
15	Detailed Specifications	As per annexure 8

1. Please note being an Institute under Ministry of Education, Govt of India, the Institute will not entertain any type of advance payment for the equipment, AMC or any other services.

2. Bidders may quote for one or both items. Evaluation and award will be item-wise (item-wise L1), as stated in para 12 of the Index for Invitation for Tender.

09/11/2026

Joint Registrar
(Purchase & Stores)

Annexure 1

Instructions for Online Bid Submission

1) The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.
2) More information useful for submitting online bids on the CPP Portal may be obtained at: https://eprocure.gov.in/eprocure/app.

REGISTRATION

1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "Online bidder Enrollment" on the CPP Portal which is free of charge.
2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.
3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

The document 'Instructions To Bidder for Online Bid Submission' is downloadable from :
https://eprocure.gov.in/eprocure/app?page=StandardBiddingDocuments&service=page

Annexure 2

GENERAL TERMS & CONDITIONS OF THE CONTRACT

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2.38	Protection against Damage
2.39	Site preparation and installation

2.1 DEFINITIONS

2.1.1 The following words and expressions shall have the meanings hereby assigned to them:

a) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.

b) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto.

c) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

d) "Day" means calendar day.

e) "Completion" means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.

f) "GCC" means the General Conditions of Contract.

g) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.

h) "Related Services" means the services incidental to the supply of the goods, such as transportation, insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.

i) "SCC" means the Special Conditions of Contract.

j) "Subcontractor" means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.

k) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.

l) Indian Institute of Science Education and Research, Thiruvananthapuram (IISER-TVM) means a society registered under the Travancore Cochin Literary Scientific and Charitable Societies' Registration Act, 1995 (12 of 1955) on 20.02.2008 at Kerala at no. T.342/08.

m) "The final destination," where applicable, means the place named in the SCC.

2.2 CONTRACT DOCUMENTS

2.2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

2.3 FRAUD AND CORRUPTION

2.3.1 The purchaser requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

a) The terms set forth below are defined as follows:
   i) "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
   ii) "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
   iii) "Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Borrower, designed to establish bid prices at artificial, noncompetitive levels; and
   iv) "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

b) the purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;

2.4 JOINT VENTURE, CONSORTIUM OR ASSOCIATION

2.4.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

2.5 SCOPE OF SUPPLY

2.5.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

2.6 SUPPLIERS' RESPONSIBILITIES

2.6.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with Scope of Supply Clause of the GCC, and the Delivery and Completion Schedule, as per GCC Clause relating to delivery and document.

2.7 CONTRACT PRICE

2.7.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.

2.8 COPYRIGHT

2.8.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

2.9 APPLICATION

2.9.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

2.10 STANDARDS

2.10.1 The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications and Schedule of Requirements, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

2.11 USE OF CONTRACT DOCUMENTS AND INFORMATION

2.11.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information, furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract.

Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.

2.11.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated above except for purposes of performing the Contract.

2.11.3 Any document, other than the Contract itself, enumerated above shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

2.12 PATENT INDEMNITY

2.12.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 12.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

(a) the installation of the Goods by the Supplier or the use of the Goods in India; and
(b) the sale in any country of the products produced by the Goods.

2.12.2 If any proceedings are brought or any claim is made against the Purchaser, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claims.

2.13 PERFORMANCE SECURITY

2.13.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish performance security in the amount specified in SCC, valid till 60 days after the warranty period. Alternatively, the PS may also be submitted at the time of release of final payment in cases where part payment is made against delivery & part on installation. The PS, where applicable, shall be submitted in advance for orders where full payment is to be made on Letter of Credit (LC) or on delivery. In this case, submission of PS at the time of negotiation of documents through Bank would be stipulated as a condition in the LC and the BS should be kept valid till such time the PS is submitted.

2.13.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

2.13.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries.

2.13.4 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.

2.13.5 The Performance security shall be in one of the following forms:

(a) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India or a bank located abroad in the form provided in the bidding documents. Or,
(b) A Banker's cheque or Account Payee demand draft in favour of the purchaser. Or,
(c) A Fixed Deposit Receipt pledged in favour of the Purchaser.

2.13.6 The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise in SCC, without levy of any interest.

2.13.7 In the event of any contract amendment, the supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the performance security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.

2.13.8 The order confirmation should be received within 15 days from the date of notification of award. However, the Purchaser has the powers to extend the time frame for submission of order confirmation and submission of Performance Security (PS). Even after extension of time, if the order confirmation /PS are not received, the contract shall be cancelled and limited tenders irrespective of the value would be invited from the responding firms after forfeiting the bid security of the defaulting firm, where applicable provided there is no change in specifications. In such cases the defaulting firm would not be considered again for re-tendering in the particular case.

2.14. INSPECTIONS AND TESTS

2.14.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC or as discussed and agreed to during the course of finalization of contract.

2.14.2 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Technical Specifications and SCC shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes

2.14.3 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

2.14.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer

any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection

2.14.5 Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

2.14.6 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

2.14.7 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

2.14.8 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

2.15 PACKING

2.15.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

2.15.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser

2.16 DELIVERY AND DOCUMENTS

2.16.1 Delivery of the Goods and completion and related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.

2.16.2 The terms FOB, FCA, CIF, CIP etc shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris.

2.16.3 The mode of transportation shall be as specified in SCC

2.17 INSURANCE

2.17.1 Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in SCC.

2.17.2 Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary and initiate & pursue claims till settlement, on the event of any loss or damage.

2.17.3 Where delivery is on FOB or FCA basis, insurance would be the responsibility of the purchaser.

2.17.4 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

2.18 TRANSPORTATION

2.18.1 Where the Supplier is required under the Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price.

2.18.2 Where the Supplier is required under the Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

2.18.3 In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, as specified in the Contract, shall be arranged by the Supplier, and the related costs shall be included in the Contract Price.

2.19 INCIDENTAL SERVICES

2.19.1 The supplier may be required to provide any or all of the services, if any, specified in SCC

2.20 SPARE PARTS

2.20.1 The Supplier shall be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

(a) Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and

(b) In the event of termination of production of the spare parts:

(i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and

(ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

2.21 WARRANTY

2.21.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

2.21.2 The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.

2.21.3 Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

2.21.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof.
The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

2.21.5 Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

2.21.6 If having been notified, the Supplier fails to remedy the defect within the reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

2.21.7 Goods requiring warranty replacements must be replaced on free of cost basis to the purchaser.

2.22 TERMS OF PAYMENT

2.22.1 The method and conditions of payment to be made to the Supplier under this Contract shall be as specified in the SCC.

2.22.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to Delivery and document Clause of the GCC and upon fulfillment of other obligations stipulated in the contract.

2.22.3 Payments shall be made promptly by the Purchaser but in no case later than thirty (30) days after submission of the invoice or claim by the Supplier.

2.22.4 Payment shall be made in currency as indicated in the contract.

2.23. CHANGE ORDERS AND CONTRACT AMENDMENTS.

2.23.1 The Purchaser may at any time, by written order given to the Supplier pursuant to Clause on Notices of the GCC make changes within the general scope of the Contract in any one or more of the following:

(a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
(b) The method of shipping or packing;
(c) The place of delivery; and/or
(d) The Services to be provided by the Supplier.
(e) The delivery schedule.

2.23.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within fifteen (15) days from the date of the Supplier's receipt of the Purchaser's change order.

2.23.3 No variation or modification in the terms of the contract shall be made except by written amendment signed by the parties.

2.24. ASSIGNMENT

2.24.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

2.25. SUBCONTRACTS

2.25.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or duties or obligation under the Contract.

2.26 EXTENSION OF TIME.

2.26.1 Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser.

2.26.2 If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, it's likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract.

2.26.3 Except as provided under the Force Majeure clause of the GCC, a delay by the Supplier in performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause of the GCC unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.

2.27 PENALTY CLAUSE

2.27.1 Subject to GCC Clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services or contract value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC. Clause on Termination for Default. The SCC shall also indicate the basis for ascertaining the value on which the penalty shall be applicable

2.28. TERMINATION FOR DEFAULT

2.28.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part

(a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause on Extension of Time; or

(b) If the Supplier fails to perform any other obligation(s) under the Contract.

(c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices as defined in GCC Clause on Fraud or Corruption in competing for or in executing the Contract.

2.28.2 In the event the purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action:

(a) The Performance Security is to be forfeited;

(b) The purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.

(c) However, the supplier shall continue to perform the contract to the extent not terminated.

2.29 FORCE MAJEURE

2.29.1 Notwithstanding the provisions of GCC Clauses relating to extension of time, penalty and Termination for Default the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

2.29.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

2.29.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

2.29.4 If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

2.30 TERMINATION FOR INSOLVENCY

2.30.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

2.31 TERMINATION FOR CONVENIENCE

2.31.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

2.31.2 The Goods those are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

(a) To have any portion completed and delivered at the Contract terms and prices; and/or

(b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

2.32 SETTLEMENT OF DISPUTES

2.32.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

2.32.2 If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

2.32.3 The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

(a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the

Chairman, Board of Governors of IISER TVM and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

(b) In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

2.32.4 The venue of the arbitration shall be the place from where the purchase order or contract is issued.

2.32.5 Notwithstanding any reference to arbitration herein,

(a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

(b) the Purchaser shall pay the Supplier any monies due the Supplier.

2.33 GOVERNING LANGUAGE

2.33.1 The contract shall be written in English language which shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the English language only.

2.34 APPLICABLE LAW

2.34.1 The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction as specified in SCC.

2.35 NOTICES

2.35.1 Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX, e-mail or and confirmed in writing to the other party's address specified in the SCC.

2.35.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

2.36 TAXES AND DUTIES

2.36.1 For goods manufactured outside India, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside India.

2.36.2 For goods Manufactured within India, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred till its final manufacture/ production.

2.36.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in India, the Purchaser shall make its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

2.37 RIGHT TO USE DEFECTIVE GOODS

2.37.1 If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

2.38 PROTECTION AGAINST DAMAGE

2.38.1 The system shall not be prone to damage during power failures and trip outs.
The normal voltage and frequency conditions available at site as under:

(a) Voltage 230 volts – Single phase/ 415 V 3 phase (+_ 10%)

(b) Frequency 50 Hz.

2.39. SITE PREPARATION AND INSTALLATION

The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchasers' site immediately after notification of award/contract.

Joint Registrar
[PURCHASE & STORES]
IISER TVM

Annexure 3

TENDER ACCEPTANCE LETTER (To be given on Company Letter Head)

To, Date:

The Director, Indian Institute of Science Education and Research – Thiruvananthapuram, Maruthamala P:O, Vithura, Thiruvananthapuram, Kerala -695551, India.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

_____

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____

   _____

   as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.
7. I / We declare the following information provided are correct to the best of my knowledge:

1.	Name and Address of the bidder	
2.	Manufacturer / Dealer / Agent	
3.	Contact Person	
4.	Phone	
5.	Email	
6.	Mobile Number	
7.	GST No	
8.	PAN No	
9.	UTR No / DU No (Tender Fee, if any)	
10.	UTR No / DU No (in case of online transfer of EMD)	
11.	Warranty, if any	
12.	Delivery period	
13.	Payment terms	
14.	PO to be placed in favour of	
15.	Local content category(Class I/II/III)	

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

Annexure 4

INTEGRITY PACT
Between

Indian Institute of Science Education and Research Thiruvananthapuram, Maruthamala P.O, Vithura, Trivandrum -695551, India hereinafter referred to as **"The Principal,"** and

_____

hereinafter referred to as **"The Bidder/ Contractor."**

Preamble

The Principal intends to award contract/s for_____, under laid down organisationalprocedures, The Principal values full compliance with all relevant laws of the land, ruies, regulations, economical use of resources, and fairness / transparency in its relations with its Bidder(s) and / orContractor(s).

To achieve these goals, the Principal shall appoint Independent External Monitors (IEMs) who shall monitor the tender process and the execution of the contract for compliance with the abovementioned principles.

Section 1 – Commitments of the Principal

1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

a. No employee of the Principal, personally or through family members, shall in connection withthe tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

b. The Principal shall treat all Bidder(s) with equity and reason during the tender process. The Principal shall, in particular, before and during the tender process, provide to all Bidder(s) the same information and shall not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in the tender process or the contract execution.

c. The Principal shall exclude from the process all known persons having conflict of interest.

2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal shall inform the Chief Vigilance Officer and in addition shall initiate disciplinary proceedings.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

1) The Bidder(s)/ Contractor(s) commits themselves to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits themselves to observe the following principles during participation in the tender process and the contract execution.

a. The Bidder(s)/ Contractor(s) shall not, directly or through any other person or firm, offer, promise, or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which they are not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or the execution of the contract.

b. The Bidder(s)/ Contractor(s) shall not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal, in violation of the Competition Act, 2002 (as amended from time to time). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the tender process.

c. The Bidder(s)/ Contractor(s) shall not commit any offence under the relevant IPC/PC Act; further, the Bidder(s)/ Contractor(s) shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals, and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details,as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers," shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines, all the payments made to the Indian agent/representative must be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed on Annex hereto.

e. The Bidder(s)/ Contractor(s) shall, when presenting their bid, disclose any and all payments made, is committed to, or intends to make to agents, brokers, or any other intermediaries in connection with the award of the contract.

f. Bidder(s) /Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision.

2) The Bidder(s)/ Contractor(s) shall not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from the tender process and exclusion from future contracts

If the Bidder(s)/Contractor(s), before award or during execution, has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per laid down procedure to debar the Bidder(s)/Contractor(s) from participating in the future procurement processes of the Government of India.

Section 4 – Compensation for Damages

1) If the Principal has disqualified the Bidder(s) from the tender process before the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.

2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous transgression

1) The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.

2) If the Bidder makes an incorrect statement on this subject, the Principal shall act like para 2) of Section 4 above.

Section 6 – Equal treatment of all Bidders / Contractors / Subcontractors

In the case of Sub-contracting, the Principal Contractor shall take responsibility for adopting the Integrity Pact by the Sub-contractor.

a. The Principal shall enter into agreements with identical conditions as this one with all Bidders and Contractors.

b. The Principal shall disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s)

If the Principal obtains knowledge of the conduct of a Bidder, Contractor, or Subcontractor, or of an employee or a representative or an allied firm of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal shall inform the same to the Chief Vigilance Officer.

Section 8 – Independent External Monitor

1) The Principal shall appoint competent and credible Independent External Monitor(s) for this Pact after approval by the Central Vigilance Commission. The task of the Monitor is to review, independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

2) The Monitor is not subject to instructions by the parties' representatives and performs their functions neutrally and independently. The Monitor would have access to all Contract documents whenever required. It shall be obligatory for them to treat the information and documents of the Bidders/Contractors as confidential. They report to the Management of the Principal.

3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction, all Project documentation of the Principal, including that provided by the Contractor. Upon their request and demonstration of a valid interest, the Contractor shall also grant the Monitor unrestricted and unconditional access to their project documentation. The same applies to Subcontractors.

4) The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information' and 'Absence of Conflict of Interest.' In case of any conflict of interest arising later, the IEM shall inform the Management of the Principal and recuse themselves from that case

5) The Principal shall provide the Monitor with sufficient information about all meetings among the parties related to the Project, provided such meetings could impact the contractual relations between the Principal and the Contractor. The parties offer the Monitor the option to participate in such meetings.
6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, they shall inform the Management of the Principal and request the Management to discontinue or take corrective action or other relevant action. The Monitor can, in this regard, submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action, or tolerate action.

7) The Monitor shall submit a written report to the Management of the Principal, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
8) If the Monitor has reported to the Management of the Principal a substantiated suspicion of an offence under the relevant IPC/ PC Act, and the Management of the Principal has not, within the reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
9) The word **'Monitor'** would include both singular and plural.

Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders, 6 months after the contract has been awarded. Any violation of the same would entail disqualifying the bidders and exclusion from future business dealings. If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged / determined by the Management of the Principal.

Section 10 – Other provisions

1) This agreement is subject to Indian Law. The place of performance and jurisdiction is the place from where the Tender/ Contract is issued.
2) Changes, supplements, and termination notices must be submitted in writing. Side agreements have not been made.
3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties shall strive to come to an agreement according to their original intentions.
5) Issues like Warranty / Guarantee, etc., shall be outside the purview of IEMs.
6) In the event of any contradiction between the Integrity Pact and its Annex, the Clause in the Integrity Pact shall prevail.

(For & On behalf of the Principal) (Office Seal)	(For and on behalf of Bidder/ Contractor (Office Seal)
Place ----------	Date ----------
Witness 1: _____	Witness 1: _____
(Name & Address)	(Name & Address)

Annexure 5

MODEL BANK GUARANTEE FORMAT FOR FURNISHING BID SECURITY (BS)

Whereas ..... (hereinafter called the "tenderer") has submitted their offer dated.....for the supply of..... ..... (hereinafter called the "tender") against the Purchaser's tender enquiry No..... .....KNOW ALL MEN by these presents that WE..... .....of ..... having our registered office at..... .....are bound unto .....(hereinafter called the "Purchaser) in the sum of ....for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this..... day of .....20.....

THE CONDITIONS OF THIS OBLIGATION ARE:

1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
    a) If the tenderer fails to furnish the performance security for the due performance of the contract.
    b) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the purchaser (IISER-TVM) 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 the occurrence of one or both the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the bank not later than the above date.

Signature of the authorized officer of the bank

Name and designation of the officer

Seal, name and address of the Bank and address of the Branch.

Annexure 6

SPECIMEN

PERFORMANCE SECURITY FORM
MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To,

.....

WHEREAS .....
(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no. ..... dated .....to supply (.....description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of ..... (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the ..... day of ....., 20.....

(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, name & address of the Bank and address of the Branch

Annexure 7: SPECIAL CONDITIONS OF TENDER

1.1. ELIGIBLE BIDDERS.

1.1.1 This Invitation for Bids is open to all suppliers.

1.1.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids.

1.2. COST OF BIDDING

1.2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

1.3. FRAUD AND CORRUPTION:

1.3.1 The purchaser requires that the bidders/suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts.

1.3.2 The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;

The Bidding Documents

1.4. COST OF BIDDING DOCUMENTS

1.4.1 Interested eligible bidders may download the document from our Website.

1.5. CONTENT OF BIDDING DOCUMENTS

1.5.1 The goods required, bidding procedures and contract terms are prescribed in the bidding documents which should be read in conjunction.

1.5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. **Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.**

1.6. CLARIFICATION OF BIDDING DOCUMENTS

1.6.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing via fax/email. The Purchaser will respond in writing to any request for clarification, provided that such request is received not later than ten (10) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under clause relating to amendment of Bidding documents and Clause relating to Deadline for Submission of Bids. The clarifications and amendments issued would also be hosted on the website of the purchaser for the benefit of the other prospective bidders.

1.7. AMENDMENT OF BIDDING DOCUMENTS

1.7.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.

1.7.2 All prospective bidders who have received the bidding documents will be notified of the amendment in writing or by e-mail and will be binding on them. The same would also be hosted on the website of the purchaser and all prospective bidders are expected to surf the website before submitting their bids to take cognizance of the amendments.

1.7.3 In order to allow prospective bidders reasonable time to take the amendment into account, while in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the purchaser.

1.7.4 In case of any amendment to the bid, it will be done at least 7 days before due date and will be published in website. Bidders are required to keep this in view before submission. Normally extension of due date will not be entertained. However in special cases if due date is extended, it will be notified under the same tender notice before 3 days of due date.

PREPARATION OF BIDS

1.8. LANGUAGE OF BID

1.8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English language only especially when the details are technical.

However of GOI makes it mandatory under Rajbhasha Abhniyam in that case views of Rajbasha unit of IISER-TVM may be sought.

1.8.2 The Supplier shall bear all costs of translation, if any, to the English language and all risks of the accuracy of such translation, for documents provided by the Supplier.

1.9. DOCUMENTS COMPRISING THE BID

1.9.1 The bid prepared by the Bidder shall include:

a) Bidder Information
b) Bid security declaration as specified in the Invitation to Bids.
c) Service support details
d) Deviation Statement if any.
e) Performance Statement.
f) Manufacturer's Authorization.
g) Documentary evidence establishing that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
h) Bid form.
i) Documents establishing goods eligibility and conformity to bidding documents.
j) Applicable Price Schedule Form.
k) DGS&D Registration certificate in case the items under procurement falls under the restricted category of the current export-import policy of the Govt. of India.

1.10. BID FORM AND PRICE SCHEDULE

1.10.1 The bidder shall complete the Bid with the appropriate price schedule.

1.11. BID PRICES

1.11.1 The Bidder shall indicate on the appropriate price schedule, the unit prices and total bid prices of the goods it proposes to supply under the contract.

1.11.2 Prices indicated on the price-schedule form shall be entered separately in the following manner:

(A) FOR GOODS MANUFACTURED WITHIN INDIA

(i) The price of the goods quoted Ex-works including taxes already paid.

(ii) VAT and other taxes like excise duty etc **[shall be shown extra]** which will be payable on the goods if the contract is awarded.

a. The charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule.

b. The installation, commissioning and training charges including any incidental services, if any.

(B) FOR GOODS MANUFACTURED ABROAD

Bidders are required to show break-up of Ex-works [which should include packing and handling charges], FOB/FCA and CIF/CIP price in the quotation. IISERTVM has a mechanism for consolidation and customs clearance. The consolidators will be nominated for this purpose at the time of awarding the contract if desires so.

(i) The price of the goods, quoted on FCA (named place of delivery abroad) or FOB (named port of shipment), as specified in the price schedule.

(ii) The charges for insurance and transportation of the goods to the port/place of destination.

(iii) The agency commission charges should be shown, if any.

(iv) The installation, commissioning and training charges including any incidental services, if any

1.11.3 **The terms FOB, FCA, CIF, CIP etc shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris.**

1.11.4 Where there is no mention of packing, forwarding, freight, insurance changes, taxes etc. such offer shall be rejected as incomplete.

1.11.5 The price quoted shall remain fixed during the contract period and shall not vary on any account

1.11.6 All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price Schedule shall be assumed to be not included in the bid.

1.11.7 ***Taxws & Duties: At actuals. The purchases made by the purchaser for scientific purpose are exempt from Custom Duty under notification 51/96.***

1.12. BID CURRENCIES

1.12.1 Prices shall be quoted in Indian Rupees for offers received for supply within India and in freely convertible foreign currency in case of offers received for supply from foreign countries.

1.13. DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS

1.13.1 The bidder shall furnish, as part of its bid, documents establishing the bidders' eligibility to bid and its qualification to perform the contract if its bid is accepted.

1.13.2 The documentary evidence of the bidders qualification to perform the contract if the bid is accepted shall establish to the purchasers satisfaction that;

(a) The bidder meets the qualification criteria listed in bidding documents, if any.

(b) Bidder that doesn't manufacture the goods it offers to supply shall submit to Manufacturers' Authorization Form (MAF) to demonstrate that it has been duly authorized by the manufacturer of the goods to quote and/or supply the goods.

(c) In case a bidder not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.

1.13.3 Conditional tenders shall not be accepted

1.14. DOCUMENTS ESTABLISHING GOODS' ELIGIBILITY AND CONFORMITY TO BIDDING DOCUMENTS

1.14.1 To establish the goods' eligibility, the documentary evidence of the goods and services eligibility shall consist of a statement on the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment.

1.14.2 To establish the conformity of the goods and services to the specifications and schedule of requirements of the bidding document, the documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data, and shall consist of:
(a) A detailed description of the essential technical and performance characteristics of the goods;
(b) A list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods during the warranty period following commencement of the use of the goods by the Purchaser in the Priced bid; and
(c) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

1.14.3 For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standards for workmanship, material and equipment, designated by the Purchaser in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute these in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

1.15. BID SECURITY

1.15.1 The Bidder shall furnish, as part of its bid, a bid security (BS) for an amount as specified in the Invitation for Bids. In the case of foreign bidders, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders; the BS shall be submitted by the manufacturer or their specifically authorized dealer/bidder.

1.15.2 The bid security shall be in Indian Rupees for offers received for supply within India and denominated in the currency of the bid or in any freely convertible foreign exchange in the case of offers received for supplies from foreign countries in equivalent Indian Rupees. The bid security shall be in one of the following forms at the bidders' option:
(a) A bank guarantee issued by a Nationalized/Scheduled bank/Foreign Bank operating in India in the form provided in the bidding documents and valid for 45 days beyond the validity of the bid. In case a bidder desires to submit a BG issued from a foreign bank, then the same should be confirmed by a Nationalized/Scheduled Indian bank; or
(b) Fixed Deposit receipt pledged in favour of the IISER-TVM.
(c) A Banker's cheque or demand draft in favour of IISERTVM issued by any Nationalised/Scheduled Indian bank.

1.15.3 The bid security shall be payable promptly upon written demand by the purchaser in case the conditions listed in the ITB clause 15.11 are invoked.

1.15.4 The bid security should be submitted in its original form. Copies shall not be accepted.

1.15.5 While Bid security (EMD) is a requirement, the Director IISER-TVM may grant exemption of Bid security to some specific parties having sound credentials and are of national/international repute.

1.15.6 The bid security of unsuccessful bidder will be discharged /returned as promptly as possible positively within a period of 15 days after the expiration of the period of bid validity or placement of order whichever is later, without any interest.

1.15.7 The successful Bidder's bid security will be discharged upon the Bidder furnishing the performance security, without any interest. Alternatively, the BS could also be adjusted against PS, if it is paid through DD/BC.

1.15.8 **The firms registered with DGS&D, NSIC if any, are exempted from payment of bid security (BS) provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies.**

1.15.9 In case a bidder intimates at the time of tender opening in writing that the bid security is kept inside the financial bid, then in such cases, the technical bid of the party would be accepted provisionally till opening of the financial bids with which the party has attached the bid security.

1.15.10 The bid security may be forfeited:
(a) If a Bidder withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder on the Bid Form; or
(b) **In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 15 days of the order or fails to sign the contract and/or fails to furnish Performance Security within 21 days from the date of contract/ order.**

1.16. PERIOD OF VALIDITY OF BIDS

1.16.1 Bids shall remain valid for minimum of 90 days after the date of bid opening prescribed by the Purchaser. **A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.**

1.16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by cable, telex, fax or e-mail). The bid security provided shall also be suitably extended. 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.

1.16.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

1.17. CONFIDENTIALITY

1.17.1 Information relating to the examination, evaluation, comparison, and post qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.

1.17.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post qualification of the bids or contract award decisions may result in the rejection of its Bid.

1.18. CLARIFICATION OF BIDS

1.18.1 To assist in the examination, evaluation, comparison and post qualification of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. However, no negotiation shall be held except with the lowest bidder, at the discretion of the purchaser. Any clarification submitted by a bidder in respect to its bid which is not in response to a request by the purchaser shall not be considered.

1.19. CONVERSION TO SINGLE CURRENCY

1.19.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to Indian Rupees at the selling exchange rate established by any bank in India on the date of bid opening in the case of single part bidding and the rates prevalent on the date of opening of the Priced bids in the case of two-part bidding. For this purpose, exchange rate notified in www.xe.com or www.rbi.org or any other website could also be used by the purchaser.

1.20. CONTACTING THE PURCHASER

1.20.1 Subject to ITB Clause 1.24, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

1.20.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

1.21. POST QUALIFICATION

1.21.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.

1.21.2 The determination will take into account the eligibility criteria listed in the bidding documents and will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.

1.21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder.
A negative determination will result in rejection of the Bidder's bid.

1.22. PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

1.22.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders.

1.23. WARRANTY

1.23.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

1.23.2 The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.

1.23.3 Unless otherwise specified, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

1.23.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof.
The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

1.29.5 Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

1.23.6 If having been notified, the Supplier fails to remedy the defect within the reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

1.23.7 Goods requiring warranty replacements must be replaced on free of cost basis to the purchaser.

1.23.8 **Performance Guarantee:**
The successful bidder is required to submit a performance Guarantee of 3% of Purchase Order value valid during warranty period, plus two months grace period.

1.24 PENALTY CLAUSE

1.24.1 Subject to GCC Clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage specified in contract of the delivered price of the delayed Goods or unperformed Services or contract value for each week or

part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage specified in contract. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC. Clause on Termination for Default. The SCC shall also indicate the basis for ascertaining the value on which the penalty shall be applicable

1.25 INSURANCE

1.25.1 Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in contract.

1.25.2 Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary and initiate & pursue claims till settlement, on the event of any loss or damage.

1.25.3 Where delivery is on FOB or FCA basis, insurance would be the responsibility of the purchaser.

1.25.4 With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

1.26 TRANSPORTATION

1.26.1 Where the Supplier is required under the Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract price.

1.26.2 Where the Supplier is required under the Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

1.26.3 In the case of supplies from within India, where the Supplier is required under the Contract to transport the Goods to a specified destination in India, defined as the Final Destination, transport to such destination, including insurance and storage, as specified in the Contract, shall be arranged by the Supplier, and the related costs shall be included in the Contract Price.

1.27 PACKING

Should be as per standards prescribed for international trade and movement of the goods.

1.38 **STANDARDS**

The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications and Schedule of Requirements, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

1.39 PERFORMANCE SECURITY

1.39.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish performance security of 3% of Contract/ Purchase Order value in the amount specified in the Contract, valid till 60 days beyond the completion of contractual obligations.

1.39.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

1.39.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries.

1.39.4 In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the manufacturer or their authorized dealer/bidder.

1.39.5 The Performance security shall be in one of the following forms:

(d) A Bank guarantee or stand-by Letter of Credit issued by a Nationalized/Scheduled bank located in India or a bank located abroad in the form provided in the bidding documents. Or,
(e) A Banker's cheque or Account Payee demand draft in favour of the purchaser. Or,
(f) A Fixed Deposit Receipt pledged in favour of the Purchaser.

1.40 DELIVERY SCHEDULE : Delivery schedule should be specified clearly

1.41 PAYMENT TERMS

For Indigenous supplies payment will be made within 30 days from the date of supply, installation & commissioning and on submission of Performance Bank Guarantee for 3% of Purchase Order value which should be valid during warranty period. However the advance payment to the vendors is not encouraged.

Joint Registrar (Purchase & Stores)

Annexure 8

Technical Specification

Bidders must submit a clause-by-clause compliance statement for every clause of the specifications given below. Bidders may quote for Item 1 (Table 1), Item 2 (Table 2) or both.

Technical Specification for Fully Automatic, Microprocessor-Controlled, Horizontal High-Pressure Rectangular Steam Sterilizers (Autoclaves) for the SPF Laboratory Animal house and Common Biology Instrumentation Facility at IISER Thiruvananthapuram, Keralam.

The procurement should include the following steam sterilizers (autoclaves), complete with all standard and necessary accessories, components, utilities, safety features, installation, commissioning, and other items required for the equipment to be fully operational and functional:

Required No. of Steam Sterilisers (Autoclave)= 02

1. **Fully Automatic Compact Double-Door Pass-Through Horizontal High-Pressure Rectangular Steam Sterilizer (Autoclave)**, complete with all necessary accessories and components for a fully functional and operational system (for usage in an Animal House).

2. **Fully Automatic Compact Double-Door Horizontal High-Pressure Rectangular Steam Sterilizer (Autoclave)**, complete with all necessary accessories and components for a fully functional and operational system (for usage in a Decontamination Facility).

3. **Supply, Installation, Testing, Commissioning, and Demonstration (SITC)** of both autoclaves, including all necessary accessories, fittings, connections, control systems, safety devices, documentation, and other ancillary items required for safe, reliable, and complete operation.

Table 1. Specifications for Fully Automatic Compact Double-Door Pass-Through Horizontal High-Pressure Rectangular Steam Sterilizer (Autoclave) for the SPF Laboratory Animal house at IISER Thiruvananthapuram, Keralam.

S. No	Description
1	General Requirements: a) The equipment should be a fully automatic, microprocessor-controlled, horizontal rectangular high-pressure double door steam sterilizer suitable for sterilization of: a. Laboratory animal cages b. Cage tops and wire grills meant for Mice and Rat cages c. Water bottles d. Feed and bedding materials

e. Laboratory glassware
f. Surgical instruments and accessories
g. Liquids in open containers
h. Biological waste and contaminated laboratory materials

b) The sterilizer should be suitable for installation in a, biomedical research laboratory, laboratory animal facility, or biocontainment research environment.
c) Double Jacket system with double door (loading and unloading side)
d) The sterilizer must operate on pre-vacuum and post-vacuum sterilization technology and should be capable of sterilizing biological samples for BSL3 research and animal facility applications.
e) The quoted medical devices/equipment should have a valid Indian standards quality certification (BIS) but not limited to. If there is no Indian standard available, then the

unit should have a quoted model specific valid US FDA/European CE certification.

f) The quoted model Should have the licence issued by Central Drugs Standard Control Organisation (CDSCO) under Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India as per the Medical Devices Regulation act (MDR).
g) All international quality certifications should be verifiable on International Accreditation Forum (IAF).
h) Preferrably the sterilizer model to be offered shall comply with the latest applicable editions of
    i. ISO 17665:2024
    ii. EN 285
    iii. IEC 61010-2-040:2020
    iv. PED 2014/68/EU / ASME Section VIII
    v. ISO 13485:2016
    vi. Model-Specific Validation – For actual offered model
    vii. FAT – Factory Acceptance Test .
    viii. SAT – Site Acceptance Test
i) Manufacturer's should have ISO 9001:2015 and/or ISO 13485:2016 certification, as applicable to the scope of manufacture, together with valid CE Declaration of Conformity under the applicable European Union legislation
j) The sterilizer must conform to the Pressure Equipment Directive 2014/68/EU (PED), as amended and currently applicable.
k) Surface Skin temperature should not exceed 55 °C.
l) The autoclave should be compact in design and should be suitably dimensioned to utilize the available installation space to the maximum extent. Due to the space availability the entire autoclave unit (excluding utilities) should not exceed the following dimensions
    i. 6.5 ft height
    ii. 4.5 ft width
    iii. 7.2 ft Depth

m) The bidder should ensure that the quoted unit and accessories conforms to these dimensional limits and can be suitably installed within the designated space.

n) All units, components, accessories, and associated equipment should be of suitable dimensions to pass through the available doors, corridors, and access pathways without requiring structural modifications or causing any damage to the existing infrastructure during transportation and installation at the designated site.

2 **Chamber Construction and Capacity:**

a) The entire equipment should be made of high-quality SS 316L stainless steel or better.

b) The bidder should provide factory test/validation data demonstrating initial heating time, heat-up time, temperature equilibration, temperature uniformity, pressure-temperature correlation and cycle performance for the offered model.

c) The autoclave should achieve the specified sterilization temperature range of 105°C–134°C, as applicable to the selected cycle, with the minimum possible heat-up time and equilibration time. For at least one full programmable/built-in cycle with a sterilizing temperature ≥134°C autoclave unit must be able to successfully complete the cycle run within 60 minutes.

d) The sterilizer must have a maximum working pressure of ≥40 psi.

e) For loaded cycles, the time to temperature should be load-dependent and should be demonstrated through validated heat-distribution/heat-penetration studies. The sterilization holding time should commence only after the required temperature has been achieved at all critical/validated monitoring locations.

f) The rectangular chamber, jacket, and the doors should be corrosion resistant made of SS316L stainless steel suitable for continuous laboratory operations.

g) Minimum usable chamber dimensions Should be:

Parameter	**Requirement**
Chamber Volume	Minimum 900 ± 50 Litres

h) The chamber should be suitable for high-throughput sterilization of animal husbandry materials and research laboratory loads. Should accommodate a minimum 75 cages in which each cage with minimum floor space of 500 cm^2 (Dimensions- 380mmx200mmX140mm).

i) The internal chamber surface shall have a surface roughness of Ra ≤ 0.6 µm to ensure a smooth, hygienic, corrosion-resistant, readily cleanable surface that minimizes the retention of contaminants and microbial residues and facilitates effective cleaning.

j) Internal chamber corners should be rounded to facilitate cleaning and decontamination.

k) Chamber floor should be sloped toward a drain with stainless-steel mesh for complete drainage.

l) The chamber should be insulated with chloride-free mineral wool or equivalent insulation material to ensure thermal efficiency and temperature uniformity.

	m) The chamber should be mounted on a stainless-steel support framework with stainless-steel external paneling. n) The supplier should provide onsite stainless steel paneling to the sterilizers on both the sides. The extra space between the unit and wall should be filled with appropriate material to ensure complete air tightness between clean and dirty areas on either side of the autoclaves. o) Should have moveable door gaskets both loading and unloading sides made up of high-quality, steam-resistant silicone elastomer suitable for repeated high-temperature steam sterilization. The gasket material should be FDA-compliant for repeated-use applications in accordance with 21 CFR 177.2600, and should be resistant to heat, moisture, steam, ageing, and repeated autoclave cycles.
3	**Door System:** a) The sterilizer should be supplied with a fully automatic vertically sliding door system. b) Double-door pass-through configuration is preferred for separation of clean and dirty areas. c) Doors should be pneumatically operated with automatic locking mechanisms. d) The control system should prevent opening of doors while the chamber is pressurized. e) The sterilization cycle should not start unless the doors are fully locked. f) Interlocks should prevent simultaneous opening of both doors. g) Mechanical safety edges and electronic safety systems should be provided to prevent operator injury during door movement. Equipped with door safety bar and door safety clutch to avoid damage or injury. h) Door sealing should be achieved through durable steam/air activated silicone gaskets.
4	**Sterilization Performance:** a) Operating sterilization temperature range should be 105°C–135°C or wider. b) Sterilization holding time should begin only after the entire load has reached the required temperature, and should comply with the ISO 17665:2024. c) The sterilizer should provide validated and user-programmable cycles for: ● Mice and Rat cages ● Cage accessories ● Feed ● Bedding ● Glassware ● Wrapped instruments ● Rubber goods ● Liquids ● Biological waste ● Leak testing ● Bowie-Dick testing ● Vacuum leak testing

	● Delicate laboratory materials d) Multiple factory-programmed and user-configurable sterilization recipes should be available. e) The sterilizer should include programmable F_0 value control and monitoring. f) Chamber temperature distribution should be uniform throughout the sterilization process.
5	**Steam Generation and Heating System:** a) The sterilizer should be supplied with an integrated steam generator and/or be compatible with central steam supply. b) The steam generator should be fabricated from SS 316 stainless steel. c) Steam supplied to the chamber should be saturated, condensation-free, and suitable for sterilization applications. d) Independent steam supply lines should be provided for chamber and jacket heating. e) The system should include: ● Automatic feed-water control ● Degassing system ● Thermostat ● Pressure safety valve ● Water level monitoring system f) Steam-contact components should be constructed from corrosion-resistant materials. g) The supplier should provide, install, test and commission a 250 LPH Reverse Osmosis (RO) water purification system, suitable pump, 5,000-litre storage tank, and all necessary accessories and piping for supplying RO water to the sterilizer/autoclave units. h) The RO water pipeline should be extended from the storage system to the sterilizer units. The approximate pipeline length is 80 metres and should be considered provisionally for quotation purposes. The final quantity/length of piping Should be measured and executed as per actual site requirements. i) The supplier should provide all required pipe fittings, valves, connectors, supports, clamps, insulation/protection and other accessories necessary for a complete and functional installation. j) The quoted price should include supply, installation, testing and commissioning, including all necessary materials, labour, transportation and accessories required for a complete installation. k) The Boiler should be secured with a tested safety valves. l) Digital manometer to be provided for indication of steam generator pressure. m) Automatic regulation of water level in the supply water tank.

	n) Safety system to be provided in case of over pressure, controlled by microprocessor, automatic switch off in case of low water levels, circuit breakers for heating elements. o) Should be provided with F0 Control of sterilization program.
6	**Vacuum and Drying System:** a) The sterilizer should incorporate a liquid-ring vacuum pump. b) The vacuum system should support: ● Pre-vacuum air removal ● Post-vacuum drying ● Leak testing c) The vacuum system should include: ● Condenser protection ● Water recirculation arrangement ● Vibration isolation d) The vacuum pump should be adequately sized for complete air removal from animal facility loads. e) Closed pipe for separate collection of waste water and should condensate from the system. f) Sound from the running vacuum pump should be less than 80db at a distance of 1 meter in a closed area, and should be verified at the site during the time of installation.
7	**Cooling System:** a) Jacket cooling arrangement should be provided. b) The cooling system should support liquid sterilization cycles. c) Controlled cooling should prevent thermal shock and protect sterilized materials. d) The valves controlled thermostatically PT-100 sensor integrated in the drain to be provided. e) The temperature of drained water should be adjustable in a range approximately 40°C to 80°C.
8	**Instrumentation and Monitoring systems:** The sterilizer must include: a) Chamber temperature sensors (minimum two). b) Chamber pressure sensors (minimum two). c) Drain temperature sensor. d) Jacket pressure and temperature monitor. e) Load temperature monitoring probe. f) Validation port for external thermocouples.

	g) The autoclave should be provided with calibrated pressure and vacuum gauges/indicators with clear digital/analog display for deviation from programmed pressure/vacuum set points. h) PT-100 Class A temperature sensors. i) Emergency stop buttons accessible from operator and service sides.
9	**Control System and HMI:** a) PLC-based microprocessor control system. b) Colour touchscreen HMI of minimum 7 inches or higher preferred at the loading side and minimum 5 inches preferred at the unloading side. HMI touchscreen must be in-built within the main unit. c) The control system should provide: ● Real-time graphical display ● Cycle monitoring ● Alarm history ● Event logging ● Audit trail ● Data storage and retrieval d) Multi-level password protection Should be available with separate access levels for Operator, Supervisor, and Administrator. e) CPU with battery backup and non-volatile memory should be provided. f) The control system should support remote access and diagnostics.
10	**Data Management and Connectivity:** a) Provided with RS232 Port or RJ45 Ethernet port b) Compliant with 21 CFR Part 11 c) Ethernet communication interface. d) USB data export facility. e) Network printing capability and the bidder Should supply a compatible printer connected to the equipment. f) Electronic batch reporting in PDF format. g) Alarm notification capability. h) Facility Management System (FMS/BMS) compatibility. i) Support for validation, qualification, audit trail, and data integrity requirements j) Fault report with indication of positions of components at the time of failure to be provided for remote diagnostics. k) Should be equipped with a complete auto-diagnostic system.
11	**Air Filtration and Biocontainment Features** a) Incoming air filtration efficiency should be ≥99.99% for particles <0.3 µm. b) Exhaust air should be HEPA filtered. c) Suitable for future integration with biocontainment applications.

	d) The bidder should provide details of the proposed filtration system, including filter type, filtration efficiency, test standard, pressure drop, temperature rating, filter housing specifications, integrity-testing provisions, replacement procedure and manufacturer's certification. e) The offered system should comply with applicable international standards and should be suitable for the intended sterilization and containment application.
12	**Safety Features:** The sterilizer should include: a) Updated ASME/PED compliant pressure protection systems. b) Safety relief valves. c) Door safety interlocks. d) Vacuum pump protection. e) Over-temperature protection. f) Over-pressure protection. g) Low-water protection. h) Audible and visual alarms. i) Remote alarm provision. j) Safe-cycle interruption and recovery functions. k) Chamber pressure monitoring through HMI. l) All the sensors should be PT 100 sensors to confirm class A of the IEC 571 standard.
13	**Loading and Unloading System:** a) The sterilizer should be supplied as a complete loading and unloading system. b) The system should include: ● One stainless-steel loading trolley. ● One stainless-steel unloading trolley. ● One stainless-steel chamber carriage/rack system. ● Chamber guide rails and docking arrangement. c) Trolleys should be constructed from SS 304 or higher grade stainless steel. d) Trolleys should be capable of carrying the full sterilizer load. e) Heavy-duty lockable castor wheels should be provided. f) The loading/unloading system should facilitate ergonomic handling of cages, feed, bedding, water bottles, and laboratory materials. g) Internal chamber rails should be provided for smooth transfer of loads. h) The trolley system should be suitable for routine use in laboratory animal facilities.
14	**Utility Requirements:**

The utility requirements should be taken care by the supplier using the available resources:

a. **Electrical Supply**

- The sterilizer must be able to operate on a 415 VAC 3L+N+PE electric supply.
- One suitable 3-phase electrical power outlet with suitable rated circuit breaker in enclosure will be provided at the designated point by IISER Thiruvananthapuram.
- The entire electrical installation should be carried out in accordance with the relevant Indian standards and applicable statutory requirements, including ID 732, IS3043, and other applicable standards, as amended from time to time.
- All further electrical cabling, wiring, control connections, panels, protection devices, terminations, and commissioning activities required for the sterilizer should be under the scope of the supplier.

b. **Compressed Air Supply**

- The supplier should provide and install all components necessary for compressed air requirements of the sterilizer system.

c. **Water Supply**

- The sterilizer should be compatible with potable water and/or RO water supply available at the installation site.
- All interconnecting pipelines, valves, fittings, filters, and accessories required for operation Should be supplied and installed by the vendor.

d. **Cooling Water Supply**

- The supplier should provide all necessary arrangements, piping, fittings, and accessories required for cooling water connection and operation of the sterilizer.

e. **Steam Supply**

- The offered sterilizer should be supplied with an integrated steam generator and should be specified by the manufacturer.
- All accessories and connections required for steam generation/distribution should be included in the supplier's scope.

f. **Air Compressor**

- The supplier should provide a suitably sized industrial-grade air compressor, along with all associated accessories, receivers, dryers, filters, piping, regulators, and safety devices required for the operation of the sterilizer.
- The compressor should be compatible with the offered model.
- All civil interface requirements, piping, electrical connections, insulation, and commissioning activities associated with the vacuum system should be under the scope of the supplier.

	• The air compressor should carry a minimum warranty of three (5) years. • The bidder should also provide a separate quotation for an additional three (3) years of Annual Maintenance Contract (AMC) after completion of the warranty period. • The installation of the air compressor should be outside the facility and the supplier should provide and install the same on a suitable levelled cement platform with a protective enclosure and should include the cost for cabling, piping and necessary accessories in the quote based on site visit. The distance between the aircompressor to the autoclave unit will be approximately 50 metres. g. **Earthing** • Complete equipment earthing, including provision of all required materials, connections, testing, and certification, should be under the scope of the supplier. h. **Vacuum System** • The sterilizer should be equipped with an inbuilt liquid-ring (water-ring) high-vacuum pump of adequate capacity for effective air removal from the chamber during pre-vacuum sterilization cycles and for post-sterilization drying operations. • The vacuum pump should be supplied as an integral part of the system and covered under the standard warranty of 5 years. • All civil interface requirements, piping, electrical connections, insulation, and commissioning activities associated with the vacuum system should be under the scope of the supplier. i. **Turnkey Installation** • The sterilizer should be supplied, installed, tested, validated, and commissioned on a turnkey basis. • Any additional components, consumables, accessories, fixtures, supports, or utilities required for satisfactory operation of the equipment, whether specifically mentioned in the tender or not, should be deemed to be included in the supplier's scope of supply.
15	**Documentation, Validation and Training:** The supplier Should provide: a) User Manual. b) Service Manual. c) Electrical drawings. d) Wiring diagrams. e) Real time data recording. f) Pneumatic diagrams. g) P&ID drawings. h) Calibration certificates. i) FAT documents.

	j) IQ/OQ documentation. k) Pressure vessel certificates. l) Material certificates. m) Bowie-Dick/Hollow Load Test certification. n) Installation and operational training for users at site.
16	**Warranty and Service Support:** a) The vendor should provide at least 5 years of warranty for complete system including all quoted utilities and should quote for additional 3 years of post-warranty AMC separately. b) Availability of trained service engineers and spare parts support in South India. c) Suppliers should quote optional rates for post-warranty AMC/CMC support. AMC rate should be clearly mentioned in the quote d) Installation, commissioning, validation support Should be included in the quoted price. e) Training of users to be done free of cost at the site. f) All accessories required for operation and routine maintenance Should be supplied along with the equipment. g) The vendor should have a service provider in south India, preferably in Keralam with their own trained service set up, engineers to ensure service backup, in-time quality services, instant availability of spares. Supporting documentation of the service provider in South India and/or Keralam should be provided. h) Installation and commissioning at IISER Thiruvananthapuram, Vithura campus should be done by the vendor.
17	Should mention or provide the applicable international standard certifications for quality, safety and environmental impact for this machine.
18	Bid should include all the required accessories required for the machine to maximize the autoclave load like loading racks (dedicated/universal for mice cages, lids, water bottles etc.), and other accessories as applicable.
19	Should provide one transport trolley for loading and unloading the cart. Front wheels lockable in direction of motion, rear wheels completely lockable by applying the brakes. Safety lock system to be provided for connecting and disconnecting the loading cart with the transport trolley. Cart, cart wheels and brakes should be made up of stainless steel AISI 304 or higher grade. Wheels of transport trolleys should be soft running rubber that can move on epoxy floors without damaging the floor.
20	Should indicate the year in which the offered model was introduced in the market and confirm whether the spares and consumables for the machine would be available for a minimum period of next 10 years with the supporting documents.
21	Detailed literatures with technical specifications and features for the machine and all the related accessories to be enclosed with the offer.
22	Prospective bidders must visit the site and offer suitable bids in the required format along with literatures.

23	Should ensure that the specifications mentioned in the offers must cover all the parameters listed in our enquiry and should attach the supporting documents. Unspecified parameter will be treated as non-compliant.
24	Installation testing, checking of specifications and the validation should be done at the specified area.
25	Pre-installation and utility requirements for installation and running the system should be clearly mentioned.
26	Availability of local service support at IISER Thiruvananthapuram, Keralam and response time for a service call during and after the warranty to be specified.
27	List of users in India for the offered Model as the one(s) offered along with the names, addresses, telephone numbers and mail ID's to be enclosed separately. The offered model should have a proven installation base in India with **a minimum of three (03) successful installations** in reputed Government Research Institutes, Universities, Medical Colleges, Hospitals, National Laboratories, or other similar organizations.
28	The supplier should provide **at least three (03) satisfactory performance certificates** from end users for the exact make and model offered. The performance certificates should preferably be issued within the **last five (05) years** and should confirm satisfactory operation and after-sales support of the equipment.
29	IISER Thiruvananthapuram reserves the right to verify the submitted references and performance certificates directly with the end users. Non-submission or unsatisfactory verification may lead to rejection of the bid.
30	Technical presentation and Demo on the systems offered is to be made on request from the Institute. In case any of the invited parties fail to demonstrate their compliance as per the specifications, the party will be treated as disqualified.
31	Compliance Sheet for all the technical specifications should be attached and wherever relevant, appropriate section or page number of the brochures should be cited.

Table 2. Specifications for Fully Automatic Compact Double-Door Horizontal High-Pressure Rectangular Steam Sterilizer (Autoclave), for the decontamination facility at School of Biology, IISER Thiruvananthapuram, Keralam.

S. No.	Description
1	**General** a) The instrument must be a fully automatic, rectangular, horizontal, floor-mounted PLC-controlled steam sterilizer with double doors opening on either side. b) The sterilizer should be available as a single consolidated machine (henceforth referred to in this table as "autoclave unit"). c) The overall dimensions of the autoclave unit should not exceed the following: Width: 5 feet Depth: 6.5 feet Height: 6.5 feet

	(This is a key requirement given the space constraints at the installation site.)
2	**Double doors** The autoclave unit must have a fully automatic sliding door system with the following door safety features: a) A pneumatic safety pressure switch is required for preventing opening of the doors until pressure in the chamber reaches room pressure. b) There must be locking facility such that it must not be possible to open the doors when the chamber is at high pressure. c) There must be a mechanism to prevent door opening until the temperature falls below a safe (specified) threshold. d) Steam must not be allowed into chamber when door is opened. e) The equipment run cycle must not start if the door is opened or not locked properly. f) Double door safety must be ensured through interlocks such that it must not be possible to open both doors simultaneously. g) There must be a sensor or an equivalent component to sense any object detected in front of the closing door. h) The doors must be made of high-quality stainless steel (316L or higher). i) The doors must have a sealing device to ensure the integrity of sealing even after coming in contact with hot air or steam.
3	**Autoclaving chamber** The autoclaving chamber must have the following features: a) The autoclaving chamber must have a minimum usable capacity of 700 ± 50 litres and must be able to process a minimum of 10 STU per cycle. b) The chamber wall must be made of high quality stainless steel (316L or higher). c) The internal corners of the chamber must be rounded off to facilitate efficient cleaning. d) The chamber must have a mirror finish on both its external and internal surfaces. e) The internal chamber surface must have a surface roughness of Ra $\leq$ 0.6 µm to ensure a smooth, hygienic, corrosion-resistant, readily cleanable surface that minimizes the retention of contaminants and microbial residues and facilitates effective cleaning. f) The chamber must be sloped towards an internal drain with a filter to facilitate debris-free drainage. g) The chamber must be properly insulated from the outside environment to ensure internal temperature uniformity and to minimize the heating of the outside jacket. h) Temperature and Pressure monitoring system should be available in the chamber to monitor the chamber temperature and pressure before the opening of the door. i) The chamber must be completely depressurized before the door seal is retracted by vacuum.
4	**Sensors** a) The autoclaving unit must have at least 2 temperature sensors and 2 pressure sensors. b) The pressure sensor must have the accuracy 1% over the range of 0-6 bar.

	c) All the temperature sensors must conform to the PT100 class A of the IEC standards for temperature sensors. d) The autoclaving unit must be able to detect out of calibration of sensors.
5	**Alarms** a) The autoclaving unit must have comprehensive alarm/alert systems, which automatically trigger pre-programmed information alerts (preventive maintenance schedule etc.). b) A separate input power supply for the power and control functions is preferable. c) Both audible and visual alarms must be provided. d) In the event of any deviation in the type of tested cycle, the control system must register an alarm. The range of alarms must include: • Chamber High Pressure • Low Water Level in generator • Generator High Pressure • Chamber Temperature sensor error • Generator high temperature • Water Pump operation time out
6	**Temperature and Pressure Limits** a) The sterilizer must have maximum operational temperature of ≥134°C. b) The sterilizer must have a maximum working pressure of ≥40 psi.
7	**Steam generator** The sterilizer must have an inbuilt electric Steam Generator with the following specifications: a) The steam generator must be made of high quality stainless steel (316L or higher). b) The steam generator must be able to generate ≥97% saturated, condensation-free steam adequate to complete the sterilization cycle. c) The heating element should have a minimum capacity of 35 KW (particularly important for fast decontamination cycles). d) The steam generator must have a built-in thermostat, pressure safety valve, and water-level gauge. e) There must be a provision for preventing motor overloads due to missing supply water. f) There must be a mechanism to prevent the heater from working without water in the steam generator.
8	**Jacket** The jacket must have the following features: a) The jacket must be made of high-quality stainless steel (316L or higher). b) The sterilizer must have appropriate insulation made either of glass wool or of melamine foam pads. The insulation must be covered with an aluminium sheath. c) There must be a device designed to protect against over-pressure of the jacket.
9	**Heating system** a) The heating system must have an automatic valve and degassing system for feeding water to the steam generator.

10	**Operation management** b) The sterilizer must have digital display(s) comprising at the very least of one colour touch-screen (diagonal ≥ 6"). c) The instrument must be equipped with an alpha-numeric (or equivalent) printer for data logging. d) The instrument must be equipped with an RS232 or RJ45 Ethernet port. e) The Sterilizer should be equipped with Microprocessor PLC control system f) which is dedicated to control the sterilizer including Digital Input Output for Sterilizer control, Analogue measuring Inputs COM ports for printer & PC communications.
11	**Cycles** For at least one full programmable/built-in cycle with a sterilizing temperature ≥ 134°C, the autoclaving unit must be able to successfully complete the cycle run within 60 minutes. The sterilizer must have automated program cycles for different modes of operation, including, but not restricted to: a) Wrapped Instruments, Porous load 134°C. b) Heat Sensitive material, rubber, plastic, porous load 121°C. c) Wrapped Goods, Textile load 134°C. d) Bowie & Dick test. e) Automatic leak rate test. f) Prion cycle g) Programmable automatic cycles
12	**Filter** a) A suitable filter must be provided for filtering the atmospheric air before entering in the chamber. The filter separation efficiency should be ≥99.99% for particle size less than 0.3 µm (HEPA or equivalent filter).
13	**Safety and manufacturing standards** a) The sterilizer must conform to either ASME Section VIII Div-1 certification or Pressure Equipment Directives 2014/68/EU. b) The sterilizer must conform to either the UNI EN 285:2016 standard or (equivalently) IS 3829 standard for Steam Sterilizers. c) The Manufacturer must be an ISO Certified company with strict quality control measures conforming to National and International Standards.
14	**F0 control** a) The equipment must be equipped with programmable F0 control.
15	**Piping** a) The piping system must be made of high quality stainless steel (316 or 316L or higher). All the process valves must be made of high quality stainless steel (316 or 316L or higher); these valves should be pneumatically operated and control the condensate and steam flow in and out of the chamber, operate the vacuum, and the air inlet valve longer trouble free operations.
16	**Vacuum pump**

	a) The sterilizer must be equipped a high capacity efficient water ring type vacuum pump. The pump must support silent operation. It must be connected to condensers to assist air removal. It must also have low water level alarm to protect it from dry run.
17	**Test certificates** The bidder must provide valid certificates for the following tests: a) The Bowie-Dick test b) Hollow load test c) Leak rate test
18	**Power requirement** a) The sterilizer must be able to operate on a 415 VAC 3L+N+PE electric supply. b) All the electrical components including terminals & contactors must be housed in a casing that is insulation-grade and waterproof. c) Electric supply should be relay operated and can be used for command of the vacuum pump and the water pump. d) The sterilizer must have circuit breakers for protection of all power circuits. e) The sterilizer must have an overload switch for the protection of the device from high overload currents. f) The bidder will be responsible installing all the electrical connections and making them compatible with the existing electrical supply at the installation site.
19	**Warranty** a) The instrument must have at least 5 years of warranty and an additional 3 years of Annual Maintenance Contract (AMC) must be included in the bid separately.
20	**Other requirements** a) All the accessories required for all the operations mentioned above must be included in the quotation. b) The quoted medical devices/equipment should have a valid Indian standards quality certification (BIS). If there is no Indian standard available, then the medical devices /equipment should have a quoted model specific valid US FDA/ European CE certification. c) The quoted model Should have the licence issued by Central Drugs Standard Control Organisation (CDSCO) under Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India as per the Medical Devices Regulation act (MDR). d) All international quality certifications should be verifiable on International Accreditation Forum (IAF). e) The factory acceptance test should be performed and submitted before despatching equipment including the stainless-steel grade. f) All civil and electrical works required for the installation work including site preparatory work if any Should be included in the scope of the bidder as turnkey work. g) The equipment should be delivered with a detailed Service and Operating Manual, sufficient wiring and electric supplies, pneumatic diagrams and P&I diagrams.

	h) The bidder must attach a detailed brochure for the equipment. i) The bidder should provide a detailed list of the same equipment model made in the last five years in Institutes of National Importance and other Government Institutes/ Universities/ Research Centres/ HEIs. The bidder should provide certificates for the same. j) Upon delivery, the vendor must provide free-of-cost hands-on training to the end users at the installation site. k) The bidder must have a service provider with the relevant trained service setup, engineers to ensure service backup, and prompt availability of spares in Kerala. The bidder should provide documented proof for the same.
21	**Reverse Osmosis System** A fully automatic Reverse Osmosis (RO) system compatible with the input requirements must be supplied (tank capacity:1000 litre; output rate: 100 litre per hour).
22	**Trolleys** Suitable internal and external trolley must be supplied along with the autoclaving unit. The trolley dimensions must be compatible with the opening and closing mechanism of the doors of the autoclaving unit.
23	**Compliance document** A document tabulating compliance with all of the above points must be submitted by the bidder. This must also be supported by documentary proof.

Joint Registrar (P&S)

Annexure 9

(ON COMPANY LETTER HEAD)

Declaration of Local Content

(In case the procurement value is less than or equal to Rs. 10 Crores declaration to be given in Bidder's/Company's letter head and if more than Rs. 10 Crores declaration to be issued from the statutory auditor or cost auditor of the company (in case of companies from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies)

To,
The Director,
Indian Institute of Science Education and Research Thiruvananthapuram,
Maruthamala P.O., Vithura, Thiruvananthapuram, Kerala, India – 695551

Subject: Declaration of local content and compliance of Public Procurement (Preference to Make in India) Order 2017 and its amendments regarding.

Sl No	Name of the goods/service/works	Category of the supplier (Class I / II / III)	Local Content (%)	Location at which value addition is made	Country of Origin	Comply to the above referred rule (Yes / No)
1						
2						
3						

- *"Local Content" means the amount of value added in India which shall, be the total value of the item being offered (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.*
- *False declarations will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions permissible under law.*

Date:

Place: **Signature with Date and Stamp of the Bidder**

Annexure 10

CERTIFICATE BY THE BIDDER (FOR TENDERS)
(ON COMPANY LETTER HEAD)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that this bidder is not from such a company or, / if from such a country, has been registered with the Competent Authority (copy of the Registration Certificate enclosed). I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered.

Date:

Place: **Signature with Date and Stamp of the Bidder**

Annexure 11
CERTIFICATE
(ON COMPANY LETTER HEAD)

I hereby certify that we M/s _____

_____

_____ (name and address of the firm) is neither blacklisted by any Central/ State Government / Public Undertaking/ Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in every aspect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Place: **Signature with Date and Stamp of the Bidder**

Annexure 12

CHECK LIST OF DOCUMENT REQUIRED

SL	List of documents required	Yes / No
1.	Tender Acceptance Letter as per Annexure 3	
2.	EMD Details/ MSME Certificate	
3.	Brochure/ Catalogue/ Datasheet	
4.	Clause-by-clause technical compliance statement	
5.	BoQ	
6.	Statutory Registration Certificates	
7.	Previous purchase orders (if any)	
8.	Tender document duly signed on all pages along with bidders seal.	
9.	Self-certification regarding local content as per Annexure 9	
10.	Declaration of border sharing as per Annexure 10	
11.	Declaration for non-blacklisted firm as per Annexure 11	
12.	Other documents pertaining to technical aspects	
13.	Any other document as provided in technical specifications	
14.	List of users / installations in India and performance certificates (Annexure 8)	
15.	BIS / US FDA / CE certificates and CDSCO license for the quoted model (Annexure 8)	