

राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान
National Institute of Animal Biotechnology

Corrigendum -- Changes in NIT

Please refer NIAB Tender Details as follows.

Tender ID : 2021_DBTEC_626366_1

Tender Reference Number : NIAB/SP/2021-22/01

Tender Title : Supply, installation, testing and commissioning of Clean Room vaccine testing facility at NIAB Hyderabad as per NIT & (further amendments if any)

The following changes may please be noted before submission of bids with respect to the tender details mentioned above.

The BOQ , the process of award of contract/ evaluation & certain formats, payment term etc has been revised and bid must be submitted accordingly. Bidders are informed to read all new revised NIT and submit the BID as per all revised formats & Changes after Pre Bid Meeting/queries received. please check this Revised NIT for participating in this NIT.

The revised NIT incorporating these changes uploaded as corrigendum on CPPP & NIAB web site.

In case of any doubt please contact on spm@niab.org.in or other details as per NIT.

Sd--

Manager (S&P)
NIAB-Hyderabad
Date:- 24/04/2021

The revised NIT is mentioned below for participation on CPPP.



राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान
National Institute of Animal Biotechnology



An Autonomous Institute of the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India

STORES AND PURCHASE SECTION

E-mail spm@niab.org.in
Telephone +91 040- 23120 -110
Telefax +91 040 – 23120- 130
Website www.niab.org.in



Address :- Survey No 37/4, Gopanpally Village ,
Gowalidoodi Area , Serilingampalli Mandal beside
Yellamma Temple , Near petrol Pump , RR District,
Hyderabad 500032.

NOTICE INVITING TENDER (TWO BID SYSTEM)

E-PROCUREMENT UNDER CENTRAL PUBLIC PROCUREMENT PORTAL

On behalf of the Director, NIAB - Hyderabad, India, **online bids** through www.eprocure.gov.in are invited under **TWO Bid System** from reputed manufacturers or their authorized agents for the supply / installation/ commissioning of the following item(s) / Provide the Service /Work mentioned in Chapter-1 in this tender notice.

KINDLY NOTE THAT ONLY ONLINE BIDS WILL BE CONSIDERED AGAINST THIS TENDER.
MANUAL SUBMISSION OF BIDS WILL NOT BE ACCEPTED.

Website for Online Bid Submission: <https://eprocure.gov.in>.

E-Tendering Procedure: The procurement shall be carried out through submission of online tenders only. No offer in physical form will be accepted and any such offer if received by NIAB will be rejected. Tender documents can be downloaded from our website www.niab.org.in or website of CPPP www.eprocure.gov.in. The bidders will be required to submit their bids online on the e-Procurement module using website www.eprocure.gov.in. Only.

The bidders can enrol themselves on the website <http://eprocure.gov.in> using the option “Click here to Enroll”. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the Company's name is a prerequisite for registration and participating in the bid submission activities through this web site. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <http://eprocure.gov.in> under the link “Information about DSC”. The web site also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for ready reference.

Please visit website: - <http://eprocure.gov.in/eprocure/app> and click following section for complete information about E -Procurement process.

- **[Help For Contractor/Bidders](#)**
- **[Information About DSC](#)**
- **[FAQ](#)**
- **[Bidders Manual Kit](#)**

The helpdesk numbers for any technical queries related to operation of the Central Public Procurement Portal

For any technical related queries please call at 24 x 7 Help Desk Number 0120-4200 462 , 0120-4001 002 , 0120-4001 005 , 0120-6277 787 International Bidders are requested to prefix +91 as country code

E- Mail Support: support-eproc@nic.in , cppp-nic@nic.in , **Please visit website: - <http://eprocure.gov.in/eprocure/app>**

Any queries relating to the NIT document and the terms and conditions contained therein should be addressed to the Manager (Store& Purchase) of NIAB on the contact details mention on the top of this page.

CONTENTS OF BIDDING DOCUMENT/NIT

CHAPTER NO	PARTICULAR
1	NIT/DETAILS OF REQUIRMENTS /EMD/TENDER FEES/IMPORTANT DATES
2	INFORMATION FOR BIDDERS (PART-1)
3	INFORMATION FOR BIDDERS (PART-2)
4	GENERAL CONDITIONS OF CONTRACT
5	REQUIRED DOCUMENTS/FORMAT WITH BID (TO BE UPLOADED ONLINE) (format to keep ready before online submission of bids ,(Tenderers are required to print this on their company's letter head and sign, stamp ,scan , keep pdf file ready before starting of online tender submission)
6	TECHNICAL BID COMPLIANCE FORM SPECIFICATION, OTHER REQUIREMENTS OF THIS NIT

IMPORTANT NOTE: - PLEASE READ CHAPTER 5 CAREFULLY AND KEEP SCANNED FORMAT DOCUMENTS READY BEFORE SUBMISSION OF THE BID.

Main Process flow to help you in submission of tender. -

- Take DD ,Write Tender No , Name of Firm , Contact No on backside of DD. Send the DD to NIAB- Hyderabad Address as per due date. SCAN IT IN PDF FORMAT AND UPLOAD ON CPPP before sending it to NIAB. In case of wire transfer, please upload the transaction details of wire transfer on CPPP portal & also send transaction details by E-mail on spm@niab.org.in --- for ready information.
- Read Chapter No 5 & 6 carefully & Keep required documents ready, scan it as per file format to be uploaded in Cover -1.

Few of the conditions/ forms in this document may not be applicable for Service/Work requirement as per this tender. Write “NA” in any of the form wherever it is suitable/applicable as per bid submitting firm considering the requirement in tender.

CHAPTER-1

NIT/DETAILS OF REQUIREMENTS /EMD/TENDER FEES/IMPORTANT DATES

S N	Name of item	Qty.	NIT NO	Bid Type
1	Supply, installation, testing and commissioning of Clean Room vaccine testing facility at NIAB Hyderabad as per NIT & (further amendments if any) (Detailed Specifications in Chapter 6)	As Per Specifications	NIAB/SP/2021-22/01	<u>TWO</u> <u>BID</u> <u>ONLINE</u>

TENDER EMD (REFUNDABLE)	Rs NIL /-	Tenders without TENDER PROCESSING FEES / EMD (if applicable) will be rejected.
<u>TENDER PROCESSING CHARGES</u> (THIS FEES IS NOT EXEMPTED TO ANY FIRM & NON REFUNDABLE). (This is not tender fees/cost of NIT document as tender is issued free of cost, can be downloaded on CPPP / NIAB website or will be E mailed if asked from NIAB. All the firms want to participate this tender must submit this charges failing which your Bid will be rejected)	Rs 1500 /- (No exemption to any) <u>All the firms want to participate in this tender must submit Rs 1500 as processing charges failing which your Bid will be rejected. Only EMD exemption is allowed as per chapter 4 -page no 8 of this NIT. For MSE/NSIC registered firms please read page no 8 of this NIT before claiming exemption (if any) for EMD only. Non Compliance/False information will result in rejection of Bid / Ban on Firm for future Tenders.(Rs 1500 /- No exemption to any firm, mandatory to submit the DD for all the firms)</u>	
MODE OF PAYMENT OF EMD/FEES <u>(SCANNED COPY OF TENDER FEE AND EARNEST MONEY IS TO BE UPLOADED ONLINE AT THE TIME OF SUBMISSION OF BID)</u> <u>(IN CASE OF ANY PROBLEM IN GETTING THE DD DUE TO COVID LOCKDOWN, AMOUNT CAN BE TRANSFERRED AS PER DETAILS GIVEN)</u>	Demand Draft of any nationalized/commercial bank. Please mention firm name & contact no, tender ref no backside of demand draft. and Original DD must be sent to the NIAB HYDERABAD on or before Bid Submission Date & Time as mentioned in Critical Date Sheet. In case of any issue in getting the DD due to Covid Lockdown, amount can be transferred to the following bank account before the NIT due date of opening : Account Holder Name : National Institute of Animal Biotechnology Bank Name: Punjab National Bank , Branch Name: Vinayak Nagar, Gachibowli Bank Account Number: 4987000100008276 MICR Code: 500024030 IFSC Code: PUNB0498700 After payment, please upload the transaction details of wire transfer / bank statement on CPPP portal. Please send the transaction details by E-mail also to NIAB- spm@niab.org.in --- for ready information.	
DD IN FAVOUR OF	<u>National Institute of Animal Biotechnology</u> payable at Hyderabad.	
DD TO BE SUBMITTED TO	Manager (Stores & Purchase) National Institute of Animal Biotechnology (NIAB), Opp. Journalist Colony, Near Gowlidoddy, Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32	
The original EMD amount and Tender Fee in the form of Demand Draft towards cost of bid documents/processing shall be submitted to Manager (Store & Purchase) , NIAB by hand delivery/courier on or before the due date for submission of bids failing which the bid will be rejected. The reference no. of the Tender and super scribing the word “EMD and Tender Fee” should be specifically mentioned on the top of the envelope. Any catalogue /broacher /technical literature which is difficult to scan, except bid document is also permitted along with EMD. This document will be used only as extra supportive for information purpose and not mandatory for submission.		
PRE-BID MEETING (IF ANY)	20-04-2021 (at NIAB LGF S&P Section at 2.30 pm NIAB Address mentioned in Page 1 of this document). (Contact information given at the end of this document for queries (if any) about tender	
The objective of Pre-Bid Meeting is to provide a platform for clarifying issues and clearing doubts, if any, about the specification and other allied technical / commercial details of the bid document. This is also an opportunity to question the bidding conditions and the bidding process. Bids should be submitted only after the PBM if any so as to take care of the changes made in the bidding document. The prospective PBC participants should inform their intention to participate and send written queries at the email santosh@niab.org.in , spm@niab.org.in sufficient before PBC date to enable us to keep the response ready. The changes made to the bidding document subsequent to the PBM shall be treated as amendment to this bidding document and the same shall also be hosted on NIAB website.		
CRITICAL DATE SHEET (Please strictly adhere to the dates mentioned in this document.		
Tender Published Date	11-04-2021 (As per CPPP portal time)	
Bid Submission Start Date	11-04-2021 (As per CPPP portal time)	
Bid Submission End Date	02-05-2021 (at 14.00 hrs)	
Bid Opening Date	03-05-2021 (at 14.30 hrs)	
The bidders are requested to please note that all future amendments/corrigendum will be published on NIAB website and no separate advertisement will be released for the same. Bidders are therefore requested to regularly visit our website for any such updates.		

CHAPTER-2
INFORMATION TO BIDDERS -PART-1

1	Bids shall be submitted online only at CPPP website: https://eprocure.gov.in/eprocure/app .
2	<u>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. Please read Chapter -5 carefully and prepare all required form /Technical & Price Bid ready before starting the procedure.</u>
3	The bidders can enroll themselves on the website http://eprocure.gov.in using the option “Click here to Enroll”. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the Company's name is a prerequisite for registration and participating in the bid submission activities through this web site. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site http://eprocure.gov.in under the link “Information about DSC”. The web site also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for ready reference. Please visit website: - http://eprocure.gov.in/eprocure/app and get complete information.
4	Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
5	The tenderers should have Digital Signature Certificate (DSC) for filling up the Bids. The person signing the tender documents should be authorized for submitting the on line e-tender.
6	Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
7	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.
8	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.
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. 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 future meetings.
10	Tenderer who has downloaded the tender from the Central Public Procurement Portal (CPPP) website https://eprocure.gov.in/eprocure/app and NIAB website shall not tamper/modify the tender form including downloaded price bid template, All other format in any manner. In case if the same is found to be tempered/ modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with NIAB
11	Please Make sure all format asked as per CHAPTER - 5 of tender document are properly uploaded online in suitable cover on CPPP Website for E-Procurement http://eprocure.gov.in .

CHAPTER – 3**INFORMATION TO BIDDERS -PART-2**

SN	DETAILS
1	BIDDERS ELIGIBILITY / QUALIFICATION / REQUIREMENTS
	<p>This Invitation for Bids is open to all Original Manufacturers/ their Authorized Dealers/ vendors / suppliers to quote on their behalf for this tender as per Manufacturer's Authorization Form who possess the qualifying requirements as specified in the Tender. Any person signing a Tender shall submit documentary evidence that his signature on the Tender, submitted by him, is legally binding upon himself, his firm. If it is detected that the person so signing the Tender has no authority to do so, the Director, NIAB may, without prejudice to other civil and criminal remedies, not consider the Tender and hold the signatory liable for all costs and damages. 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. The bidder or his agent must have an office in India. That the Bidder will assume total responsibility for the fault-free operation of equipment, application software, if any, and maintenance during the warranty period and provide necessary maintenance services after end of warranty period if required. Bidders who meet the criteria given above are subject to be disqualified, if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, etc. Other things being equal, preference shall be / may be given to firms who or his principal has supplied and installed similar system at any CSIR/ICAR/ICMR/DAE/DRDO/DST/DBT/other Govt. or autonomous research Labs in India. The Bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf of this tender as per manufacturer authorization form and Indian agents of foreign principals, if any who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the "Technical Specification". Such equipment must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening in India and is engaged in R&D activities. The Indian Agents of foreign manufacturers / suppliers quoting directly on behalf of their principals for items appearing in the restricted list of the current Foreign Trade Policy registered with DGS&D (if applicable). One Indian Agent cannot represent two different foreign principals for the same item in one tender. The bidder should have executed at least one similar order successfully during the preceding three financial years. Details of service support facilities that would be provided after the warranty period should be submitted in the Service Support Details Form. That, in the case of a Bidder not doing business in India, the Bidder is/or will be (if successful) represented by an Agent in India who shall be equipped and able to carry out the Supplier's maintenance, repairs and spares parts.</p>
2	OPENING OF BIDS
	<p>In case of SINGLE BID system, the bid is required to be submitted in ONE PART. Techno-Commercial & Financial / Price Bid together as one single bid. In case of single bid system ---- Bids will be opened on the date and time given and technical evaluation committee will chose technically suitable and finically L1 bidder. All the process will be done online through E-PROCUREMENT UNDER CENTRAL PUBLIC PROCUREMENT PORTAL (eprocure.gov.in).</p> <p>In case of TWO BID system, the bid is required to be submitted in TWO PARTS. One part is the Technical Unpriced Bid (PART-I) and the other part is the Price / Financial Bid (PART-II). In two bid system -----In the first instance, the Technical Bids (PART-I) will be opened. Final selection of the Technical Bids will be based on the Technical Evaluation by the authorities of NIAB. The Price Bid of only those Technical Bid(s) are found technically suitable will be opened subsequently by informing to qualified vendors.</p>
3	LANGUAGE OF BID
	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 Hindi/English language only.
4	DOCUMENTS COMPRISING THE TECHNICAL BID
	Please read points given in Chapter-5, for all forms, Details of Installations of similar equipment in India; Availability of number of trained support personnel, both application & service support. Compliance statement indicating yes/no as per the specifications. All necessary catalogues/technical literature, data as are considered essential for full and correct evaluation of offers must be submitted.
5	BID PRICES
	Please read points given in Chapter No- 2 before preparing Price Bid /Quotation and submit the same along with PRICE SCHEDULE 'A' & PRICE SCHEDULE 'B' after considering all the points. BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY
6	DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATIONS
	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. That the bidder meets the qualification criteria as per Bid document. In case a bidder not doing business within the purchasers' country, that the bidder is or will be represented by an agent in the country 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.
7	DOCUMENTS ESTABLISHING GOOD'S ELIGIBILITY AND CONFORMITY TO BIDDING DOCUMENTS

	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. To establish the conformity of the goods and services to the specifications, the documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data etc.
8	EARNEST MONEY DEPOSIT (EMD)/TENDER FEES (if any)
	The Bidder shall furnish, as part of its bid, Earnest Money Deposit (EMD) / TENDER FEES (if any) specified in the Bid document. This shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders shall be submitted by the manufacturer or their authorized dealer. The Bid Security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture. The Bid Security shall be in Indian Rupees for offers received for supply within India The Bid Security shall be payable promptly upon written demand by the purchaser in case the conditions in the Tender Documents are invoked. The Bid Security should be submitted in its original format. Copies shall not be accepted. The successful Bidder's Bid Security will be discharged upon the Bidder furnishing the performance security. The firms registered with DGS&D & NSIC, if any, are exempted from payment of EMD provided such registration includes the item they are offering which are manufactured by them and not for selling products manufactured by other companies. The bid security may be forfeited. If a Bidder withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder; or In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 15 days of the order and/or fails to furnish Performance Security within 21 days from the date of contract/ order.
9	PERIOD OF VALIDITY OF BIDS
	Bids shall remain valid for 180 days after the date of bid opening prescribed by the Purchaser
10	NEGOTIATIONS
	Negotiations, if any and at all done, shall be held with only the technically Qualified (L1) bidder.
11	PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS
	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.
12	PURCHASER'S RIGHT TO VARY QUANTITY, ADD SPECIAL TERMS IF REQUIRED AT THE TIME OF AWARD OF CONTRACT
	The Purchaser reserves the right at the time of award of Contract to increase or decrease the quantity of goods and services originally specified in the Tender documents without any change in unit price or other terms and conditions. This tender document and all terms and conditions, Purchase order terms / special term if mutually agreed will be form parts of total contract.
13	JOINT VENTURE, CONSORTIUM OR ASSOCIATION
	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.
14	DISQUALIFICATION OF TENDERS
	Tenders are liable for rejection if they are not in line with the terms and conditions of this tender notice. Conditional quotations will be liable for rejection or may not be considered. Incomplete tenders /tenders without EMD will be liable for rejection. Submission of Single Bid as against Two Bid System or Quotes submitted in Email/fax will be rejected. The Bidder should ensure that the prices are mentioned only in the Price Bid and nowhere in the Technical Bids in case of TWO BID SYSTEM.
15	PRELIMINARY EXAMINATION /EVALUATION & COMPARISON OF BIDS
	Technically SPECIFICATION Qualified L1 BIDDER is main base point for award of contract. The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in have been provided, required sureties have been furnished, and to determine the completeness of each document submitted. The Purchaser will examine the technical bids to determine whether they are complete, whether the documents have been properly signed, and whether the bids are generally in order. The competent committee decision and parameters will be final for qualifying the firms technically. No queries will be entertained for the decision and method for the same. No interim queries will be entertained till final award of contract. The total cost of requirement/item/service to be purchased is main criteria for evaluation irrespective of different standard warranty period offered in any. The purchase of Additional warranty /CMC is at sole discretion of institute and not mandatory for comparison in case of standard warranty period differs. For the bids surviving the technical evaluation which have been found to be responsive the evaluation & comparison shall be made as under: The final landing cost of purchase after all discounts, freight, forwarding, insurance warehouse to warehouse, custom clearing charges, all duties, taxes etc. shall be the basis of evaluation. Imported Vs. Indigenous Offers - The final landing cost (ware house to ware house) of purchase taking into account, freight, forwarding, insurance, taxes etc. CIF/CIP applicable if any with customs clearance charges, Bank/LC charges, transportation up to NIAB, Hyderabad shall be the basis of evaluation. Conditional tenders/discounts etc. shall not be accepted. Rates quoted without attached conditions (viz. Discounts having linkages to quantity, payment terms etc.) will only be considered for evaluation purpose. Thus conditional discounted rates linked to quantities and prompt/advance payment etc. will be ignored for Comparison. The Purchaser however reserves the right to use the discounted rate/rates considered workable and appropriate for counter offer to the successful tenderers. Arithmetical errors in the financial bids will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the supplier does not accept the correction of errors, its bid will be rejected. If there is a discrepancy between the price quoted in words and figures, the rate quoted in words will be taken as final and shall be binding on the Bidder. BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY.

THE COMPETENT AUTHORITY USE THE FOLLOWING CRITERIA/METHOD OF EVALUATION TO AWARD THE CONTRACT.

The process of award of contract/ Evaluation is as follows.

There are three stages of evaluation.

1. Part –A (Technical Pre-Qualification)
2. Part-B (Technical Marking)
3. Part-C (Financial Marking)

Stage-1	The Bidder must comply fully with Part–A (Technical Pre-Qualification) failing which the bidder will be disqualified and not be evaluated further.
Stage-2	Only the Bidders who qualify Part- A will be evaluated for further Part- B as follows. Mark (I) will be calculated at weightage of 70 % of the Part-B (Technical mark) Considering marking , firms are informed to submit all relevant supporting documents which will give them marks as per above points.
Stage-3	The Bidder who qualify for both Part- A (Technical) and Part B (technical) will be qualified for Part C (Financial) – Mark (II) will be calculated at weightage of 30 % of the Part –C (Financial)

The Bid will be awarded to the Bidder who score highest mark in total of [Mark (I) + mark (II)]

Considering above points, bidders are informed to read all NIT carefully & submit all relevant supporting documents which will give them correct marks as per above details. No document Post opening of the BID will be accepted. Bidders are informed to submit all the relevant documents before due date along with the BID.

Part –A (Technical Pre-Qualification)

The bidder fulfilling PART –A criteria only will be evaluated further for PART- B . Those Who Qualify in Technical Marking Points (A) above will be considered for this further marking in Technical Marking Points (B) , Others who does not qualify in this will be termed (Part- A –Failed) and their Bid will be rejected .

SN	Description	Supporting Copies Submitted (Yes /NO) with details
1	<p>Bidder must have work experience as per this NIT.The bidder should have satisfactorily completed similar type of work for Pharma/Biological Research Laboratories from Jan 2010 till Bid Submission End Date & time of this NIT. The value of each work order should be not less than as mentioned below . PO must be on Bidder Name and not on any other firm.</p> <p>One completed work / PO copy of total value not less than Rs. 200 Lakh “OR” Two completed work / PO copy of total value not less than Rs. 100 Lakh “OR” Three completed work / PO copy of total value not less than Rs. 67 Lakh</p> <p>Work / Similar type of Work for this NIT is mentioned as below.</p> <p>Turnkey Project of Establishment of Cleanroom facility - Grade-B / Grade-C / Sterile Cleanrooms /BSL facility/ GLP/GMP facility for Vaccine manufacturing companies/pharmaceutical companies / Govt /Semi Government /Autonomous institute / Govt Funded institute / reputed private firms.</p> <p>Turnkey Project should include work related to setting of above facilities with HVAC systems/Modular Panels/Electricals/Floor/ Civil / DG set / Interlocking/Access Control/Fire /Detection& Alarm/CC Cameras/BMS /Instruments / any constituent work of setting up such facility</p>	
2	Copies of Company registration, GST certificate, PAN Card , firm profile etc documents must be provided along with (Form given in this NIT must be submitted).	
3	Site Visit is mandatory to understand the scope of work. Please take certificate of site visit from NIAB concerned authorities. For site visit permission & information Send E mail to spm@niab.org.in / santosh@niab.org.in . (Copy of Email Sent to these email id to be submitted along with BID) Please take confirmation after site visit form NIAB officer & the information will be provided by Email.	
4	The Bidder should submit undertaking that their firm / organization have never been blacklisted by any Govt/ Semi Govt Organizations/ / PSU’s etc & document /information given by bidder are true and correct. (Form given in this NIT must be submitted).	
5	The Bidder must give an self-undertaking to finish this work in prescribed time limit (Maximum within 75 days) as per this NIT as this is a very urgent requirement and need priority by Bidder for completion as early as possible..	

Part-B (Technical Marking)

Only the Bidders who qualify Part- A will be evaluated for further Part- B as follows. Mark (I) will be calculated at weightage of 70 % of the Part-B (Technical mark) . Considering below points, firms are informed to submit all relevant supporting documents which will give them marks as per above points.

Part-B (Technical Marking)

SN	Point	Description & marks	Maximum Mark
1	Number of Years in operation (evidenced by date of registration of company)	a) From 01 year to 3 Yrs ----- 1.5 Mark b) More than 3 years & up to 6 years ---- 2.5 marks c) More than 6 years ---- 5 Marks	5
2	Work experience as per this NIT (based on Po copies details submitted by bidder	a) Up to 5 No. of PO copies of similar work ----- 2.5 Marks b) From 6 to 8 No. of PO copies of similar work ---- 5 marks c) More than 8 Number of PO copies of similar work ---10 marks	10
3	Work experience as per this NIT with Govt. Institutions -- Academic / Research Lab / PSUs/AB/ IIT /NIT /any Govt funded institute (based on Po copies details submitted by bidder	a) Up to 03 PO copies Govt. Institutions -- Academic / Research Lab / PSUs/AB/ IIT /NIT /any Govt funded institute ----- 2.5 marks b) More than 3 PO copies Govt. Institutions -- Academic / Research Lab / PSUs/AB/ IIT /NIT /any Govt funded institute ----- 5 Marks	5
4	Satisfactory work completion certificate by clients (based on Satisfactory work completion certificate details submitted by bidder	a) Up to 3 clients' satisfactory work completion certificate ----- 2.5 b) 4 to 6 clients' satisfactory work completion certificate ---- 5 Marks c) 7 & above clients' satisfactory work completion certificate - 10 Marks	10
5	No. of Technical staff with your firm (details with their name , qualification (evidenced by office id card& letter by bidder (Qualification for technical staff is -- ITI / Diploma with 2 Yrs Experience) / Bachelor of Engineering	a) Up to 4 technical staff ----- 2.5 Marks b) More than 4 technical staff -----5 Marks	5

6	Average Turnover for 4 Financial Years as per NIT (Evidenced by Profit & Loss Account & Balance Sheet duly authenticated by CA)	a) Up to 2.5 Crores ----- 2.5 Marks b) More than 2.5 Crores ----- 5 Marks	5
7	PO Value of Work (to be supported with PO copies)	a) Total PO value up to 5 Cr --- 2.5 Marks b) Total PO value above 5 Cr --- 5 Marks The format as per NIT must be submitted along with PO copies. POs form Jan 2010 onwards till Bid Submission End Date & time of this NIT will be considered for above calculation & Po must be on Bidder name.	05
8	Setting up of biosafety level (BSL) facility / Clean Room for Pharma Company / Govt. Institutions -- Academic / Research Lab /PSUs/AB/ IIT /NIT /any Govt funded institute Supported by PO copies/ Client certificate	a. Project of setting up of at least one clean room only with client completion certificate --- 2.5 Marks b. Project of setting up at least one clean room & 1 to 2 BSL 2+ & above facilities with PO & client completion certificate --- 5 Marks c. Project of setting up at least one clean room & more than two BSL 2+ & above facilities with PO & client completion certificate --- 10 Marks	10
9	Bank solvency certificate issued by any reputed bank of bidders account. Certificate taken for any other Project /NIT not be more than 06 months old from the date of publication of tender can be considered for this NIT.	a. Bank solvency certificate up to 50 Lakhs ---- 1.5 Marks b. Bank solvency certificate (More than 50 –Less than 1 Cr) ---- 2.5 Marks c. Bank solvency certificate (More than 1 Cr) ---- 5 Marks (Format as per form no 9 of this NIT) / as per bank standard format. This certificate must be submitted along with Bid or on or before technical presentation failing which No marks will be awarded for this category.	05
10	Technical Presentation	Review of technical specification and adherence to terms as per bid submitted, Documents submitted along with bid, Overall Quality & value of past work completed, Customer feedback, Technical expertise, HR, Professional membership, Standards certification, Financial soundness of the firm, Proof of concepts, drawing, designs, presentation, technical competence of past projects etc . Bidder should present with proposal / design/ 3 D model with tentative timeline for completion of this project.	40
Total			100
Mark – (I) = 70 % of Total marks as par Part-B (Technical Marking)			
Mark (I) will be calculated at weightage of 70 % of the Part-B (Technical mark)			

Part-C (Financial Marking)

Financial Marking Points.

The price Bid will be opened. Ranking will be done as L1 ,L2,L3,L4etc on total cost basis & L1 will be the lowest cost of all . Then L1 will be given 100 Marks. $L2 = (L1 \text{ cost} \times 100) / L2 \text{ cost}$ and like L3 , L4 marks will be calculated.

Mark (II) = 30 % of Financial Marking Points- Part-C (Financial)

Total Marks = [Mark – (I) + Mark – (II)] mentioned as above will be calculated.

Firm getting highest marks for total of [Mark – (I) + Mark – (II)] will be awarded the contract.

The decision of competent authority & concerned committee of NIAB will be final about the process of evaluation and award of contract and no claim whatsoever will be entertained in this regards. Considering above points, firms are informed to submit all relevant supporting documents which will give them better marks in above technical criteria. Please Quote best discounted price. This will be helping the firm in getting this contract.

Forms to be submitted for Part-A (Technical Pre-Qualification)

FORM FOR SR NO -1 for Part-A (Technical Pre-Qualification)

The bidder should have satisfactorily completed similar type of work for Pharma/Biological Research Laboratories. The value of each work order should be not less than as per given limit. PO details (WORK AS PER THIS NIT) must be submitted from Jan 2010 to till Bid Submission End Date & time of this NIT.

(PO DETAILS GIVEN IN THIS FORM ONLY WILL BE CONSIDERED FOR EVALUATION FOR THIS NIT)

Sr No	Po No	PO date	Client Name	PO copy enclosed (yes/No)	PO value (in laksh)
1					
2					
3					

FORM FOR SR NO -2 for Part-A (Technical Pre-Qualification) (Bidder Information)

Copies of Company registration, GST certificate, PAN Card , firm profile etc documents must be provided along with **(Certificate as per format given in this NIT must be submitted).**

Name of the Firm	
Address of the Firm	
Contact details of Firm Phone /Email id	
Company registration Certificate details (enclose copy)	
Pan Card Registration No. (enclose copy)	
GST Registration No. (enclose copy)	
Brief company Profile	
Experience in yrs & name & contact details of the Key Person will be handling this Project if awarded.	
Competent Authority to sign: Name, Designation : Date with stamp & seal of organisation:	

FORM FOR SR NO -4 for Part-A (Technical Pre-Qualification)

(Declaration)

The Director,
National Institute of Animal Biotechnology (NIAB),
Opp. Journalist Colony, Near Gowlidoddy,
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sir,

Subject: Submission of bids for the work Supply, installation, testing and commissioning
of proposed clean room vaccine testing facility at NIAB, Hyderabad.

Ref.: NIT No. _____; Dated _____

We hereby confirm that our firm has not been banned or blacklisted by any Government organization/Financial institution/Court /Public sector Unit /Central Government. In case the above statement made by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our PBG and / or cancel the award of contract. .

It is also certified that in the event of submitted information of any point /document as per this NIT being found false or incorrect at any stage, bid shall be liable to rejection/termination of accepted Bid/Order /any further action suitable in accordance of rules and regulations of GOI.

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisation:

FORM FOR SR NO 5 for Part-A (Technical Pre-Qualification)
(Declaration)

The Director,
National Institute of Animal Biotechnology (NIAB),
Opp. Journalist Colony, Near Gowlidoddy,
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sir,

This is to certify that I/We have read this NIT and understood the scope of work and urgency of the requirement. Our Firm will give highest priority for completion of this project within 75 days after award of contract and try best efforts to complete this project with in maximum 75 days.

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisation:

Form to be submitted for Part-B (Technical Marking)

FORM FOR SR NO -1 OF PO Part-B (Technical Marking) Value of Work	
Number of Years in operation (evidenced by date of registration of company)	
Date of Registration	
Supporting documents enclosed (yes / No with details of what document enclosed)	

FORM FOR SR NO – 2 & 7 OF Part-B (Technical Marking)					
<p>Work experience as per this NIT (Po copies) & PO Value of Work (to be supported with PO copies) PO details (WORK AS PER THIS NIT) must be submitted from Jan 2010 to till Bid Submission End Date & time of this NIT. The PO which is not mentioned here will not be considered for marking. Please enclose PO copies. PO must be on Bidder Name and not on any other firm.</p>					
(PO DETAILS GIVEN IN THIS FORM ONLY WILL BE CONSIDERED FOR EVALUATION FOR THIS NIT)					
Sr No	Po No	PO date	Client Name	PO copy enclosed (yes/No)	PO value (in laksh)
				Total of PO value	

FORM FOR SR NO – 3 OF Part B (Technical Marking)						
<p>Work experience as per this NIT (PO copies Govt. Institutions -- Academic / Research Lab / PSUs/AB/ IIT /NIT /any Govt funded institute . This must be submitted from Jan 2010 to till Bid Submission End Date & time of this NIT. The PO which is not mentioned here will not be considered for marking. Please enclose PO copies. PO must be on Bidder Name and not on any other firm.</p>						
SR No	Name of Organization	brief scope of work	Po No. and Date	Po Value (Rs.)	Po enclosed (Yes/No)	Contact details of Client (Name/Phone/Email id)

FORM FOR SR NO – 4 OF Part B (Technical Marking)

(Satisfactory work completion certificate by clients) Please give all your certificate details here only to consider for marking. The PO which is not mentioned here will not be considered for marking. Please enclose copies for the same work completion certificate/ installation certificate.

Sr. No.	Client Name	Po No. and Date	PO value	Date of completion of work	Work Completion Certificate enclosed (yes/No)

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisation:

FORM FOR SR NO – 5 OF Part B (Technical Marking)

(No. of Technical staff with your firm (details with their name , qualification (evidenced by office id card, Resume / Qualification, experience etc

SR No	Name of the Employee	Designation	Qualifications	Professional experience	role of this staff in brief for this proposed work	Resume and Office Id card enclosed

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisation:

FORM FOR SR NO – 6 OF Part B (Technical Marking)

**Average Turnover for 4 Financial Years as per NIT
(Evidenced by Profit & Loss Account & Balance Sheet duly authenticated by CA)**

S.No.	Financial / Accounting Year	Annual Turnover (Rs.)	Net Profit (Rs.)	Loss (if any) (Rs.)
1	2016-17			
2	2017-18			
3	2018-19			
4	2019-20			

AVERAGE TURNOVER OF LAST FOUR YEARS AS ABOVE =

Signature of Chartered Accountant with Seal Note :

The above data is to be supported by audited balance sheets. Attach copies of audited balance sheets duly certified by the chartered accountant for all three years Audited Balance sheet should mention the membership number of chartered accountant issued by ICAI along with full address.

FORM FOR SR NO – 8 OF Part B (Technical Marking)

Setting up of BSL facility / Clean Room facility. (Supported by PO copies/ Client certificate)

Sr. No	Client Name	Type of work BSL / Clean Room facility	Po No. and Date	Po Value	PO copies enclosed (Yes/No)	work completion/satisfac tory performance Certificate enclosed (Yes/No)	Contact details of Client (Name / Phone / Email id)
1							
2							
3							

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisation:

MSE Guidelines for EMD/Tender Fees Exemption

Revised Classification applicable w.e.f 1st July 2020

Composite Criteria: Investment in Plant & Machinery/equipment and Annual Turnover

Classification	Micro	Small	Medium
Manufacturing Enterprises and Enterprises rendering Services	Investment in Plant and Machinery or Equipment: Not more than Rs.1 crore and Annual Turnover ; not more than Rs. 5 crore	Investment in Plant and Machinery or Equipment: Not more than Rs.10 crore and Annual Turnover ; not more than Rs. 50 crore	Investment in Plant and Machinery or Equipment: Not more than Rs.50 crore and Annual Turnover ; not more than Rs. 250 crore

Presently EMD/Tender Fee exemptions and price preference are applicable to only Micro and Small Industries. View above, if you are claiming EMD/Tender Fee exemptions, you should meet above criteria / criteria as revised for Micro and Small Industries.

- 1 You have to submit your supporting documents issued by competent Govt bodies to become eligible for the above exemption.
- 2 Also your certificate (NSIC) / MSE shall cover the items tendered to get EMD/Tender fee exemptions.
- 3 NSIC certificate shall be valid as on due date / extended due date of the tender.
- 4 In case the bid is submitted as an Indian arm of a foreign bidder and the eligibility criteria conditions were met thru foreign company, then the EMD Exemption cannot be claimed under the MSME status of Indian arm / subsidiary.
- 5 UAM number :- Udyog Aadhar memorandum (UAM) number issued by MSMS , Copy of Registration Certificate issued by NSIC, With current validity / MSE / MSEs owned by SC/ST entrepreneurs in respect of those who are seeking exemption for payment of Earnest Money Deposit (Bid Security)/fees.

Thus a Bidder who solely on it's own, fulfills each eligibility criteria condition as per the tender terms and conditions and who are having MSE status, can claim EMD exemption/ tender fee but not Rs 1500/-processing charges which is mandatory for all. If all these conditions are not fulfilled or supporting documents are not submitted with the Bid, then all those Bids without Tender fees /EMD will be summarily rejected and no queries will be entertained.

This Tender document is free of cost and no tender fees is applicable. EMD exemption is as rules mentioned herein.

TENDER PROCESSING CHARGES Rs 1500 /- in this NIT is mandatory for all firms and not exempted to any firm.

Please read above points before preparing Price Bid /Quotation and submit your quotation after carefully reading /considering all the points.

SN	Point	Description	Point Noted & complied in Price Bid.
1	Price Breakup	The Bidder shall indicate the unit prices, discounts rate / percentage and total bid prices of the goods it proposes to supply. All breaks up of price incl Packing, Transportation, Taxes, incidental expenses must be given up to satisfactory installation in NIAB premise. Vague terms like “packing, forwarding, transportation, taxes etc. extra” without mentioning the specific amount/percentage of these charges will NOT be accepted. Where there is no mention of packing, forwarding, freight, insurance charges, such offers shall be summarily rejected as incomplete / non-responsive. Prices quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account.	<input type="checkbox"/> Point Noted for Bid Preparation
2	Quote for Complete item set up / functioning required as per specification.	Item quoted should be completed in all respects; any additional accessories required instrument to operate /function should also be quoted as part of the instrument and should be supplied along with instrument. It should not be included in optional.	<input type="checkbox"/> Point Noted for Bid Preparation
3	Optional accessories / PC /UPS /stabilizer	The cost of accessories in optional should be quoted separately. List of all optional accessories with detail specification must be given with List price & discount.	<input type="checkbox"/> Point Noted for Bid Preparation
4	Bid Currencies	PLEASE quote your price in Currency :- INR (The Indian rupee) only. Please read all instructions given in all column of BOQ to be uploaded on CPPP. BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY	<input type="checkbox"/> Point Noted for Bid Preparation
5	For indigenous Items OR goods of foreign origin to be supplied in Indian currency	Ex-factory / Ex-warehouse //Ex-showroom /Off-the shelf Tax (if any) [%age & value] Transportation , loading/ unloading and incidental costs till NIAB site Insurance charges (if any with period cover) Incidental services (including installation & commissioning, and training) at NIAB site	<input type="checkbox"/> Point Noted for Bid Preparation
6	Taxes, Custom duties etc.	For NIAB Customs Duty under notification No.51/96 dated 23.07.1996. Hence Customs Duty, if any, should be shown separately. Please mention the applicable taxes clearly. We don't issue any 'Form C' or 'Form D'. Custom bonded warehouse price should be quoted in case of imported item quoting INR. Instrument quoted should be complete in all respects. If there is no explicit mention about taxes in your offer, then quoted price will be deemed inclusive of all such taxes and no other charges except those mentioned clearly in the quotation will be paid. <u>The GST Rates / Exemption applicable will be as per GOI, MoF Notification No. 47/2017-Integrated Tax (Rate) dt. 14/11/2017 & GOI - GST Law 2017 as applicable. The Custom duty Rates / Exemption will be as applicable as per Govt. of India Rules as applicable to DSIR Registered institute/Govt. funded research institute. It is certified that National Institute of Animal Biotechnology, is an Autonomous Institute of the Department of Biotechnology, Ministry of Science & Technology, Govt. of India and it is registered with the (DSIR) Department of Scientific & Industrial Research, Government of India vide their Registration No. TUV/RG-CDE(1175)/2020 dated 28th Aug 2020 , Valid up to 31.08.2025.</u>	<input type="checkbox"/> Point Noted for Bid Preparation
7	Bid Validity	The Bid should be valid for at least 180 days.	<input type="checkbox"/> Point Noted for Bid Preparation
8	Comprehensive WARRANTY & AMC	The charges for AMC/CMC after warranty shall be quoted separately as per price schedule 'B'. Standard Warranty period is taken as 12 Months unless otherwise specified. <u>The purchase of Additional warranty /CMC is at sole discretion of institute.</u> <ul style="list-style-type: none"> ➤ The cost of Annual Maintenance Contract (AMC) which includes preventive maintenance including testing & calibration as per technical/service/ operational manual and labour, after satisfactory completion of warranty period may be quoted for next 3 (or as specified) years on yearly basis for complete equipment. ➤ The cost of CMC may be quoted along with taxes applicable on the date of Tender opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later. ➤ Cost of CMC will be added for ranking/evaluation purpose. ➤ The uptime warranty will be 98% on 24 (hrs) x 7 (days) x 365 (days) basis. ➤ The stipulation in technical specification will supersede above provision. <p>The supplier shall keep sufficient stock of spares required during comprehensive maintenance contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties. Please read above points before preparing Price Bid /Quotation and submit your quotation after carefully reading /considering all the points. Please read all instructions given in all column of BOQ to be uploaded on CPPP. IN CASE OF ANY DISCREPANCY IN PRICE/COST SUBMITTED IN BOQ FORMAT AS WELL AS ANY OTHER DOCUMENT AS MENTIONED IN NIT, THE DECISION OF NIAB COMPETENT AUTHORITY WILL BE FINAL AND BINDING FOR FIRM PARTICIPATED IN TENDER.)</p>	<input type="checkbox"/> Point Noted for Bid Preparation

CHAPTER 4
GENERAL CONDITIONS OF CONTRACT

SN	DETAILS
1	DEFINITIONS
	<p>In this Contract, procurement through this tender ,the following terms shall be interpreted as indicated: The following words and expressions shall have the meanings hereby assigned to them:</p> <p>“Contract Price” means the price payable to the Supplier as specified in the Purchase Order, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract. “Day” means calendar day. “Completion” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Purchase Order. “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 as per the Purchase Order. “Related Services” means the services incidental to the supply of the goods, such as transportation, insurance, installation, commissioning, training and initial maintenance and other such obligations of the Supplier as per the Purchase Order. “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 Purchase Order. The final destination,” where applicable, means the place of delivery as indicated in the Purchase Order. “The Purchaser” is ‘The Director, National Institute of Animal Biotechnology (N.I.A.B), Hyderabad, Telangana. “The Purchaser’s country is “India”.</p>
2	SUPPLIER’S RESPONSIBILITIES
	The Supplier shall supply all the Goods and Related Services included in the Scope of Supply and the Delivery and Completion Schedule, as per Purchase Order Terms.
3	SUB-CONTRACTS
	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 his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub-contract shall be only for bought-out items and sub-assemblies. 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
4	CONTRACT PRICE
	Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Purchase Order shall not vary from the prices quoted by the Supplier in its bid.
5	COPY RIGHT
	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
6	PATENT RIGHTS
	The Supplier shall indemnify the Purchaser against all third-party claims if any, of infringement of patent, trademark or industrial design rights, copy rights arising from use of the Goods or any part thereof in India.
7	INSPECTIONS AND TEST
	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 Or as discussed during the course of finalizing the contract. 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 Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes. The inspections and tests may be conducted on the premises of the Supplier or its subContractor/Bidder(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subContractor/Bidder(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.
8	PACKING
	<p>The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. 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. In order to maintain safety of the equipment, we prefer to have wooden crating with adequate cushion inside for transportation of any goods. The Material to be dispatched with International standard packing to withstand Rigors, and to avoid any transit damages.</p> <p>PACKING INSTRUCTIONS Each package will be marked on three sides with proper paint/indelible ink, the following: Purchaser Name & Address, Item Nomenclature, Order/Contract No. ,Country of Origin of Goods ,Packing list reference number</p>
9	AMENDMENTS
	The Purchaser may at any time, by written order given to the Supplier make changes within the general scope of the Contract as mutually agreed terms.
10	DELIVERY AND DOCUMENTS
	Delivery of the Goods and completion related services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order/Maximum within 08 weeks.

	<p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Purchase Order. The details of shipping and / or other documents to be furnished by the supplier are also specified in Purchase Order. Delivery of the goods should be made as per the Delivery Schedule incorporated in the Purchase Order. The supplier should intimate the shipment details within 72 hours before for custom clearance of the material.</p> <p>The supplier shall notify the purchaser the full details of the shipment including order/contract number, railway receipt number /AWB etc and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall e-mail the following documents to the purchaser, with a copy to the Clearing Agent.</p> <ol style="list-style-type: none"> i. 3 copies of the Supplier invoice showing Order/contract number, goods' description, quantity, unit price, total amount; ii. Acknowledgement of receipt of goods from the consignee(s) by the transporter; iii. Insurance Certificate if applicable; iv. Manufacturer's/Supplier's warranty certificate; v. Inspection Certificate issued by the nominated inspection agency, if any, and the Supplier's factory inspection report; a vi. Certificate of Origin. vii. Two copies of the packing list identifying the contents of each package. viii. Airway Bill / Bill of Lading <p>The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>Please make appropriate commitments in writing that the instrument model being offered is current and is not likely to be obsolete within the next couple of years and that spare parts will be available for it for at least seven years after the installation. The Installation of the equipment is deemed complete only after all the sub-units of the main equipment such as the computers/printers/UPS/Software etc., is installed and tested as per the specifications in the offer/brochure / purchase order and demonstrated to the satisfaction of the end user.</p>
11	INSURANCE
	<p>The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.</p> <p>For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "Warehouse to warehouse" (final destinations) on "All Risks" basis including war Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. However, in case of orders placed on FOB/FCA basis, the purchaser shall arrange insurance.</p>
12	TRANSPORTATION
	<p>Where the Supplier is required under the Contract to deliver the Goods on 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. 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 may be included in the Price Schedules. 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 maybe included in the Price Schedules. 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, shall be arranged by the Supplier, and the related costs may be included in the Contract Price.</p>
13	STANDARDS
	<p>The Goods supplied and services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications, 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</p>
14	WARRANTY
	<p>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.</p> <p>The Warrantee should be comprehensive and on site. 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.</p> <p>The warranty shall remain valid for twelve (12) months from the date of installation of the equipment or as per the Specification whichever is higher. 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. 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. If during the period of warranty any component or spare part is need to be brought from abroad, all associated cost shall be borne by the supplier including the cost of customs duty.</p> <p>All incidental charges / additional duties incurred for importing warrantee replacements are to be borne by the suppliers. The defective material / goods will not be handed over to the supplier and the same will be re-exported to the place of manufacturer at the cost of the supplier. In case, the manufacturer has the office in India the same may be handed over to them with an undertaking that they will re-export to their manufacturing facility within a reasonable time and submit the proof to that extent.</p> <p>If having been notified, the Supplier fails to remedy the defect within a 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.</p>

15	TERMS OF PAYMENT
	Payment Term will be finalized by NIAB Policy and remain mandatory for supplier as issued in Contract /Purchase order. There will not be any advance payment . payment of your bill will be made after receipt of the articles in good condition & successful installation/ completion of work by way of Wire Transfer as per NIAB Order Terms & conditions. For Indigenous items Payment will be made after delivery and installation. The following documents shall be required for foreign payment. Signed commercial invoice in quadruplicate, Certificate of Origin issued by the Beneficiary/ Concerned Chamber of Commerce, Insurance copies/ certificates, Airway Bill / Bill of Lading Copy, Packing list indicating description of goods and quantity package wise in triplicate. All banking charges outside India will be borne by the supplier and inside India charges will be borne by the purchaser. In case of works /Turnkey project the interim payment can be done for 50 % of the value of supplied & accepted Project Materials (on the submission of invoice & supporting documents) .Balance payment will be made after successful completion of the project as per NIT .
16	EXTENSION OF TIME
	Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified in the contract. If at any time during performance of the Contract, the Supplier or its sub-Contractor/Bidder(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, its 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. Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
17	PENALTY CLAUSE
	Subject to 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 Purchase order, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 1 percent of the order value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10 Percent. Once the maximum is reached, the Purchaser may consider termination of the Contract for Default.
18	TERMINATION FOR DEFAULT / INSOLVENCY
	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 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 If the Supplier fails to perform any other obligation(s) under the Contract. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices. 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: The Performance Security is to be forfeited. 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. 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.
19	NOTICES
	Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing and confirmed to the other party's address specified in the Purchase Order.
20	SITE PREPARATION AND INSTALLATION
	The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after placement of Purchase Order. In compliance with the technical and environmental specifications Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the equipment, if required.
21	TAXES AND DUTIES
	Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the ordered Goods to the Purchaser at the final destination.
22	INCIDENTAL SERVICES
	The supplier may be required to provide any or all of the services, as discussed during the course of finalizing the contract. User and detailed Service Manual /training to be supplied along with the equipment.
23	SPARE PARTS
	The Supplier shall be required to provide the spare part details/materials, notifications, and information pertaining to its manufacture or distribution: 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 In the event of termination of production of the spare parts: advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed Requirements if any; and Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

24	PERFORMANCE SECURITY
	The successful Bidder must be ready to provide Performance security (3% of the order value unless mentioned otherwise) in the Performance Security Form provided in the Bid Document, within 21 days of the receipt of notification of award/purchase order from the Purchaser or/as mentioned in purchase order/contract awarded failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited & the contract shall be deemed terminated. 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. Bidder can submit the performance security of Bank Guarantee issued by a Nationalized/Scheduled bank located in India on the format provided in the bidding documents / as issued by NIAB post contract. The PBG will be forfeited in case supplier fails to honour contractual obligation.
25	FRAUD AND CORRUPTION
	The purchaser requires that the bidder's suppliers and Contractor/Bidders observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined: "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; "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract; "Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive levels; and "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. 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.
26	SETTLEMENT OF DISPUTES
	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. If, after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms. These mechanisms may include, but are not limited to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and national or international arbitration. 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 Director, NIAB and if he is unable or unwilling to act, to the sole arbitrator so appointed shall be final conclusive and binding on all parties to this order. 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. The Venue of the arbitration shall be the place from where the order is issued.
27	APPLICABLE LAW
	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 Hyderabad.
28	Your Bid will be rejected if Technical Bid Compliance form AS PER THIS NIT is not submitted.

CHAPTER - 5

REQUIRED DOCUMENTS/ FORMAT WITH BID (TO BE UPLOADED ONLINE)

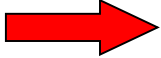
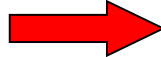

FORMAT TO KEEP READY BEFORE ONLINE SUBMISSION OF BIDS

Bid will contain all the technical details of the products along with following format. Please keep all the following documents ready as per format mentioned herein for uploading on the website during online submission of your bid. Non Submission of these format may result in rejection of your bid. Read all forms carefully and submit it exactly same as per below format. Changing of our wording of format may result in rejection of your bids. BOQ final cost must be same as per Quotation / Price Bid submitted as per above documents

IT IS TWO BID --- THERE ARE 2 COVERS TO BE UPLOAD

- ✓ **Cover-1 -- Part-1 --- FEE/PRE QUAL/TECHNICAL/FORMS**
- ✓ **Cover-2 -- Part-1 --- PRICE BID AS PER FORMAT MENTIONED IN THIS NIT**
- ✓ **Cover-2 -- Part-2 --- BOQ/FINANCE DETAILS**

KEEP SCAN COPY OF PART -1 , PART-2 ,PART-3 READY AS PER FORMAT BEFORE STARTING APPLYING FOR TENDER ON CPPP

Documents to be uploaded on CPPP Cover 1 & 2	Documents format	Documents to be uploaded (keep ready , scanned as one file as per as per format mentioned herein)
<p align="center">CPPP Cover -1 Part -1 as per NIT <u>(All documents asked as per point No 1 , 2, 3 ,4 to be uploaded , KEEP IT READY BEFORE ONLINE SUBMISSION scanned AS ONE .pdf file)</u></p>	<p>.pdf</p> 	<ol style="list-style-type: none"> 1. <u>Complete Technical Compliance Form as Per NIT</u> 2. All supporting Technical documents ,description / Literature / Catalogue showing technical compliance for the requirement Mentioned in NIT. 3. SCAN COPY OF DD (EMD /TENDER PROCESSING FEES/TENDER FEES AS APPLICABLE.) 4. Copy of PAN card/ Certificate of Registration with Govt. Tax Authorities / GST / UAM number Udyog Aadhar memorandum (UAM) number issued by MSMS IF ANY , Copy of Registration Certificate issued by NSIC, Govt. of India Enterprise/ DG, S&D / MSME, units registered with District Industries Centre / Joint Director of Commerce and Industries, Govt. of Telangana/ respective State Govts. With current validity / MSE / MSEs owned by SC/ST entrepreneurs in respect of those who are seeking exemption for payment of Earnest Money Deposit (Bid Security)/fees. / PO copies of similar work done/item supplied
<p align="center">CPPP- Cover - 2 Part -1 Only Pride Bid</p>	<p>.pdf</p> 	<ol style="list-style-type: none"> 1. Price Quotation on firm's Letterhead giving full cost, tax details (all in detail) for the requirement mentioned in NIT. INCLUDING PRICE SCHEDULE 'A' & PRICE SCHEDULE 'B' FORMAT AS PER NIT (If any) / FINANCIAL BID / SCANNED QUOTATION ON FIRM LETTERHEAD GIVING TOTAL COST OF REQUIRMENT IN TENDER <p align="center">COST AS PER THIS QUOTATION SHOULD MATCH WITH BOQ</p>
<p align="center">CPPP Cover – 2 Part -2 BOQ/Price Details</p>	<p>.xls</p> 	<p>BOQ /Finance details -- BOQ can be downloaded from CPPP along with other NIT, filled and then uploaded again. Please read all instructions given in all column of BOQ to be uploaded on CPPP.</p>

KEEP ABOVE DOCUMENTS SCANNED AS PER FORMAT MENTIONED ABOVE, READY FOR UPLOAD BEFORE START APPLYING FOR TENDER. BOQ FINAL COST MUST BE SAME AS PER QUOTATION / PICE BID SUBMITTED AS PER ABOVE DOCUMENTS

(FORMS TO BE SUBMITTED ALONGWITH YOUR BID OTHERWISE YOUR BID WILL BE REJECTED)

FORM NO - 1

PROCESS COMPLIANCE/ACCEPTANCE OF TENDER CONDITIONS FORM

The Director,
National Institute of Animal Biotechnology (NIAB),
Opp. Journalist Colony, Near Gowlidoddy,
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

***Sub: Acceptance to the Process related & Terms and Conditions for the e-Tendering
Ref.:- The Terms & Conditions for e-Tendering mentioned in tender No.:*** _____

Sir,

We hereby confirm the following.

The undersigned is authorized representative of the company. We have carefully gone through the NIT, Tender Documents and the Rules governing the e-tendering as well as this document. We have examined and have no reservations to the Bidding Documents, including addendum (if any). We offer to supply in conformity with the Bidding Documents and in accordance with the condition of contract, specified in this tender document. We will honour the Bid submitted by us during the e-tendering. We give undertaking that if any mistake occurs while submitting the bid from our side, we will honour the same.

Bid securing declaration: - We accept that if we withdraw or modify Bids during the period of validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in this bids document, we will be suspended for the period of 01 year from being eligible to submit Bids for contracts with NIAB.

We are aware that if NIAB has to carry out e-tender again due to our mistake, NIAB has the right to disqualify us for this tender. We confirm that NIAB shall not be liable & responsible in any manner whatsoever for my/our failure to access & submit offer on the e-tendering site due to loss of internet connectivity, electricity failure, virus attack, problems with the PC, digital signature certificate or any other unforeseen circumstances etc. Our bid shall be valid for the period from the date fixed for the bid submission deadline, and it shall remain binding upon us and accepted at any time before the expiration of bid validity period as per this tender. IN CASE OF ANY DISCREPANCY ABOUT PRICE/COST IN PRICE BID , SCHEDULE A / COST SUBMITTED IN BOQ FORMAT/ COMPARATIVE GENERATED BY CPPP AS WELL AS ANY OTHER DOCUMENT AS MENTIONED IN NIT, THE DECISION OF NIAB COMPETENT AUTHORITY WILL BE FINAL AND BINDING FOR FIRM PARTICIPATED IN TENDER.

If our bid is accepted, we commit to provide a performance security in Bank Guarantee /Fixed Deposits for due performance of the contract as per NIAB policy and warranty-guarantee as per tender specification or agrees as per contract. We understand that this bid, together with your written acceptance thereof included in your notification of award/placement of order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive. We accept that the competent authority in NIAB will have full right to reject any/all offer(s) without assigning any reason thereof and does not bind itself to accept the lowest or any other tender and full authority to postpone the tender issue date, submission /opening date or to alter any other condition of tender /cancellation of this tender, as per policy/committee recommendations of NIAB at any stage without assigning any reason thereof for which no claim from whomsoever will be entertained. I/We the undersigned, have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein. The decision of competent authority of NIAB with respect to this Tender-Result will be fully agreeable and binding on us.

This letter can be treated as signed and acceptance copy of tender documents and the forms submitted as signed by competent authority of firm submitting this tender and there is no need to submit separate signed copy of tender document.

Competent Authority to sign:

Name:-

Designation:-

Contact Details :-

Date with stamp & seal of organization:

(FORM NO 2)
DETAILS OF LOCAL / ANY OTHER SERVICE SUPPORT

Location /Address of Service Centre :-

Name of Technical /In charge Person/Qualification:-

Phone/Fax/Email :-

Office Hours :-

Details of Service Facilities available :-

(FORM NO 3)
PRICE REASONABILITY CERTIFICATE

This is to certify that we have offered the maximum possible discounted price to your institute for the Item required as per this Tender No _____ in our Quotation No. _____ date _____ for total Currency / as per quotation submitted .We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to NIAB to any other customer nor we will do so till the validity of offer or execution of purchase order, whichever is later.

(FORM NO 4)
PERFORMANCE STATEMENT/ CLIENTELE/LIST OF USER

Attached separate sheet in same format if above place is not sufficient

Please find attached herewith our list of clients to whom we have supplied the same /similar work as required vide this Tender No _____ dt _____ for the item _____

SN	Name & Address of purchaser	Description	Purchase Order No. and date	Value of work	Contact Person along with Tel. NO., Fax No. & e-mail address

(FORM NO 5)

MANUFACTURERS' AUTHORIZATION

(wherever applicable/ for the main items in case of turnkey project)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. In case of foreign manufacturer, scan copy can be accepted if supported by copy of original valid normal authorization to local distributor is submitted along with above format.

The Director,
National Institute of Animal Biotechnology (NIAB),
Opp. Journalist Colony, Near Gowlidoddy,
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sir,

We _____ who are established and reputed manufacturers of the equipment having factories at _____ (address of factory) do hereby authorize M/s. _____ (Name and address of Agent) on our behalf to submit a bid, negotiate and receive the order from you against your tender No. _____ dt. _____.

We hereby extend our full support, guarantee and warranty as per the Terms and Conditions of this Tender/PO (issued if any) for the goods and services offered by the above firm as per this tender.

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisation:

(FORM NO- 6)

UNDERTAKING TO SUBMIT PERFORMANCE BANK GUARRNATEE

The Director,
National Institute of Animal Biotechnology (NIAB),
Opp. Journalist Colony, Near Gowlidoddy,
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sub:- Assurance for PBG

Sir,

We the Firm are participating in your Tender No _____

If our bid is accepted against this subject tender notice, we commit to provide a performance security for due performance of the contract as per NIAB policy/format/form and warranty-guarantee as per tender specification or agrees as per contract valid for 60 days more than the contract period. We accept that PBG on the instruction of competent authority of NIAB will be forfeited in case our failure in meeting contractual obligation.

Thank you.

Competent Authority to sign:
Name, Designation :
Date with stamp & seal of organisatio

(FORM NO 7)

ORGANISATIONAL DETAILS

1	Name of firm	
2	Head office address	
3	Place of incorporation/ registration Year of incorporation/ registration	
4	Legal status of the applicant (attach copies of original document defining the legal status) a) A proprietary firm b) A firm in partnership c) A limited company or Corporation / Joint venture / Consortia /Any other	
5	Names of Key executives with designation to be connected for this bid /Designation of individuals authorized to act on behalf the organization.(Contac No /E mail ID)	
6	Telephone No Mobile No. Fax E mail Id	
7	Has the bidder, or any constituent partner in case of partnership firm / limited company/ Joint venture, ever been convicted by the court of law? If so, give details.	
8	Confirm (Yes/ NO) that the Bidder has been banned OR delisted/blacklisted/ by/with any Government or Quasi Government agencies or Public Sector Units.	
9	Confirm (Yes/ NO) that Bidder is under Liquidation, court Receivership or similar proceedings / in legal dispute with any firm .	
10	Any other information considered necessary from your side but not included above.	
COMPETENT AUTHORITY NAME , SIGN & DATE WITH STAMP & SEAL OF ORGANIZATION		

INDEMNITY BOND

To,
The Director
NIAB - Hyderabad

Sub :- INDEMNITY BOND

It is confirmed that we the Bidder will sign the indemnity bond in case of award of contract/ signing of agreement for this proposed work.

The Contractor/Bidder must furnish Indemnity Bond confirming that the Contractor/Bidder hereby undertakes to indemnify the Institute and keep the Institute indemnified from time to time against any loss caused due to mishandling, mis- operating or improper maintenance etc. or damage caused to or suffered by the Institute by reason of any breach or breaches on the Contractor/Bidder's part of any of the Terms & Conditions contained in contract issued and in the event the Contractor/Bidder shall make any default or defaults in carrying out any of the works under the said Agreement or otherwise in observance or performance of any of the Terms & Conditions relating thereto in accordance with the true intent and meaning thereof, the Contractor/Bidder shall forthwith on demand and without demur pay to the Institute such sum or sums as may be claimed by the Institute as losses, damages, costs, charges or expenses by reason of such default or defaults on the Contractor/Bidder's part. This Indemnity shall continue and hold good until it is released by the Institute in writing on the Contractor/Bidder's application after expiry of relative Guarantee period of the Agreement and after the Contractor/Bidder has discharged all his obligations under the said Agreement and submitted a "NO DEMAND CERTIFICATE" from the Institute under the said Agreement. The Indemnity Bond shall be valid for a minimum period of CONTRACT PERIOD and renewable thereof (Claim Period).

COMPETENT AUTHORITY NAME , SIGN & DATE
WITH STAMP & SEAL OF ORGANIZATION

(FORM NO – 9)

BANK SOLVENCY CERTIFICATE

Note: - Banker's certificate should be on letter head of the Bank and should not be more than 06 months old from the date of publication of tender. Certificate taken for any other Project /NIT not be more than 06 months old from the date of publication of tender can be considered for this NIT.

Date:

To,
The Director
NIAB - Hyderabad

BANK SOLVENCY CERTIFICATE

We the **(Bank Name)** do hereby certify that **(Name of Firm)** having their Registered office at **(Registered Office Address)** is solvent to the extent of Rs. _____ in words _____) as disclosed by the information and records which are available with the aforesaid bank.

It is further notified that this certificate is being issued at the request of **(Name of Firm)** without attaching any risk and responsibility on our part in any respect whatsoever more particularly either as guarantor or otherwise.

Sign & Stamp of Bank Manager with date

MAJOR WORKS/SUPPLY OF SIMILAR REQUIRMENT COMPLETED

Please submit the following details as per format mentioned herewith.

- Select the year as per the date **of Purchase order falls in from Jan to Dec.**
- Work/Supply should have been executed by the firm under the name in which they are submitting the applications.
- Write NIL if no data is available in any of the following year.
- Attach PO copies as supporting document.

Format of major works completed.

PO date should fall in Jan to Dec period of above year. Please give details of each year separately as per this format

Year	Purchase/ Work order date and Number	Name of the Client	Cost of Order	Month/ year of completion	Name and address/telephon e number of officer to whom reference may be made	Remark if any
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						
2021 till Bid Submission End Date & time of this NIT						

BIDDER UNDERTAKING FOR COMPLIANCE TO NIT BID TERMS & FOLLOWING PROVISION OF THIS NIT

This is to certify that, I/We the Bidders have read all terms of this NIT & the below information/OM . I/we hereby declare that we will provide all information desired by NIAB competent authority in this regard at any stage of this procurement. In the event of failure to provide required information, submitted information being found false or incorrect at any stage, bid shall be liable to rejection/termination of accepted Bid/Order /any further action suitable in accordance of law of GOI.

SN.	<u>OM No. / Description</u>
1.	OM No F.No.6/18/2019-PPD dated 23rd/24th July 2020 (Public Procurement 1, 2 and 3) issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Eligibility of bidders from specified countries
2.	OM No F.20\212014-PPD dated 25.07.2016 and subsequent clarifications dt 20.09.2016; 27.07.2019; 29.06.2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Relaxation of prior turnover and experience for Start-ups
3	OM No. F.9/4/2020-PPD dt e 12th November 2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Bid Security/ Earnest Money Deposit
4.	Public Procurement Policy for the Micro and Small Enterprises (MSEs) Order, 2012 and its amendments 09.11.2018 and any further change / Amendment w.r.t this OM regarding Purchase Preference and facilities to MSEs
5.	“Public Procurement (Preference to Make in India) Order 2017” (PPP-MII) of Department for Promotion of Industry and Internal Trade, (DPIIT - Public Procurement Section) as revised by No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 and any further change / Amendment w.r.t this OM regarding To encourage 'Make in India' and promote manufacturing and production of goods and services in India
6.	OM No. F.9/4/2020-PPD dt 12/11/2020 issued by Ministry of Finance, Department of Expenditure, Public Procurement Division and any further change / Amendment w.r.t this OM regarding Performance Security.

**COMPETENT AUTHORITY NAME, SIGN & DATE
WITH STAMP & SEAL OF ORGANIZATION**

Every care has been taken to ensure that the contents of this NIT are accurate and updated/ in compliance with latest rules, in case of any conflict between the provisions stipulated in this document and in GFR 2017 / The prevailing laws by GOI, Competent authority will follow the latest rules/laws/Amendment Rule applicable to NIAB issued by GOI. The decision of competent authority of NIAB will be treated as final in this regard/ Dispute if any. The Tender Inviting Authority (TIA) hereby confirms that while formulating the Tender Document (NIT), GFR & following regulations have been taken in to consideration and same will be applicable. Bidders must read, understand and participate for this NIT if following OM / Rules/Provision are compiled and accepted along with NIT terms. All these OM are available on internet if you search with OM number /description failing which you can send request to NIAB to email you any of this OM (if required). The competent authority reserves the right to ask all relevant the supporting documents from Bidder at any stage of Tender and BID will be rejected in case of failure to submit the required documents within stipulated time for compliance with any of following OM /Provision of GFR / Any applicable latest law / Rule issued by GOI applicable to NIAB.

PRICE BID FORMAT --- PRICE SCHEDULE 'A' & 'B'

(To be utilised by the bidders for quoting their prices).

- **Please remember this is Two Bid System.**
- **Don't Give Price Bid details an any of the document with technical BID.**
- **The following Price Bid will be uploaded only on CPPP in Cover – 2 -- Part -1 --Only Pride Bid.**

PRICE SCHEDULE 'A'

S.No	Description of Item	Proposed Make	Unit	Qty.	Unit Rate (incl All)	Cost (Incl All)	Final Total Amount (Rs)
A	Modular Partitions:						
1.0							
a	80 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery Cladding Panel to all Wall required		Sqmt	105			
b	100 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery		Sqmt	110			
c	100 mm thick double skin modular riser wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery		Sqmt	70			
d	80 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along with ceiling supports -Walkable ceiling panels Make: EPAC/GMP/ICLEAN/LLOYD/Equivalent manufactured by ISO 9001 company		Sqmt	315			
2.0	Clean room Panel Works						
	Supply and installation of view / glazed panels with flush design. The view panels providedwith 6mm thick float glass on both sides with flush design, necessary gaskets, food grade silicon sealants and all required accessories.						
a	Size: 900mm (W) x 900mm (H) x 50mm		Nos	10			

	Thick						
3.0	Ceiling Wall and Ceiling panels						
a	L Angular		Rmt	400			
B	Coving (wall to wall , wall to ceiling)		Rmt	400			
3.1	Clean Room Doors to flush with 50mm wall panel/Brick wall, Door frame 1.2 mm thick PCGI. Double glazed float 6 mm view glass, door closer, SS 'D' type handles on pull side, single side key operated locking arrangement, etc.						
a	Single Leaf: 750mm(W) X 2100mm (H)		Nos	21			
b	Single Leaf: 900mm(W) X 2100mm (H)		Nos	8			
c	Single Leaf: 1000mm(W) X 2100mm (H)		Nos	2			
d	Double Leaf: 1500mm(W) X 2100mm (H)		Nos	1			
e	Double Leaf: 1800mm(W) X 2100mm (H)		Nos	1			
f	Providing and fixing of PVC conduit 25mm in the wall panels		Rmt	90			
g	Cutouts in wall panel for Electrical sockets, switch boards, MGs, etc. (Approximate size 300x 200)		Nos	90			
	Make- DORMA/ICLEAN/ Equivalent						
Total Amount for Part A							
B	HVAC Works						
4.0	Air Handling Units Eurovent Certified-Grade D, C& B Areas with required static pressure, 3 levels of filtration, Bypass damper, Bleed Damper, Supply and Return air Aluminum VCDs with actuators, Fumigation arrangement. RH shall be maintained suitably by Electrical Heaters (Make: Flaktwoods, systemair Equivalent Any other Eurovent certified brands, ARI certified coils)						
a	Recirculation Unit 1400 CFM		No	1			
b	Recirculation Unit 3200 CFM		No	1			
c	Recirculation Unit 2600 CFM		No	1			
d	Recirculation Unit 2300 CFM		No	1			
e	Recirculation Unit 4100 CFM		No	1			
4.1	Air Handling Unit-Controlled Area						
a	Recirculation Unit 5400 CFM		No	1			
	Air Distribution system						
4.2	GSS rectangular ducting as per IS 277, IS 655, testing as per SMCNA, Factory fabricated, RTV Silicon sealant						
a	22SWG		Sqmt	100			
b	24SWG		Sqmt	800			
c	MS Angle Frames with black paint ISMA 25, 40		Kg	2000			

d	Fusible link type fire dampers for supply and return air ducting		Sqmt	4			
e	Fusible link UL 995 certified		No	12			
f	Duct Leak Testing with Positive Pressure Blower with 75Pa pressure						
4.3	Thermal insulation for ducting						
a	Supply air ducting with 19mm thick insulation Class O		Sqmt	500			
b	Supply air ducting with 13mm thick insulation Class O		Sqmt	500			
c	Joint Tape		Rmt	2000			
d	For exposed duct nitrile insulation with Aluminum cladding 24G		Sqmt	100			
4.4	Supply & Return Air terminals:						
a	GI Powder coated terminal modules without HEPA 610 X 610		Nos	40			
b	H-14 HEPA Filter Gel Seal type, Dimensions 610x610		Nos	40			
	All HEPA Filters Make: Freudenberg / AAF / Equivalent						
c	SS 304 Swirl plate Diffuser fixed type		Sqmt	24			
d	VCD MOC-18/20 SWG GI& Aluminum		Sqmt	10			
e	Suitable return air ducting along with SS 304 Grill for Return Risers		Sqmt	15			
4.5	<p>Cooling System (Aircooled Chiller 60 TR x 2 nos with Desuperheater, Stepless control mechanism, Shell and Tube Evaporator 6/13degC, Microprocessor based controller, with allsafeties, data on display system+B57) with MS Piping, AHU Manifolds with balancing, butterfly valves, bypass, y strainer, auto airvents, temperature and pressure gauges 1W+1S with pumps (Chiller Make: Trane / Daikin / York) (Pumps Make: Armstrong / Groundfos / Kirloskar)</p> <p>(Makes- PIPEs - Tata/Jindal, Butterfly valves – Honeywell, Advance / Zoloto, Ball valve - Zoloto, BDK, Microfinish, Giacomini 3- way control valve – Belimo, Danfoss, Siemens, Honeywell, Gauges - H guru, Baumer, Balancing valves - Advance, Danfoss, Y strainer - Sant, Leader)</p>		Lot	1			
Total Amount for Part B							
C	Civil Works						
4.6							
a	Dismantling of Existing Brick wall		Sqmt	60			
b	Removing of External single double Glass Windows and closing		Sqmt	50			
c	Removal of existing false ceiling		Sqmt	200			
d	Supply and construction of 9" Brick wall		Cum	10			
e	Plastering works		Sqmt	50			
f	Flooring		Sqmt	30			
g	Civil Coving wall to floor Thickness: 2"x2"		Rmt	80			

h	AHU Shed to cover all AHUs with Tubular construction to withstand wind loads with colorcoated sheet		Lot	1			
i	Drain/Plumbing works		LS	1			
4.7	Structural steel		kgs	750			
a	Loading, Unloading, Supply, fabrication and installation of structural steel including drilling, cutting, welding etc. required for piping, cable tray support mounting frames and brackets etc. The rate shall also include painting with two coats of red oxide and two finishing coats of epoxy paint after proper surface pre-treatment of the structural steel. (TATA / JINDAL / SAIL)						
4.8	Coatings						
a	Polyurethane floor coatings with 3mm thick		Sqmt	50			
b	Polyurethane coving wall-floor		Rmt	420			
c	Polyurethane wall coating		Sqmt	300			
Total Amount for Part C							
D	Electrical Systems:						
4.9							
a	Electrical Main Panel – fabrication, Supply, Installation of floor mounted outdoor type cubical panels made out of 2mm thick CRCA MS sheet steel, all incomings/outgoings shall be arranged in suitable sized compartments, locking arrangement for each compartment, including interconnection and for future load enhancement with 1100v grade pvc insulated copper conductor busbar labelling, earthing, brass compression glands for incoming and outgoing cables, power coated painting etc		No	1			
b	Minimum requirements of Main panel- 400 Amps 4P MCCB 36KA -1no Indicators:- RYB incoming Earth fault Over current Over voltage Measurement:- KWH meter Incoming voltage Instantaneous Current Power Factor Switches: Switches with MCCB for each out going with indicators and recording meters		No	1			
c	AHU, Chiller and Pumps Panel with VFDs for motors VFD Make: Danfoss / Equivalent		No	1			
5.0	Cabling:						
	Supply & laying 1100V grade PVC/ XLPE insulated armored cables indoor/outdoor with Al/CU conductors as per specifications						

	complete with:						
	a) Cable clamps, brackets etc. on walls, columns, beams & the trenches.						
	b) Earthing the glands, armoring etc.						
a	3.5Cx300 sqmm Al. Cable	Rmt	250				
b	3.5Cx200 sqmm Al. Cable	Rmt	100				
c	3.5Cx95 sqmm Al. Cable	Rmt	300				
d	4Cx16 sqmm Copper. Cable	Rmt	200				
e	4Cx10sqmm Cu Cable	Rmt	100				
f	4Cx6sqmm Cu Cable	Rmt	1000				
	All Cables Make: Polycab / Finolex / Legrand/ Equivalent						
5.1	Lighting & Cleanroom Electrical Works						
a	Supply and fixing of LED light fittings 42W, surface mounted accessible from bottom, electronic ballast IP55	No	50				
b	Supply and fixing of LED light fittings 18W, surface mounted accessible from bottom, electronic ballast IP55	No	15				
	All Lights Make: Wipro/ Philips / Havells / Crompton/ Equivalent						
c	Supply, wiring, testing, and commissioning of primary light point with 3 runs of 2.5 sqmm 650 V grade ISI marked FRLS PVC insulated copper multistranded conductor wires to be laid in suitable size PVC conduits including supply and fixing complete as required at site.						
d	1Point Controlled by 1Way 6A Switch	Points	20				
e	2Point Controlled by 1Way 6A Switch	Points	24				
5.2	Wiring for inside cleanroom power points						
a	Supply, laying, end termination and commissioning of 2R of 4 Sq.mm. with 1R 2.5 Sq.mm PVC insulated multistranded FRLS copper wires in PVC conduits concealed in wall / flooring and necessary clamps screws etc., from PDB to 5/15A Power Sockets / 5A sockets.	Points	50				
b	Supply, installation, and commissioning of 16 A, 5Pin, IP-55 surface mounting interlocking	Nos	10				
c	Supply, installation, and commissioning of 32 A, 5Pin, IP-55 surface mounting.	Nos	5				
d	Supply and fixing of 4modular top plates for light switch boards	Nos	20				
e	Supply and fixing of 3modular top plates for light switch boards	Nos	10				
f	Supply and fixing of 6way TPN Distribution board Double door	Nos	2				

g	Supply and fixing of 8way TPN Distribution board Double door		Nos	4			
h	Supply and fixing of 16A single pole MCB switch		Nos	60			
i	Supply and fixing of 63A four pole MCCB switch		Nos	10			
j	Supply and fixing of 32A four pole MCB switch		Nos	5			
5.3	Cable Trays						
a	300 mm wide single horizontal/ vertical tier		Lot	1			
b	150 mm wide single horizontal/ vertical tier		Lot	1			
5.4	EARTHING SYSTEM						
a	Earth Pit Cu / flat		Nos	4			
b	25 x 6mm Cu Strip		Rmt	200			
c	8 SWG Cu. Wire		Rmt	200			
5.5	<p>DG SET 72 Supply, installation, Testing, loading, unloading, insurance, freight & commissioning of 250 kVA DG Set with inbuilt AMF Panel having sound proof canopy etc complete as detailed below suitable for outdoor application Set 1 DIESEL ENGINE: Engine with electric start, turbocharged four stroke engine developing 144 kW @1500 RPM under NTP conditions confirming to BS 5514. The engine will be fitted with the following standard accessories ALTERNATOR: 250 kVA, 3 Phase alternator of self-excited, self-regulated screen protected drip proof developing rated output at 415V, 0.8 P.f. 50 Hz when running at 1500 RPM at NTP conditions and conforming to the IS 4722 Standards. ACOUSTIC ENCLOSURE: RTU Acoustic Enclosure meeting CPCB II noise regulations with sound level not exceeding 75 dBA @ one meter distance. Acoustic enclosure having integrated Base Frame, AVM Pads & Fuel Tank, AMF panel. Fuel Tank capacity of min 300 Ltrs complete with air vent, inlet and outlet connection etc. BATTERIES: Full charged 2 Nos. 12V of suitable size dry batteries with leads for electric starting. Make- Exide/ Quanta/ Equivalent as per OEM std OUTDOOR TYPE STANDARD DOUBLE TYPE CONTACTOR AMF CONTROL PANEL: Control panel consists of the following 1. Suitable rated MCCB's- As per OEM standards 1. Engine Control Unit (ECU) 2. Current Transformer set, Multifunction meter showing KwH, Voltage, Frequency, Current, PF etc. 3. Indicating Lamps 4. Set Running & Load on Set with standard safeties, indications, alaram, tripping etc.5. Control panel viewing panel etc. Misc. work- It includes Unloading positioning, all electrical related work like</p>		Set	1			

	cablings, and its termination, supply of DB panel, Change over Panel, filling of full tank Diesel for commissioning the DG set Civil PCC foundation- Providing of concrete based civil foundation work for bed size min.150mm above ground level to mount the DG set complete with all necessary and masonry work, EXHAUST SYSTEMS-Supply & Installation of CLASS B MS Pipe 5" or as per OEM Stands, Insulation & Cladding for above exhaust pipe approx. 25 mtr length including MS support structure required for holding the Exhaust pipe etc complete job. EARTHING - SITC of 4 nos. includes Charcoal, Salt, CI Plate, GI Strip, Funnel & Pipe, Lugs Copper, Nut Bolt (SS), providing & termination for Earthing, Power, Sensing, Looping cables as per site requirement etc. Complete Job Any other items which is not specifically included in scope of work etc. Complete Job Make: Kirloskar / Cummins / GMMCO						
Total Amount for Part D							
E	LAB Equipment						
6.0	Garment Washing Room						
a	SS 304 Table, 1200 x 750 mm		Nos	1			
b	Storage Cabinet SS 304, 1200 x 450mm		Nos	1			
c	Garment transfer cart with cloth bag SS 304 size 600x600x900mm (LxBxH) with wheels		Nos	1			
d	Waste bin SS 304 size 600x600x900mm (LxBxH) with wheels		Nos	1			
6.1	MICROBIOLOGY ENTRYCHANGE ROOM						
a	SS 304 Garment cabinet, 900 x 450mm		Nos	1			
b	SS 304 Cross over bench with shoe rack, 1425 x 300mm		Nos	1			
c	Waste bin (Used garment bin) SS 304 size 600x600x900mm (LxBxH)		Nos	1			
d	Disinfectant stand (Wall mount) SS 304		Nos	1			
6.2	BET AND LBPC ROOM						
a	Dry heat Sterilizer, 90Lts		Nos	1			
b	Vertical LAF SS 304, 1200x800mm		Nos	1			
c	Visual Inspection Hood size 900x600x900mm (LxBxH)		Nos	1			
d	Anti-vibration table SS 304 size 900x600x900mm (LxBxH)		Nos	1			
e	Cooling chamber (2-8°C) 400 -1000 Ltrs		Nos	1			
6.3	CHANGE ROOM – 1 CULTURE HANDLING						
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)		Nos	1			
b	Disinfectant stand (Wall mount)		Nos	1			
6.4	CHANGE ROOM – 2 CULTURE HANDLING						
a	Sterile garment cubicle SS 304 (with HEPA), 1200 x 450 mm		Nos	1			

b	SS Cross over bench without shoe rack SS 304 size 900x450x600mm (LxBxH)		Nos	1			
c	Disinfectant stand (Wall mount) SS 304		Nos	1			
d	SS polished mirror SS 304 size 600x1200mm (WxH)		Nos	1			
6.5	CULTURE HANDLING AREA						
a	Bio-safety cabinet, 1300 x 700mm Type II A2 complies to NSF49 standard		Nos	1			
b	Dynamic pass box inner dimension 600 x 600 x 1300 mm SS 304		Nos	1			
c	Leak test apparatus		Nos	1			
6.6	CHANGE ROOM -1 (STERILITY TESTING AREA – 2)						
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)		Nos	1			
b	Disinfectant stand (Wall mount) SS 304		Nos	1			
6.7	CHANGE ROOM - 2 (STERILITY TESTING AREA – 2)						
a	Sterile garment cubicle (with HEPA), 1200 x 450 mm SS 304		Nos	1			
b	SS Cross over bench without shoe rack, 1300 x 300 mm SS 304		Nos	1			
c	Disinfectant stand (Wall mount) SS 304		Nos	1			
d	SS polished mirror SS 304 size 600x1200mm (WxH)		Nos	1			
e	Waste bin SS 304 size 600x600x900mm (LxBxH)		Nos	1			
6.8	CHANGE ROOM - 3 (STERILITY TESTING AREA – 2)						
a	Disinfectant stand (Wall mount) SS 304		Nos	1			
b	Used garment bin SS 304 size 600x600x900mm (LxBxH)		Nos	1			
c	Waste bin SS 304 size 600x600x900 mm (LxBxH)		Nos	1			
6.9	STERILITY TESTING AREA – 2						
a	Horizontal LAF, 1220 x 800 mm SS 304		Nos	1			
b	Dynamic pass box, Inner dimensions 600X600X1300mm SS 304		Nos	1			
6.10	INTERIM MEDIA STORAGE						
a	Racks, SS slotted angle SS 304 size 900x600x1800mm (LxBxH) with 04 shelves and ground clearance(legs) of 150mm		Nos	1			
6.11	PLATE PREPARATION ROOM						
A	Horizontal LAF, 1220 x 800 mm SS 304		Nos	1			
6.12	MEDIA PREPARATION AND STERILIZATION ROOM						
a	Steam Sterilizer, 765 Lts, 3' x 3' x 3'; Horizontal sidings 304		Nos	1			
	SS 316L contact parts, Inbuilt Steam Sterilizer, Six point strip chart recorder, all sides SSpaneling, PLC/HIM system, fully automatic, Vacuum Pump						
6.13	COOL ZONE						
a	Trolley, 450 x 300 mm SS 304		Nos	2			

6.14	CHANGE ROOM - 1 (STERILITY TESTING AREA – 1)					
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
b	Disinfectant stand (Wall mount) SS 304	Nos	1			
6.15	CHANGE ROOM - 2 (STERILITY TESTING AREA – 1)					
a	Sterile garment cubicle (with HEPA), 1200 x 450 mm SS 304	Nos	1			
b	SS Cross over bench without shoe rack, 1100 x 300 mm SS 304	Nos	1			
c	Disinfectant stand (Wall mount) SS 304	Nos	1			
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1			
e	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
6.16	CHANGE ROOM - 3 (STERILITY TESTING AREA – 1)					
a	Disinfectant stand (Wall mount) SS 304	Nos	1			
b	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
c	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
6.17	STERILITY TESTING AREA – 1					
a	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1			
b	Dynamic pass box, 600X600X1300mm SS 304	Nos	1			
6.18	CHANGE ROOM (DECONTAMINATION, WASHING AND DRYING ROOM)					
a	Street Garment box 10 people, 600 x 600x 450mm	Nos	1			
b	Cross over bench SS 304 size 900x450x600mm (LxBxH)	Nos	1			
c	SS polished mirror SS 304 size 1200x600mm (LxBxH)	Nos	1			
6.19	DECONTAMINATION, WASHING AND DRYING ROOM					
a	Decontamination autoclave, 125 Ltrs, Vertical type, PLC based	Nos	1			
	Hot air oven In/out SS 304, GMP model, air circulation, Heating system, 0.5degC control accuracy, temperature uniformity 5to 10degC, microprocessor based control system, autotuning, printer interface, 21CFR part 11, electronic timer, IQ, OQ, PQ					
b	Hot Air Oven, 90Lts	Nos	1			
c	Hot Air Oven, 200Lts	Nos	1			
6.20	GLASSWARE STORAGE					
a	Closed almirahs, 1000x400x1800/1900mmht	Nos	1			
6.21	INCUBATORS					

	3" inch thick PUFF insulation, Air circulation, , Lighting, observation door, SS trays, Heating and Refrigeration system, Microprocessor based control system auto tuning type with digitaldisplay, GMP Model, 1degC temperature uniformity, 0.2degC Control accuracy, In/out SS 304, RS 485 communication port, CFR 21 Part 11, IQ, OQ, PQ						
a	BOD incubators (20-25°C), 800Lts		Nos	1			
b	BOD incubators (30-35°C), 800Lts		Nos	1			
c	BOD incubators (42-44°C), 400Lts		Nos	1			
d	BOD incubators (55-60°C), 400Lts		Nos	1			
e	Cooling chamber (2-8°C) 400 -1000 Lts		Nos	1			
6.22	OTHER EQUIPMENT'S						
a	SS Pressure vessels, 25 Ltrs with three openings on the lid for vent filter, one for inlet and one for sample pumping using air. Autoclavable and should bear 6 bar pressure.		Nos	1			
b	USP quality water storage vessel, SS 316L, 100Lts		Nos	1			
	Note: All SS furniture in 16, 18, SWG construction for various parts with best fabricationpractices, with Matt/Mirror finish						
Total Amount for Part E							
F	Safety System						
6.23	Door Interlock No touch indications, Emergency push						
a	5 Door Interlocking system		Set	2			
b	3 Door Interlocking system		Set	1			
c	2 Door Interlocking system		Set	2			
6.24	Access Control with face detection/Iris based (Make: Honeywell / Siemens/ Equivalent)		Set	1			
6.25	CC Camera System with 3 cameras, NVR (Make: Honeywell / Bosch/ Equivalent)		Set	1			
6.26	PA System		Set	1			
6.27	Fire/Smoke Detection Alarm with annunciation panel connecting with existing one (Make: Honeywell / Siemens / Apollo / Equivalent)		Set	1			
Total Amount for Part F							
7.0	Area Temperature, Rh, DP monitoring system (EMS), Controlling system (BMS with DDC control based) along with licensed server (Min 10years warranty) Duct mounted Temp, Rh Sensors, VFD, DP switch,air velocity sensor, Cleanroom Display for Temp, Rh, DP. Required suitable PC,Printer and any other related items to be supplied		Set	1			

8.0	Testing and Certification: Validation, Commissioning, documentation, and regular testing. For All Equipment's, IQ, OQ, PQ to be provided		Set	1			
Final Total Cost inclusive of all taxes, duties, any other charges up to NIAB for supply installation, testing validation, completion of this Project all-inclusive as per this NIT) WARRANTY – ONE YEAR OR STANDARD WARRANTY WHICHEVER IS HIGHER							

Cost of any other item Suitable/suggested by vendor which is not mentioned in BOQ/NIT .

Sr No	Description	Proposed make	Accounting Unit	Cost per unit (RS)

Note:

Bidder can quote separately any other item suitable/suggested after site visit which is not mentioned in BOQ/NIT. Consideration of any such item will be decided by competent authority of NIAB. That suggestion will not be part of any evaluation.

PRICE SCHEDULE 'B' --- WARRANTY & AMC

WARRANTY FOR THIS PROJECT IS ONE YEAR OR STANDARD WARRANTY WHICHEVER IS HIGHER .

AMC AFTER COMPLETION WARRANTY

AMC Without any parts/spares-- ONLY SERVICE/ MAINTENANCE SUPPORT)

(ONLY SERVICE VISIT & PREVENTIVE MAINTENANCE , VALIDATION / CALIBRATION ETC

AMC After completion of Standard Warranty period / As per NIT	Cost in RS (Incl all taxes)	Remark if any
1 st yr of -- AMC		
2 nd yr of -- AMC		
3 rd yr of -- AMC		

COMPETENT AUTHORITY NAME , SIGN & DATE
WITH STAMP & SEAL OF ORGANIZATION

DECLARATION TO BE SUBMITTED

I /We the undersigned have read and considered all the above points carefully as per Chapter -3 before preparing the bid and noted all the points. The price bid will be prepared considering all the above points. The best possible break up of all the prices unit and total up to delivery and installation of the item in tender up to NIAB premise / location for delivery , standard & Extra Warranty , AMC has been mentioned in price bid. Prices quoted shall remain fixed during the entire period of contract and shall not be subject to variation on any account.

Competent authority sign , date with stamp & seal of organization

IMPORTANT POINT FOR PRICE BID

Firm must submit itemise Quotation on their letterhead & upload it in Cover 2 - Part - 1 (Price Bid = Detail Quotation on firm's Letterhead giving full cost, tax details (all in detail) for the requirement mentioned in NIT in their own format but must give all details including tax etc all cost up to NIAB. BOQ must be submitted in Cover -2 - Part- 2 , after carefully reading all the points mentioned therein in & final price as per your quotation.

The firm must submit both [PRICE SCHEDULE 'A' & PRICE SCHEDULE 'B'](#)

The final cost submitted as per BOQ on CPPP- Cover 2 - Part - 2 (.xl format) must be matching with PRICE SCHEDULE 'A' submitted on CPPP -Cover – 2 -- Part -1.(.pdf format)

1.DON'T SUBMIT PRICE DETAILS IN

**TECHINCAL BID OTHERWISE YOUR BID
WILL BE REJECTED.**

2.THIS IS TWO BID SYSTEM.

**3.TECHINCAL BID & PRICE BID. BOTH SHOULD
BE SUBMITTED IN DIFFERENT COVER ON
CPPP AS GIVEN IN THIS NIT.**

CHAPTER – 6

TECHNICAL BID COMPLIANCE FORM SPECIFICATION, OTHER REQUIREMENTS OF THIS NIT

TECHNICAL BID COMPLIANCE FORM

(MANDATORY TO SUBMIT)

TO BE UPLOADED ON CPPP COVER -1 PART -1

The Director,
National Institute of Animal Biotechnology (NIAB),
Opp. Journalist Colony, Near Gowlidoddy,
Extended Q City Road, Gachibowli, Hyderabad, Telangana, India -32

Sir,

Please find attached technical compliance statement as required vide this Tender No _____ dt _____
For the item _____

S.No	Description of Item	Unit	Qty.	Proposed Make	Compliance (Yes/No) Bidder deviation (If any)	Catalogue // details of Supporting technical documents / brochure/Remark if any.
A	Modular Partitions:					
1.0						
a	80 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery Cladding Panel to all Wall required	Sqmt	105			
b	100 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery	Sqmt	110			
c	100 mm thick double skin modular riser wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery	Sqmt	70			
d	80 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along with ceiling supports -Walkable ceiling	Sqmt	315			

	panels Make: EPAC/GMP/ICLEAN/LLOYD/Equivalent manufactured by ISO 9001 company					
2.0	Clean room Panel Works					
	Supply and installation of view / glazed panels with flush design. The view panels provided with 6mm thick float glass on both sides with flush design, necessary gaskets, food grade silicon sealants and all required accessories.					
a	Size: 900mm (W) x 900mm (H) x 50mm Thick	Nos	10			
3.0	Ceiling Wall and Ceiling panels					
a	L Angular	Rmt	400			
B	Coving (wall to wall , wall to ceiling)	Rmt	400			
3.1	Clean Room Doors to flush with 50mm wall panel/Brick wall, Door frame 1.2 mm thick PCGI. Double glazed float 6 mm view glass, door closer, SS 'D' type handles on pull side, single side key operated locking arrangement, etc.					
a	Single Leaf: 750mm(W) X 2100mm (H)	Nos	21			
b	Single Leaf: 900mm(W) X 2100mm (H)	Nos	8			
c	Single Leaf: 1000mm(W) X 2100mm (H)	Nos	2			
d	Double Leaf: 1500mm(W) X 2100mm (H)	Nos	1			
e	Double Leaf: 1800mm(W) X 2100mm (H)	Nos	1			
f	Providing and fixing of PVC conduit 25mm in the wall panels	Rmt	90			
g	Cutouts in wall panel for Electrical sockets, switch boards, MGs, etc. (Approximate size 300x 200)	Nos	90			
	Make- DORMA/ICLEAN Equivalent					
B	HVAC Works					
4.0	Air Handling Units Eurovent Certified-Grade D, C& B Areas with required static pressure, 3 levels of filtration, Bypass damper, Bleed Damper, Supply and Return air Aluminum VCDs with actuators, Fumigation arrangement. RH shall be maintained suitably by Electrical Heaters (Make: Flaktwoods, systemair Equivalent Any other Eurovent certified brands, ARI certified coils)					
a	Recirculation Unit 1400 CFM	No	1			
b	Recirculation Unit 3200 CFM	No	1			
c	Recirculation Unit 2600 CFM	No	1			

d	Recirculation Unit 2300 CFM	No	1			
e	Recirculation Unit 4100 CFM	No	1			
4.1	Air Handling Unit-Controlled Area					
a	Recirculation Unit 5400 CFM	No	1			
	Air Distribution system					
4.2	GSS rectangular ducting as per IS 277, IS 655, testing as per SMCNA, Factory fabricated, RTV Silicon sealant					
a	22SWG	Sqmt	100			
b	24SWG	Sqmt	800			
c	MS Angle Frames with black paint ISMA 25, 40	Kg	2000			
d	Fusible link type fire dampers for supply and return air ducting	Sqmt	4			
e	Fusible link UL 995 certified	No	12			
f	Duct Leak Testing with Positive Pressure Blower with 75Pa pressure					
4.3	Thermal insulation for ducting					
a	Supply air ducting with 19mm thick insulation Class O	Sqmt	500			
b	Supply air ducting with 13mm thick insulation Class O	Sqmt	500			
c	Joint Tape	Rmt	2000			
d	For exposed duct nitrile insulation with Aluminum cladding 24G	Sqmt	100			
4.4	Supply & Return Air terminals:					
a	GI Powder coated terminal modules without HEPA 610 X 610	Nos	40			
b	H-14 HEPA Filter Gel Seal type, Dimensions 610x610	Nos	40			
	All HEPA Filters Make: Freudenberg / AAF / Equivalent					
c	SS 304 Swirl plate Diffuser fixed type	Sqmt	24			
d	VCD MOC-18/20 SWG GI& Aluminum	Sqmt	10			
e	Suitable return air ducting along with SS 304 Grill for Return Risers	Sqmt	15			
4.5	Cooling System (Aircooled Chiller 60 TR x 2 nos with Desuperheater, Stepless control mechanism, Shell and Tube Evaporator 6/13degC, Microprocessor based controller, with all safeties, data on display system+B57) with MS Piping, AHU Manifolds with balancing, butterfly valves, bypass, y strainer, auto airvents, temperature and pressure gauges 1W+1S with pumps (Chiller Make: Trane / Daikin / York) (Pumps Make: Armstrong / Grundfos / Kirloskar) (Makes- PIPES - Tata/Jindal, Butterfly valves – Honeywell, Advance / Zoloto, Ball valve - Zoloto, BDK, Microfinish, Giacomini 3- way control valve – Belimo, Danfoss, Siemens,	Lot	1			

	Honeywell, Gauges - H guru, Baumer, Balancing valves - Advance, Danfoss, Y strainer - Sant, Leader)					
C	Civil Works					
4.6						
a	Dismantling of Existing Brick wall	Sqmt	60			
b	Removing of External single double Glass Windows and closing	Sqmt	50			
c	Removal of existing false ceiling	Sqmt	200			
d	Supply and construction of 9" Brick wall	Cum	10			
e	Plastering works	Sqmt	50			
f	Flooring	Sqmt	30			
g	Civil Coving wall to floor Thickness: 2"x2"	Rmt	80			
h	AHU Shed to cover all AHUs with Tubular construction to withstand wind loads with colorcoated sheet	Lot	1			
i	Drain/Plumbing works	LS	1			
4.7	Structural steel	kgs	750			
a	Loading, Unloading, Supply, fabrication and installation of structural steel including drilling, cutting, welding etc. required for piping, cable tray support mounting frames and brackets etc. The rate shall also include painting with two coats of red oxide and two finishing coats of epoxy paint after proper surface pre-treatment of the structural steel. (TATA / JINDAL / SAIL)					
4.8	Coatings					
a	Polyurethane floor coatings with 3mm thick	Sqmt	50			
b	Polyurethane coving wall-floor	Rmt	420			
c	Polyurethane wall coating	Sqmt	300			
D	Electrical Systems:					
4.9						
a	Electrical Main Panel – fabrication,Supply,Installation of floor mounted outdoor type cubical panels made out of 2mm thick CRCA MS sheet steel,all incomings/outgoings shall be arranged in suitable sized compartments ,locking arrangement for each compartment ,including interconnection and for future load enhancement with 1100v grade pvc insulated copper conductor busbar labelling ,earthing ,brass compression glands for incoming and outgoing cables ,power coated painting etc	No	1			

b	Minimum requirements of Main panel- 400 Amps 4P MCCB 36KA -1no Indicators:- RYB incoming Earth fault Over current Over voltage Measurement:- KWH meter Incoming voltage Instantaneous Current Power Factor Switches: Switches with MCCB for each out going with indicators and recording meters	No	1			
c	AHU, Chiller and Pumps Panel with VFDs for motors VFD Make: Danfoss / Equivalent	No	1			
5.0	Cabling:					
	Supply & laying 1100V grade PVC/ XLPE insulated armored cables indoor/outdoor with Al/CU conductors as per specifications complete with:					
	a) Cable clamps, brackets etc. on walls, columns, beams & the trenches.					
	b) Earthing the glands, armoring etc.					
a	3.5Cx300 sqmm Al. Cable	Rmt	250			
b	3.5Cx200 sqmm Al. Cable	Rmt	100			
c	3.5Cx95 sqmm Al. Cable	Rmt	300			
d	4Cx16 sqmm Copper. Cable	Rmt	200			
e	4Cx10sqmm Cu Cable	Rmt	100			
f	4Cx6sqmm Cu Cable	Rmt	1000			
	All Cables Make: Polycab / Finolex / Legrand/ Equivalent					
5.1	Lighting & Cleanroom Electrical Works					
a	Supply and fixing of LED light fittings 42W, surface mounted accessible from bottom, electronic ballast IP55	No	50			
b	Supply and fixing of LED light fittings 18W, surface mounted accessible from bottom, electronic ballast IP55	No	15			
	All Lights Make: Wipro/ Philips / Havells / Crompton/ Equivalent					
c	Supply, wiring, testing, and commissioning of primary light point with 3 runs of 2.5 sqmm 650 V grade ISI marked FRLS PVC insulated copper multistranded conductor wires to be laid in suitable size PVC conduits including supply and fixing complete as					

	required at site.					
d	1Point Controlled by 1Way 6A Switch	Points	20			
e	2Point Controlled by 1Way 6A Switch	Points	24			
5.2	Wiring for inside cleanroom power points					
a	Supply, laying, end termination and commissioning of 2R of 4 Sq.mm. with 1R 2.5 Sq.mm PVC insulated multistranded FRLS copper wires in PVC conduits concealed in wall / flooring and necessary clamps screws etc., from PDB to 5/15A Power Sockets / 5A sockets.	Points	50			
b	Supply, installation, and commissioning of 16 A, 5Pin, IP-55 surface mounting interlocking	Nos	10			
c	Supply, installation, and commissioning of 32 A, 5Pin, IP-55 surface mounting.	Nos	5			
d	Supply and fixing of 4modular top plates for light switch boards	Nos	20			
e	Supply and fixing of 3modular top plates for light switch boards	Nos	10			
f	Supply and fixing of 6way TPN Distribution board Double door	Nos	2			
g	Supply and fixing of 8way TPN Distribution board Double door	Nos	4			
h	Supply and fixing of 16A single pole MCB switch	Nos	60			
i	Supply and fixing of 63A four pole MCCB switch	Nos	10			
j	Supply and fixing of 32A four pole MCB switch	Nos	5			
5.3	Cable Trays					
a	300 mm wide single horizontal/ vertical tier	Lot	1			
b	150 mm wide single horizontal/ vertical tier	Lot	1			
5.4	EARTHING SYSTEM					
a	Earth Pit Cu / flat	Nos	4			
b	25 x 6mm Cu Strip	Rmt	200			
c	8 SWG Cu. Wire	Rmt	200			
5.5	DG SET 72 Supply, installation, Testing, loading, unloading, insurance, freight & commissioning of 250 kVA DG Set with inbuilt AMF Panel having sound proof canopy etc complete as detailed below suitable for outdoor application Set 1 DIESEL ENGINE: Engine with electric start, turbocharged four stroke engine developing 144 kW @1500 RPM under NTP conditions confirming to BS 5514. The	Set	1			

	<p>engine will be fitted with the following standard accessories ALTERNATOR: 250 kVA, 3 Phase alternator of self-excited, self-regulated screen protected drip proof developing rated output at 415V, 0.8 P.f. 50 Hz when running at 1500 RPM at NTP conditions and conforming to the IS 4722 Standards. ACOUSTIC ENCLOSURE: RTU Acoustic Enclosure meeting CPCB II noise regulations with sound level not exceeding 75 dBA @ one meter distance. Acoustic enclosure having integrated Base Frame, AVM Pads & Fuel Tank, AMF panel. Fuel Tank capacity of min 300 Ltrs complete with air vent, inlet and outlet connection etc. BATTERIES: Full charged 2 Nos. 12V of suitable size dry batteries with leads for electric starting. Make- Exide/Quanta/ Equivalent as per OEM std OUTDOOR TYPE STANDARD DOUBLE TYPE CONTACTOR AMF CONTROL PANEL: Control panel consists of the following 1. Suitable rated MCCB's- As per OEM standards 1. Engine Control Unit (ECU) 2. Current Transformer set, Multifunction meter showing KwH, Voltage, Frequency, Current, PF etc. 3. Indicating Lamps 4. Set Running & Load on Set with standard safeties, indications, alaram, tripping etc.5. Control panel viewing panel etc. Misc. work- It includes Unloading positioning, all electrical related work like cabling, and its termination, supply of DB panel, Change over Panel, filling of full tank Diesel for commissioning the DG set Civil PCC foundation- Providing of concrete based civil foundation work for bed size min.150mm above ground level to mount the DG set complete with all necessary and masonry work, EXHAUST SYSTEMS- Supply & Installation of CLASS B MS Pipe 5" or as per OEM Stands, Insulation & Cladding for above exhaust pipe approx. 25 mtr length including MS support structure required for holding the Exhaust pipe etc complete job. EARTHING - SITC of 4 nos. includes Charcoal, Salt, CI Plate, GI Strip, Funnel & Pipe, Lugs Copper, Nut Bolt (SS), providing & termination for Earthing, Power, Sensing, Looping cables as per site requirement etc. Complete Job Any other items which is not specifically included in scope of work etc. Complete Job Make: Kirloskar / Cummins / GMMCO</p>					
E	LAB Equipment					

6.0	Garment Washing Room				
a	SS 304 Table, 1200 x 750 mm	Nos	1		
b	Storage Cabinet SS 304, 1200 x 450mm	Nos	1		
c	Garment transfer cart with cloth bag SS 304 size 600x600x900mm (LxBxH) with wheels	Nos	1		
d	Waste bin SS 304 size 600x600x900mm (LxBxH) with wheels	Nos	1		
6.1	MICROBIOLOGY ENTRYCHANGE ROOM				
a	SS 304 Garment cabinet, 900 x 450mm	Nos	1		
b	SS 304 Cross over bench with shoe rack, 1425 x 300mm	Nos	1		
c	Waste bin (Used garment bin) SS 304 size 600x600x900mm (LxBxH)	Nos	1		
d	Disinfectant stand (Wall mount) SS 304	Nos	1		
6.2	BET AND LBPC ROOM				
a	Dry heat Sterilizer, 90Lts	Nos	1		
b	Vertical LAF SS 304, 1200x800mm	Nos	1		
c	Visual Inspection Hood size 900x600x900mm (LxBxH)	Nos	1		
d	Anti-vibration table SS 304 size 900x600x900mm (LxBxH)	Nos	1		
e	Cooling chamber (2-8°C) 400 -1000 Ltrs	Nos	1		
6.3	CHANGE ROOM – 1 CULTURE HANDLING				
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1		
b	Disinfectant stand (Wall mount)	Nos	1		
6.4	CHANGE ROOM – 2 CULTURE HANDLING				
a	Sterile garment cubicle SS 304 (with HEPA), 1200 x 450 mm	Nos	1		
b	SS Cross over bench without shoe rack SS 304 size 900x450x600mm (LxBxH)	Nos	1		
c	Disinfectant stand (Wall mount) SS 304	Nos	1		
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1		
6.5	CULTURE HANDLING AREA				
a	Bio-safety cabinet, 1300 x 700mm Type II A2 complies to NSF49 standard	Nos	1		
b	Dynamic pass box inner dimension 600 x 600 x 1300 mm SS 304	Nos	1		
c	Leak test apparatus	Nos	1		
6.6	CHANGE ROOM -1 (STERILITY TESTING AREA – 2)				
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1		

b	Disinfectant stand (Wall mount) SS 304	Nos	1			
6.7	CHANGE ROOM - 2 (STERILITY TESTING AREA – 2)					
a	Sterile garment cubicle (with HEPA), 1200 x 450 mm SS 304	Nos	1			
b	SS Cross over bench without shoe rack, 1300 x 300 mm SS 304	Nos	1			
c	Disinfectant stand (Wall mount) SS 304	Nos	1			
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1			
e	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
6.8	CHANGE ROOM - 3 (STERILITY TESTING AREA – 2)					
a	Disinfectant stand (Wall mount) SS 304	Nos	1			
b	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
c	Waste bin SS 304 size 600x600x900 mm (LxBxH)	Nos	1			
6.9	STERILITY TESTING AREA – 2					
a	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1			
b	Dynamic pass box, Inner dimensions 600X600X1300mm SS 304	Nos	1			
6.10	INTERIM MEDIA STORAGE					
a	Racks, SS slotted angle SS 304 size 900x600x1800mm (LxBxH) with 04 shelves and ground clearance(legs) of 150mm	Nos	1			
6.11	PLATE PREPARATION ROOM					
A	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1			
6.12	MEDIA PREPARATION AND STERILIZATION ROOM					
a	Steam Sterilizer, 765 Lts, 3' x 3' x 3'; Horizontal sidings 304	Nos	1			
	SS 316L contact parts, Inbuilt Steam Sterilizer, Six point strip chart recorder, all sides SSpaneling, PLC/HIM system, fully automatic, Vacuum Pump					
6.13	COOL ZONE					
a	Trolley, 450 x 300 mm SS 304	Nos	2			
6.14	CHANGE ROOM -1 (STERILITY TESTING AREA – 1)					
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			

b	Disinfectant stand (Wall mount) SS 304	Nos	1			
6.15	CHANGE ROOM - 2 (STERILITY TESTING AREA – 1)					
a	Sterile garment cubicle (with HEPA), 1200 x 450 mm SS 304	Nos	1			
b	SS Cross over bench without shoe rack, 1100 x 300 mm SS 304	Nos	1			
c	Disinfectant stand (Wall mount) SS 304	Nos	1			
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1			
e	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
6.16	CHANGE ROOM - 3 (STERILITY TESTING AREA – 1)					
a	Disinfectant stand (Wall mount) SS 304	Nos	1			
b	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
c	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1			
6.17	STERILITY TESTING AREA – 1					
a	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1			
b	Dynamic pass box, 600X600X1300mm SS 304	Nos	1			
6.18	CHANGE ROOM (DECONTAMINATION, WASHING AND DRYING ROOM)					
a	Street Garment box 10 people, 600 x 600x 450mm	Nos	1			
b	Cross over bench SS 304 size 900x450x600mm (LxBxH)	Nos	1			
c	SS polished mirror SS 304 size 1200x600mm (LxBxH)	Nos	1			
6.19	DECONTAMINATION, WASHING AND DRYING ROOM					
a	Decontamination autoclave, 125 Ltrs, Vertical type, PLC based	Nos	1			
	Hot air oven In/out SS 304, GMP model, air circulation, Heating system, 0.5degC control accuracy, temperature uniformity 5to 10degC, microprocessor based control system, autotuning, printer interface, 21CFR part 11, electronic timer, IQ, OQ, PQ					
b	Hot Air Oven, 90Lts	Nos	1			
c	Hot Air Oven, 200Lts	Nos	1			
6.20	GLASSWARE STORAGE					

a	Closed almirahs, 1000x400x1800/1900mmht	Nos	1			
6.21	INCUBATORS					
	3" inch thick PUFF insulation, Air circulation, , Lighting, observation door, SS trays, Heating and Refrigeration system, Microprocessor based control system auto tuning type with digital display, GMP Model, 1degC temperature uniformity, 0.2degC Control accuracy, In/out SS 304, RS 485 communication port, CFR 21 Part 11, IQ, OQ, PQ					
a	BOD incubators (20-25°C), 800Lts	Nos	1			
b	BOD incubators (30-35°C), 800Lts	Nos	1			
c	BOD incubators (42-44°C), 400Lts	Nos	1			
d	BOD incubators (55-60°C), 400Lts	Nos	1			
e	Cooling chamber (2-8°C) 400 -1000 Lts	Nos	1			
6.22	OTHER EQUIPMENT'S					
a	SS Pressure vessels, 25 Ltrs with three openings on the lid for vent filter, one for inlet and one for sample pumping using air. Autoclavable and should bear 6 bar pressure.	Nos	1			
b	USP quality water storage vessel, SS 316L, 100Lts	Nos	1			
	Note: All SS furniture in 16, 18, SWG construction for various parts with best fabricationpractices, with Matt/Mirror finish					
F	Safety System					
6.23	Door Interlock No touch indications, Emergency push					
a	5 Door Interlocking system	Set	2			
b	3 Door Interlocking system	Set	1			
c	2 Door Interlocking system	Set	2			
6.24	Access Control with face detection/Iris based (Make: Honeywell / Siemens/ Equivalent)	Set	1			
6.25	CC Camera System with 3 cameras, NVR (Make: Honeywell / Bosch/ Equivalent)	Set	1			
6.26	PA System	Set	1			
6.27	Fire/Smoke Detection Alarm with annunciation panel connecting with existing one (Make: Honeywell / Siemens / Apollo / Equivalent)	Set	1			
7.0	Area Temperature, Rh, DP monitoring system (EMS), Controlling system (BMS with DDC control based) along with licensed server (Min 10years warranty)	Set	1			

	Duct mounted Temp, Rh Sensors, VFD, DP switch, air velocity sensor, Cleanroom Display for Temp, Rh, DP. Required suitable PC, Printer and any other related items to be supplied					
8.0	Testing and Certification: Validation, Commissioning, documentation, and regular testing. For All Equipment's, IQ, OQ, PQ to be provided	Set	1			

******* Please note following very important points *******

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 must be provided. If any deviation is proposed by the Bidder, the same must be clearly indicated and enclosed as deviation as per given format. Compliance/Deviation statement comparing the specifications of the quoted model to the required specifications should also give the page number(s) of the technical literature where the relevant specification is mentioned. Bids must have supporting documents (technical literature or copies of relevant pages from the service manual or factory test data) for all the points of specification, failing this will result in rejection of bid. The technical committee can ask for demo in NIAB (if required at the time of technical evaluation). If bid participating firm fails to arrange for demo, it will result in rejection of the bid. In case of demo is to be arranged at different place other than NIAB, all the incidental expenses of this arrangement has to borne by the bid participating firm. No Queries will be entertained for waive off for demo as it is in utmost interest of the organisation to make correct procurement as per end user requirement and use public fund in correct manner with avoid of risk of purchase of substandard material. As specification is essence of this purchase no compromise will be made in ascertaining the right quality of product as per requirement for NIAB. Your Bid will be summarily rejected if this TECHNICAL BID COMPLIANCE FORM along with supporting technical documents are not submitted.

TECHNICAL SPECIFICATION AS PER CHAPTAR -6

Name of the Work / Project: - Supply, installation, testing and commissioning of Clean Room vaccine testing facility at NIAB Hyderabad as per this NIT & (further amendments if any)

The scope under the contract shall cover and include the following works to be executed on 'Turnkey Basis' as per this NIT & BOQ which includes a) Dismantling and finishing works (Civil works) b) Cleanroom partitions. c) HVAC system. d) Electrical works e) Building Management System (BMS) f) CCTV g) Intercom & LAN h) Access control system i) Fire alarm system j) Validation of the facility, k) Lab equipment's (as per BOQ) l) Sinks, Water and drain piping only ,m) PU Flooring. & any minor work for such facility.

Please read following BOQ and this NIT terms carefully and submit your bid item wise in two bid system.

BOQ

S.No	Description of Item	Unit	Qty.
A	Modular Partitions:		
1.0			
a	80 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery Cladding Panel to all Wall required	Sqmt	105
b	100 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery	Sqmt	110
c	100 mm thick double skin modular riser wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along the periphery	Sqmt	70
d	80 mm thick double skin modular wall panel system made of 0.6 mm thick powder coated GI sheets on both sides with PUF as infill of density 40±2 kg/m ³ , Aluminum Profiles for reinforcement along with ceiling supports -Walkable ceiling panels Make: EPAC/GMP/ICLEAN/LLOYD/Equivalent manufactured by ISO 9001 company	Sqmt	315
2.0	Clean room Panel Works		
	Supply and installation of view / glazed panels with flush design. The view panels providedwith 6mm thick float glass on both sides with flush design, necessary gaskets, food grade silicon sealants and all required accessories.		
a	Size: 900mm (W) x 900mm (H) x 50mm Thick	Nos	10
3.0	Ceiling Wall and Ceiling panels		
a	L Angular	Rmt	400
B	Coving (wall to wall , wall to ceiling)	Rmt	400

3.1	Clean Room Doors to flush with 50mm wall panel/Brick wall, Door frame 1.2 mm thick PCGI. Double glazed float 6 mm view glass, door closer, SS 'D' type handles on pull side, single side key operated locking arrangement, etc.		
a	Single Leaf: 750mm(W) X 2100mm (H)	Nos	21
b	Single Leaf: 900mm(W) X 2100mm (H)	Nos	8
c	Single Leaf: 1000mm(W) X 2100mm (H)	Nos	2
d	Double Leaf: 1500mm(W) X 2100mm (H)	Nos	1
e	Double Leaf: 1800mm(W) X 2100mm (H)	Nos	1
f	Providing and fixing of PVC conduit 25mm in the wall panels	Rmt	90
g	Cutouts in wall panel for Electrical sockets, switch boards, MGs, etc. (Approximate size 300x 200)	Nos	90
	Make- DORMA/ICLEAN/ Equivalent		
B	HVAC Works		
4.0	Air Handling Units Eurovent Certified-Grade D, C& B Areas with required static pressure, 3 levels of filtration, Bypass damper, Bleed Damper, Supply and Return air Aluminum VCDs with actuators, Fumigation arrangement. RH shall be maintained suitably by Electrical Heaters (Make: Flaktwoods, systemair Equivalent Any other Eurovent certified brands, ARI certified coils)		
a	Recirculation Unit 1400 CFM	No	1
b	Recirculation Unit 3200 CFM	No	1
c	Recirculation Unit 2600 CFM	No	1
d	Recirculation Unit 2300 CFM	No	1
e	Recirculation Unit 4100 CFM	No	1
4.1	Air Handling Unit-Controlled Area		
a	Recirculation Unit 5400 CFM	No	1
	Air Distribution system		
4.2	GSS rectangular ducting as per IS 277, IS 655, testing as per SMCNA, Factoryfabricated, RTV Silicon sealant		
a	22SWG	Sqmt	100
b	24SWG	Sqmt	800
c	MS Angle Frames with black paint ISMA 25, 40	Kg	2000
d	Fusible link type fire dampers for supply and return air ducting	Sqmt	4
e	Fusible link UL 995 certified	No	12
f	Duct Leak Testing with Positive Pressure Blower with 75Pa pressure		
4.3	Thermal insulation for ducting		
a	Supply air ducting with 19mm thick insulation Class O	Sqmt	500
b	Supply air ducting with 13mm thick insulation Class O	Sqmt	500
c	Joint Tape	Rmt	2000
d	For exposed duct nitrile insulation with Aluminum cladding 24G	Sqmt	100

4.4	Supply & Return Air terminals:		
a	GI Powder coated terminal modules without HEPA 610 X 610	Nos	40
b	H-14 HEPA Filter Gel Seal type, Dimensions 610x610	Nos	40
	All HEPA Filters Make: Freudenberg / AAF / Equivalent		
c	SS 304 Swirl plate Diffuser fixed type	Sqmt	24
d	VCD MOC-18/20 SWG GI& Aluminum	Sqmt	10
e	Suitable return air ducting along with SS 304 Grill for Return Risers	Sqmt	15
4.5	Cooling System (Aircooled Chiller 60 TR x 2 nos with Desuperheater, Stepless control mechanism, Shell and Tube Evaporator 6/13degC, Microprocessor based controller, with allsafeties, data on display system+B57) with MS Piping, AHU Manifolds with balancing, butterfly valves, bypass, y strainer, auto airvents, temperature and pressure gauges 1W+1S with pumps (Chiller Make: Trane / Daikin / York) (Pumps Make: Armstrong / Groundfos / Kirloskar) (Makes- PIPEs - Tata/Jindal, Butterfly valves – Honeywell, Advance / Zoloto, Ball valve - Zoloto, BDK, Microfinish, Giacomini 3- way control valve – Belimo, Danfoss, Siemens, Honeywell, Gauges - H guru, Baumer, Balancing valves - Advance, Danfoss, Y strainer - Sant, Leader)	Lot	1
C	Civil Works		
4.6			
a	Dismantling of Existing Brick wall	Sqmt	60
b	Removing of External single double Glass Windows and closing	Sqmt	50
c	Removal of existing false ceiling	Sqmt	200
d	Supply and construction of 9" Brick wall	Cum	10
e	Plastering works	Sqmt	50
f	Flooring	Sqmt	30
g	Civil Coving wall to floor Thickness: 2"x2"	Rmt	80
h	AHU Shed to cover all AHUs with Tubular construction to withstand wind loads with colorcoated sheet	Lot	1
i	Drain/Plumbing works	LS	1
4.7	Structural steel	kgs	750
a	Loading, Unloading, Supply, fabrication and installation of structural steel including drilling, cutting, welding etc. required for piping, cable tray support mounting frames and brackets etc. The rate shall also include painting with two coats of red oxide and two finishing coats of epoxy paint after proper surface pre-treatment of the structural steel. (TATA / JINDAL / SAIL)		
4.8	Coatings		
a	Polyurethane floor coatings with 3mm thick	Sqmt	50
b	Polyurethane coving wall-floor	Rmt	420
c	Polyurethane wall coating	Sqmt	300

	Total Amount for Part C		
D	Electrical Systems:		
4.9			
a	Electrical Main Panel – fabrication, Supply, Installation of floor mounted outdoor type cubical panels made out of 2mm thick CRCA MS sheet steel, all incomings/outgoings shall be arranged in suitable sized compartments, locking arrangement for each compartment, including interconnection and for future load enhancement with 1100v grade pvc insulated copper conductor busbar labelling, earthing, brass compression glands for incoming and outgoing cables, power coated painting etc	No	1
b	Minimum requirements of Main panel- 400 Amps 4P MCCB 36KA -1no Indicators:- RYB incoming Earth fault Over current Over voltage Measurement:- KWH meter Incoming voltage Instantaneous Current Power Factor Switches: Switches with MCCB for each out going with indicators and recording meters	No	1
c	AHU, Chiller and Pumps Panel with VFDs for motors VFD Make: Danfoss / Equivalent	No	1
5.0	Cabling:		
	Supply & laying 1100V grade PVC/ XLPE insulated armored cables indoor/outdoor with Al/CU conductors as per specifications complete with:		
	a) Cable clamps, brackets etc. on walls, columns, beams & the trenches.		
	b) Earthing the glands, armoring etc.		
a	3.5Cx300 sqmm Al. Cable	Rmt	250
b	3.5Cx200 sqmm Al. Cable	Rmt	100
c	3.5Cx95 sqmm Al. Cable	Rmt	300
d	4Cx16 sqmm Copper. Cable	Rmt	200
e	4Cx10sqmm Cu Cable	Rmt	100
f	4Cx6sqmm Cu Cable	Rmt	1000
	All Cables Make: Polycab / Finolex / Legrand/ Equivalent		
5.1	Lighting & Cleanroom Electrical Works		
a	Supply and fixing of LED light fittings 42W, surface mounted accessible from bottom, electronic ballast IP55	No	50
b	Supply and fixing of LED light fittings 18W, surface mounted accessible from bottom, electronic ballast IP55	No	15

	All Lights Make: Wipro/ Philips / Havells / Crompton/ Equivalent		
c	Supply, wiring, testing, and commissioning of primary light point with 3 runs of 2.5 sqmm 650 V grade ISI marked FRLS PVC insulated copper multistranded conductor wires to be laid in suitable size PVC conduits including supply and fixing complete as required at site.		
d	1Point Controlled by 1Way 6A Switch	Points	20
e	2Point Controlled by 1Way 6A Switch	Points	24
5.2	Wiring for inside cleanroom power points		
a	Supply, laying, end termination and commissioning of 2R of 4 Sq.mm. with 1R 2.5 Sq.mm PVC insulated multistranded FRLS copper wires in PVC conduits concealed in wall / flooring and necessary clamps screws etc., from PDB to 5/15A Power Sockets / 5A sockets.	Points	50
b	Supply, installation, and commissioning of 16 A, 5Pin, IP-55 surface mounting interlocking	Nos	10
c	Supply, installation, and commissioning of 32 A, 5Pin, IP-55 surface mounting.	Nos	5
d	Supply and fixing of 4modular top plates for light switch boards	Nos	20
e	Supply and fixing of 3modular top plates for light switch boards	Nos	10
f	Supply and fixing of 6way TPN Distribution board Double door	Nos	2
g	Supply and fixing of 8way TPN Distribution board Double door	Nos	4
h	Supply and fixing of 16A single pole MCB switch	Nos	60
i	Supply and fixing of 63A four pole MCCB switch	Nos	10
j	Supply and fixing of 32A four pole MCB switch	Nos	5
5.3	Cable Trays		
a	300 mm wide single horizontal/ vertical tier	Lot	1
b	150 mm wide single horizontal/ vertical tier	Lot	1
5.4	EARTHING SYSTEM		
a	Earth Pit Cu / flat	Nos	4
b	25 x 6mm Cu Strip	Rmt	200
c	8 SWG Cu. Wire	Rmt	200
5.5	DG SET 72 Supply, installation, Testing, loading, unloading, insurance, freight & commissioning of 250 kVA DG Set with inbuilt AMF Panel having sound proof canopy etc complete as detailed below suitable for outdoor application Set 1 DIESEL ENGINE: Engine with electric start, turbocharged four stroke engine developing 144 kW @1500 RPM under NTP conditions confirming to BS 5514. The engine will be fitted with the following standard accessories	Set	1

	<p>ALTERNATOR: 250 kVA, 3 Phase alternator of self-excited, self-regulated screen protected drip proof developing rated output at 415V, 0.8 P.f. 50 Hz when running at 1500 RPM at NTP conditions and conforming to the IS 4722 Standards. ACOUSTIC ENCLOSURE: RTU Acoustic Enclosure meeting CPCB II noise regulations with sound level not exceeding 75 dBA @ one meter distance. Acoustic enclosure having integrated Base Frame, AVM Pads & Fuel Tank, AMF panel. Fuel Tank capacity of min 300 Ltrs complete with air vent, inlet and outlet connection etc. BATTERIES: Full charged 2 Nos. 12V of suitable size dry batteries with leads for electric starting. Make- Exide/Quanta/ Equivalent as per OEM std OUTDOOR TYPE STANDARD DOUBLE TYPE CONTACTOR AMF CONTROL PANEL: Control panel consists of the following</p> <p>1. Suitable rated MCCB's- As per OEM standards</p> <p>1. Engine Control Unit (ECU)</p> <p>2. Current Transformer set, Multifunction meter showing KwH, Voltage, Frequency, Current, PF etc.</p> <p>3. Indicating Lamps</p> <p>4. Set Running & Load on Set with standard safeties, indications, alarm, tripping etc.</p> <p>5. Control panel viewing panel etc.</p> <p>Misc. work- It includes Unloading positioning, all electrical related work like cabling, and its termination, supply of DB panel, Change over Panel, filling of full tank Diesel for commissioning the DG set Civil PCC foundation- Providing of concrete based civil foundation work for bed size min.150mm above ground level to mount the DG set complete with all necessary and masonry work, EXHAUST SYSTEMS- Supply & Installation of CLASS B MS Pipe 5" or as per OEM Stands, Insulation & Cladding for above exhaust pipe approx. 25 mtr length including MS support structure required for holding the Exhaust pipe etc complete job. EARTHING - SITC of 4 nos. includes Charcoal, Salt, CI Plate, GI Strip, Funnel & Pipe, Lugs Copper, Nut Bolt (SS), providing & termination for Earthing, Power, Sensing, Looping cables as per site requirement etc. Complete Job Any other items which is not specifically included in scope of work etc. Complete Job</p> <p>Make: Kirloskar / Cummins / GMMCO</p>		
E	LAB Equipment		
6.0	Garment Washing Room		
a	SS 304 Table, 1200 x 750 mm	Nos	1
b	Storage Cabinet SS 304, 1200 x 450mm	Nos	1
c	Garment transfer cart with cloth bag SS 304 size 600x600x900mm (LxBxH) with wheels	Nos	1
d	Waste bin SS 304 size 600x600x900mm (LxBxH) with wheels	Nos	1
6.1	MICROBIOLOGY ENTRYCHANGE ROOM		
a	SS 304 Garment cabinet, 900 x 450mm	Nos	1
b	SS 304 Cross over bench with shoe rack, 1425 x 300mm	Nos	1
c	Waste bin (Used garment bin) SS 304 size 600x600x900mm (LxBxH)	Nos	1
d	Disinfectant stand (Wall mount) SS 304	Nos	1

6.2	BET AND LBPC ROOM		
a	Dry heat Sterilizer, 90Lts	Nos	1
b	Vertical LAF SS 304, 1200x800mm	Nos	1
c	Visual Inspection Hood size 900x600x900mm (LxBxH)	Nos	1
d	Anti-vibration table SS 304 size 900x600x900mm (LxBxH)	Nos	1
e	Cooling chamber (2-8°C) 400 -1000 Ltrs	Nos	1
6.3	CHANGE ROOM – 1 CULTURE HANDLING		
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
b	Disinfectant stand (Wall mount)	Nos	1
6.4	CHANGE ROOM – 2 CULTURE HANDLING		
a	Sterile garment cubicle SS 304 (with HEPA), 1200 x 450 mm	Nos	1
b	SS Cross over bench without shoe rack SS 304 size 900x450x600mm (LxBxH)	Nos	1
c	Disinfectant stand (Wall mount) SS 304	Nos	1
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1
6.5	CULTURE HANDLING AREA		
a	Bio-safety cabinet, 1300 x 700mm Type II A2 complies to NSF49 standard	Nos	1
b	Dynamic pass box inner dimension 600 x 600 x 1300 mm SS 304	Nos	1
c	Leak test apparatus	Nos	1
6.6	CHANGE ROOM -1 (STERILITY TESTING AREA – 2)		
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
b	Disinfectant stand (Wall mount) SS 304	Nos	1
6.7	CHANGE ROOM - 2 (STERILITY TESTING AREA – 2)		
a	Sterile garment cubicle (with HEPA), 1200 x 450 mm SS 304	Nos	1
b	SS Cross over bench without shoe rack, 1300 x 300 mm SS 304	Nos	1
c	Disinfectant stand (Wall mount) SS 304	Nos	1
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1
e	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
6.8	CHANGE ROOM - 3 (STERILITY TESTING AREA – 2)		
a	Disinfectant stand (Wall mount) SS 304	Nos	1
b	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
c	Waste bin SS 304 size 600x600x900 mm (LxBxH)	Nos	1
6.9	STERILITY TESTING AREA – 2		
a	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1
b	Dynamic pass box, Inner dimensions 600X600X1300mm SS 304	Nos	1

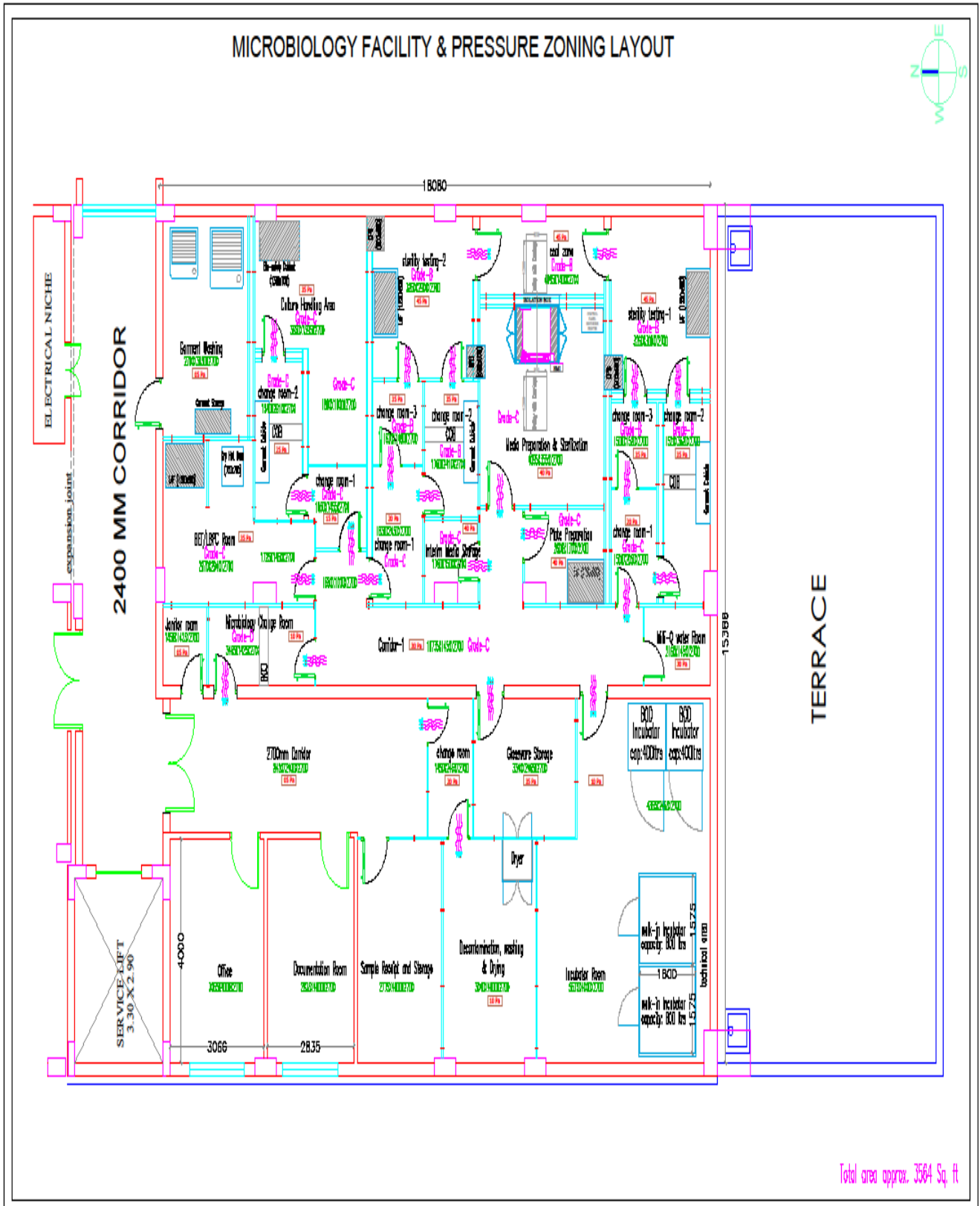
6.10	INTERIM MEDIA STORAGE		
a	Racks, SS slotted angle SS 304 size 900x600x1800mm (LxBxH) with 04 shelves and ground clearance(legs) of 150mm	Nos	1
6.11	PLATE PREPARATION ROOM		
A	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1
6.12	MEDIA PREPARATION AND STERILIZATION ROOM		
a	Steam Sterilizer, 765 Lts, 3' x 3' x 3'; Horizontal sidings 304	Nos	1
	SS 316L contact parts, Inbuilt Steam Sterilizer, Six point strip chart recorder, all sides SS paneling, PLC/HIM system, fully automatic, Vacuum Pump		
6.13	COOL ZONE		
a	Trolley, 450 x 300 mm SS 304	Nos	2
6.14	CHANGE ROOM -1 (STERILITY TESTING AREA – 1)		
a	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
b	Disinfectant stand (Wall mount) SS 304	Nos	1
6.15	CHANGE ROOM - 2 (STERILITY TESTING AREA – 1)		
a	Sterile garment cubicle (with HEPA), 1200 x 450 mm SS 304	Nos	1
b	SS Cross over bench without shoe rack, 1100 x 300 mm SS 304	Nos	1
c	Disinfectant stand (Wall mount) SS 304	Nos	1
d	SS polished mirror SS 304 size 600x1200mm (WxH)	Nos	1
e	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
6.16	CHANGE ROOM - 3 (STERILITY TESTING AREA – 1)		
a	Disinfectant stand (Wall mount) SS 304	Nos	1
b	Used garment bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
c	Waste bin SS 304 size 600x600x900mm (LxBxH)	Nos	1
6.17	STERILITY TESTING AREA – 1		
a	Horizontal LAF, 1220 x 800 mm SS 304	Nos	1
b	Dynamic pass box, 600X600X1300mm SS 304	Nos	1
6.18	CHANGE ROOM (DECONTAMINATION, WASHING AND DRYING ROOM)		
a	Street Garment box 10 people, 600 x 600x 450mm	Nos	1
b	Cross over bench SS 304 size 900x450x600mm (LxBxH)	Nos	1
c	SS polished mirror SS 304 size 1200x600mm (LxBxH)	Nos	1

6.19	DECONTAMINATION, WASHING AND DRYING ROOM		
a	Decontamination autoclave, 125 Ltrs, Vertical type, PLC based	Nos	1
	Hot air oven In/out SS 304, GMP model, air circulation, Heating system, 0.5degC control accuracy, temperature uniformity 5to 10degC, microprocessor based control system, auto tuning, printer interface, 21CFR part 11, electronic timer, IQ, OQ, PQ		
b	Hot Air Oven, 90Lts	Nos	1
c	Hot Air Oven, 200Lts	Nos	1
6.20	GLASSWARE STORAGE		
a	Closed almirahs, 1000x400x1800/1900mmht	Nos	1
6.21	INCUBATORS		
	3" inch thick PUFF insulation, Air circulation, , Lighting, observation door, SS trays, Heatingand Refrigeration system, Microprocessor based control system auto tuning type with digitaldisplay, GMP Model, 1degC temperature uniformity, 0.2degC Control accuracy, In/out SS 304, RS 485 communication port, CFR 21 Part 11, IQ, OQ, PQ		
a	BOD incubators (20-25°C), 800Lts	Nos	1
b	BOD incubators (30-35°C), 800Lts	Nos	1
c	BOD incubators (42-44°C), 400Lts	Nos	1
d	BOD incubators (55-60°C), 400Lts	Nos	1
e	Cooling chamber (2-8°C) 400 -1000 Lts	Nos	1
6.22	OTHER EQUIPMENT'S		
a	SS Pressure vessels, 25 Ltrs with three openings on the lid for vent filter, one for inlet and one for sample pumping using air. Autoclavable and should bear 6 bar pressure.	Nos	1
b	USP quality water storage vessel, SS 316L, 100Lts	Nos	1
	Note: All SS furniture in 16, 18, SWG construction for various parts with best fabricationpractices, with Matt/Mirror finish		
F	Safety System		
6.23	Door Interlock No touch indications, Emergency push		
a	5 Door Interlocking system	Set	2
b	3 Door Interlocking system	Set	1
c	2 Door Interlocking system	Set	2
6.24	Access Control with face detection/Iris based (Make: Honeywell / Siemens/ Equivalent)	Set	1
6.25	CC Camera System with 3 cameras, NVR (Make: Honeywell / Bosch/ Equivalent)	Set	1
6.26	PA System	Set	1
6.27	Fire/Smoke Detection Alarm with annunciation panel connecting with existing one (Make: Honeywell / Siemens / Apollo / Equivalent)	Set	1

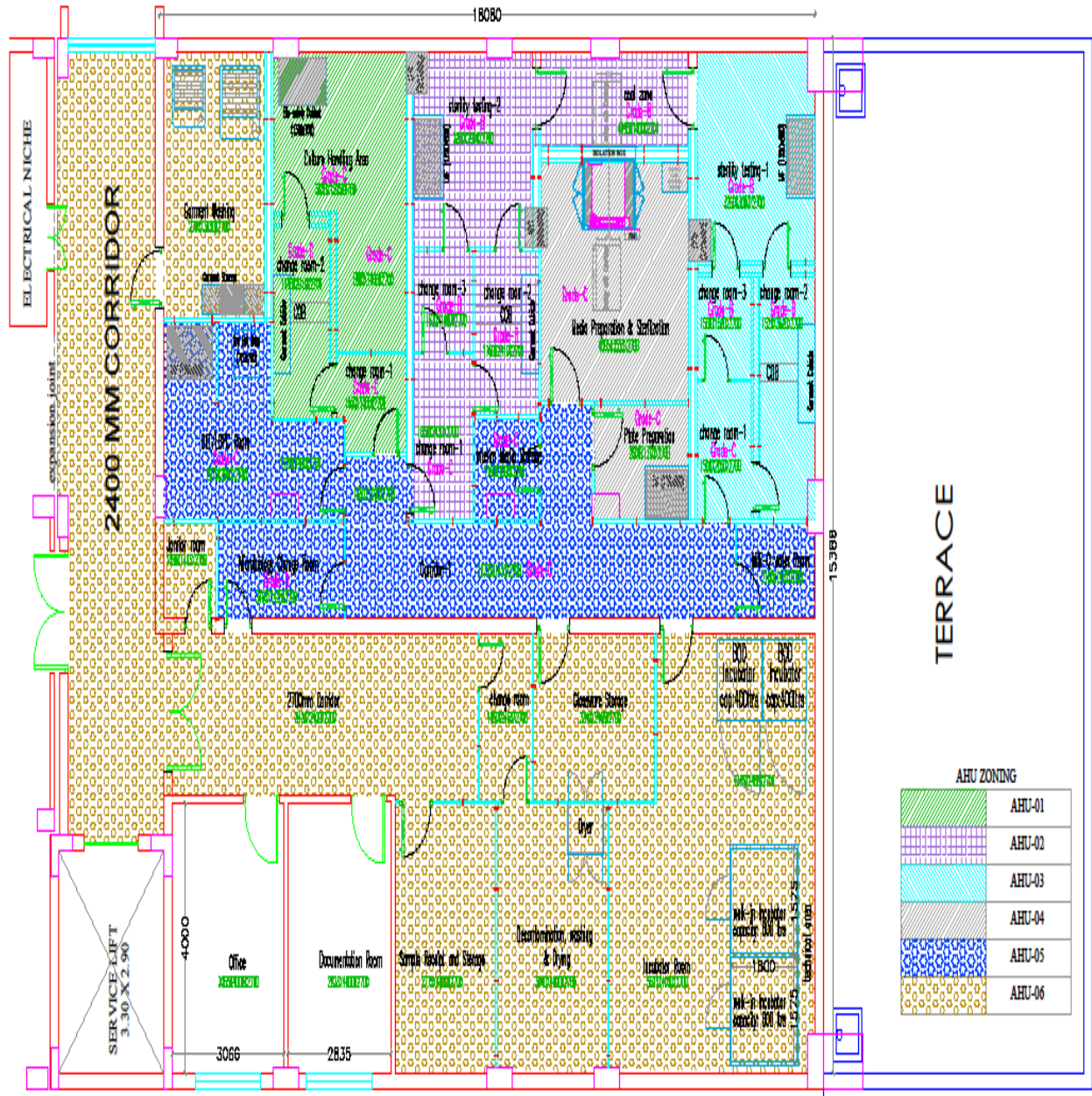
7.0	Area Temperature, Rh, DP monitoring system (EMS), Controlling system (BMS with DDC control based) along with licensed server (Min 10years warranty) Duct mounted Temp, Rh Sensors, VFD, DP switch,air velocity sensor, Cleanroom Display for Temp, Rh, DP. Required suitable PC,Printer and any other related items to be supplied	Set	1
8.0	Testing and Certification: Validation, Commissioning, documentation, and regular testing.For All Equipment's, IQ, OQ, PQ to be provided	Set	1

1. Final Total Cost inclusive of all taxes, duties, any other charges up to NIAB for supply installation, testing validation, completion of this Project all-inclusive as per this NIT) must be quoted.
2. WARRANTY – ONE YEAR OR STANDARD WARRANTY WHICHEVER IS HIGHER
3. Note: Bidder can quote separately any other item suitable/suggested after site visit which is not mentioned in BOQ/NIT. Consideration of any such item will be decided by competent authority of NIAB. That suggestion will not be part of any evaluation.

Few Drawings for basic information purpose .
 Bidders can use this for reference or propose the better alternative if any during pre-bid meeting.
 Pdf copy can be provided on request.

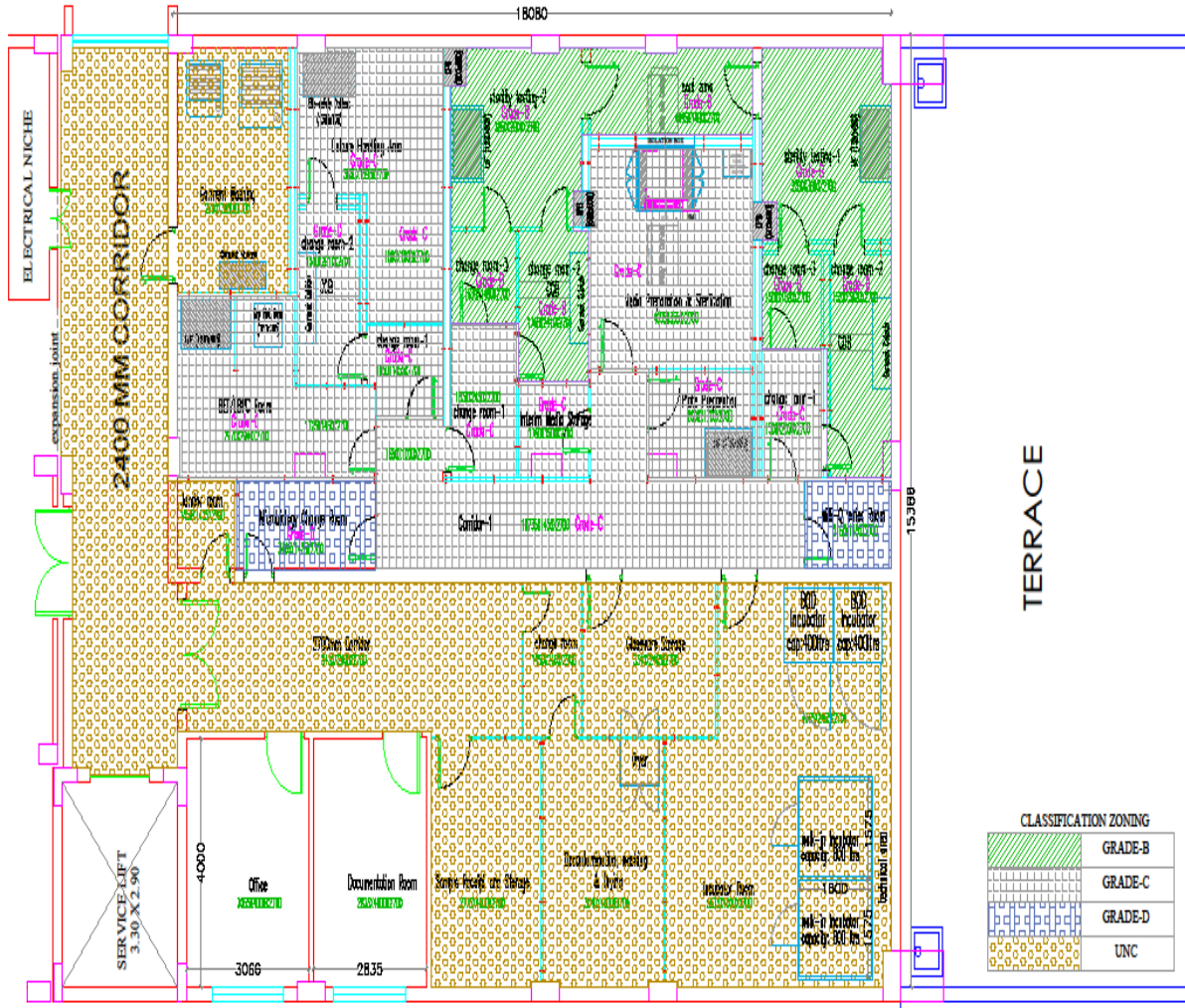


MICROBIOLOGY AHU ZONING LAYOUT



Total area approx. 3564 Sq. ft

MICROBIOLOGY AREA CLASSIFICATION LAYOUT



Total area approx. 3564 Sq. ft

OTHER IMPORTANT REQUIREMENTS WITH SPECIFICATION

1	PLEASE SUBMIT ALL THE CERTIFICATE/UNDERTAKING/ FORMS AS PER NIT FAILING WHICH YOUR BID CAN BE REJECTED AS PER COMPETENT AUTHORITY DECISION
2	BID PRICE MUST BE IN CURRENCY: - INR (THE INDIAN RUPEE) ONLY . In addition to PRICE SCHEDULE 'A', Firm must submit itemise Quotation on their letterhead & upload it in Cover 2 - Part - 1 (Price Bid = Detail Quotation on firm's Letterhead giving full cost, tax details (all in detail) for the requirement mentioned in NIT in their own format but must give all details including tax etc all cost up to NIAB. BOQ must be submitted in Cover -2 - Part- 2 , after carefully reading all the points mentioned therein in & final price as per your quotation. The BOQ final cost must be matching with your Quotation/Price Bid & PRICE SCHEDULE 'A' as per NIT submitted in Cover 2 - Part - 2 .
3	Please Quote your price in INR (THE INDIAN RUPEE) after considering following information about GST/Custom Duty Exemption. Necessary certificate will be provided by NIAB in this regard. National Institute of Animal Biotechnology is registered with the Department of Scientific and Industrial Research (DSIR) Vide Reg. No. TUN/RG-CDE (1175)/2020 dt 28-08-2020 valid up to 31.08.2025 for purposes of availing Customs Duty , GST exemptions in terms of Notfn. No. 51/96- Customs dt. 23 .07.1996, Notfn. No. 28/2003- Customs dt. 01.03 .2003, Notfn. No. 43/2017- Customs dt. 30.06.2017 & Notfu. No. 47/2017- Integrated Tax (Rate) dt. 14.11.2017, Notfn. No. 10/2018-Integrated Tax (Rate) dt. 25.01.2018 and Notfn. No. 45/2017- Central Tax (Rate) dt. 14.11.2017, Notfu. No. 45/2017- Union Territory Tax (Rate) dt. 14.11.2017 & Notfn. No. 9/2018- Central Tax (Rate) dt. 25 .01.2018, Notfn. No. 9/2018- Union Territory Tax (Rate) dt. 25.01.2018, as amended from time to time for research purposes only. Bidders Must CHECK & Quote CORRECT Applicable GST & Custom bonded warehouse price (if any) Duty Free/Concessional Duty as applicable as per rules/Notification as amended from time to time.
4	Only competent firm who can supply the material as per required specification should submit the Bid with supporting technical documents as the specification is essence of this procurement. Technical Bid Compliance Form and information/ important points mentioned therein as per tender document along with supporting documents, product brochure / technical literature/Catalogue / product website details (if any) must be submitted along with Bid. If this is not submitted as per format mentioned in this tender document, the bid will be rejected with the reason (Failing compliance of Specification/Tender important requirements) and no correspondence will be made to firm in this regard & No queries will be entertained in this regard from firm. Simply mentioning complied/yes without supporting documents will result in rejection of Bid and blacklisting of firm from future participation of NIAB tenders.
5	All the items required as per specification must be quoted as main offer. No hidden cost should be mentioned as optional accessories. Optional accessories (if any) which is not related with specification should be quoted separately. That will not be part of financial evaluation.
6	Local Service Support in Hyderabad (if any) with contact details & details of installations completed in Hyderabad of the similar model should be submitted along with your bid. Prompt after sales service should be available.
7	Extended Comprehensive Warranty (with spares& Service) for 3 years and AMC (without spares only service support) for 2 years should be quoted separately by the firm as per format given of price Bid as per Price Schedule B mentioned in this NIT.
8	If any brand name is mentioned in the specification it means that brand or substantially equivalent/ reputed brand can be quoted/ will be considered.
9	Few of the conditions/ forms in this document may not be applicable for Service/Work /Non-Scientific items requirement as per this tender. Write "NA" in any of the form wherever it is suitable/applicable as per bid submitting firm considering the requirement in tender.

(How to find NIAB tenders in CPPP website.)

You can find our tenders on CPPP website under following link and selection mentioned below

Go to website <https://eprocure.gov.in/eprocure/app> then click [Tenders by Organisation](#) and then click Organisation Name - -- **Department of Biotechnology**-- you will find NIAB Tenders.

Also Tender link is available on NIAB website.

Go to <http://www.niab.org.in/Default.aspx> then click (Tenders) then click ([The following tenders may be viewed on the website of Central Public Procurement Portal](#))

TENDER PROCESSING CHARGES Rs 1500 /- is mandatory for all firms and not exempted to any firm. This Tender document is free of cost and no tender fees is applicable. EMD exemption is as rules mentioned herein. Please read tender document carefully to avoid rejection of bid. No queries will be entertained for rejection of Bid due to non-following of terms and conditions of NIT.

PLEASE CHECK REQUIRED FORMS AS PER CHAPTER- 5 AND KEEP IT READY ON SCAN PDF COPY ON YOUR LETTERHEAD /STAMP SEAL OF ORGANISATION TO UPLOAD ON CPPP.

For any queries you can send E mail to us santosh@niab.org.in, spm@niab.org.in