



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Transit campus: Sree Rama Engineering College Campus, Rami Reddy Nagar,
Karakambadi Road, Mangalam (B.O), Tirupati - 517 507

Tender No: IISERT/PUR/0807/19

Date: 18th March 2020

Indian Institute of Science Education and Research, Tirupati invites online bids (e-tender) in two bids systems, from OEM/Authorized distributors/Authorized dealer for the following.

Brief Details of Tender:

Item Description	EMD (Rs).	Tender Fee (inclusive of all taxes) (Rs.)
Design ,supply, Installation and commissioning Laboratory Furniture at new campus Yerpedu	Rs. 15,75,000.00	Rs.1,000.00

The Tender Document can be downloaded from Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app> or Institute website www.iisertirupati.ac.in and bid is to be submitted **online only** through the E-procurement portal up to the last date and time of submission of tender.

Critical Dates of Tender

Sr. No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	18/03/2020	16:00 Hrs.
2	Pre-Bid Meeting Via Skype	26/03/2020	14:30 Hrs.
3	Bid Submission Start Date	27/03/2020	09:00 Hrs.
4	Bid Submission Close Date	15/04/2020	15:00 Hrs.
5	Closing date & time for Submission of original EMD & Tender Fee	15/04/2020	15:00 Hrs.
6	Opening of Technical Bids	16/04/2020	15:30 Hrs.

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-procurement portal).

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4200462, 0120-4001002, 91-8826246593.

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ELIGIBILITY CRITERIA

ELIGIBILITY/ PRE QUALIFICATION FOR FURNITURE

Eligibility Conditions: Manufacturer, who will be able to meet the following criteria are only eligible to apply:

1. The firm should be OEM (Original Equipment Manufacturer)/ Authorized Distributor must be in this business for last 5 years or more.
2. The Bidder should have Annual Turnover of minimum 5 crores for the last 5 consecutive years and copies of Audited Balance sheets duly certified by the Chartered Accountant and income tax returns filed for all the financial years 2016-2017, 2017-2018 & 2018-2019. There should be no loss in the last three financial years.
3. The bidder should have executed similar works ("Similar work" means Design, supply and installation of Lab furniture and Fume hood) of one work not less than 2.52 crore (or) two similar works not less than 1.9 crore (or) three similar works not less than 1.26 crore (Work completion certificate to be submitted).
4. The bidder should preferably have SEFA membership continuously for the last 5 years.
5. The bidder should have in house ASHRAE 110: 2016 and EN 14175:2003 fume hood test facility. Photographs of this test facility must be attached to the technical bid.
6. Test Report: Fume Hood should be type-tested as per EN 14175 (all the tests) by a third-party
7. Test Report: Fume Hood should be type-tested as per ASHRAE 110, 2016 by a third-party
8. The bidder should submit their profit and loss statement for the last five years duly certified by a chartered accountant and should not have incurred loss in the same period.
9. Manufacturing bidders should be a certified ISO-9001 organization and considering IISER Tirupati growing concern on environment and human resource, the furniture manufacturer should also possess ISO-14001 and OHSAS18001. All these must be submitted with the tender (Technical bid).
10. Black listed: The bidder shall not be among the ones blacklisted for any reason in any government /public sector organization. Affidavit to be submitted to that effect.



11. Permanent account number: PAN must attach the copy. (Documentary evidence should be attached).
12. GST registration: As per applicability (Documentary evidence should be attached).
Copies of all certification as mentioned on page no 3

Instructions for Online Bid Submission:

This tender document has been published on the Central Public Procurement Portal ([URL:https://eprocure.gov.in/eprocure/app](https://eprocure.gov.in/eprocure/app)) & Institute website www.iisertirupati.ac.in . The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app> .

REGISTRATION

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
7. The CPP Portal also has user manual with detailed guidelines on enrollment and participation in the online bidding process. Any queries related to process of online bids or queries related to CPP Portal may be directed to the 24x7 CPP Portal Helpdesk.
8. The Institute will not be responsible for any type of technical issue regarding uploading of Tender on website.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate

the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.

3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS formats. Bid documents may be scanned with 100 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" 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.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Financial Bids can be submitted in PDF format (As per Chapter 5).
The bidder may add rows to include the prices of all components & warranties, installation etc. whichever applicable.
4. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
5. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
6. Upon the successful and timely submission of bids, 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.

7. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

- i. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- ii. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is **0120-4200462, 0120-4001002, 91-8826246593**.

Chapter 1

INVITATION FOR Tender Offers

Indian Institute of Science Education and Research (IISER), Tirupati invites e-Tender for Design, Supply, Installation and Commissioning of Laboratory Furniture

1. The Bidders are requested to give detailed tender in two Bids i.e.

a. Part - I: Technical Bid - along with live mockup sample of their products to be displayed at IISER Tirupati.

b. Part - II: Commercial Bid.

2. In view of Covid-19, IISER Tirupati will be conducting a Pre-bid conference through skype on. 26/03/2020 from 02:30 PM to 03:30 PM (IST). All prospective bidders are requested to kindly send their queries through email at purchase@iisertirupati.ac.in so as to reach latest by 25/03/2020. During Pre-bid meeting the answers / clarifications to the queries will be made available and also uploaded on our website. No queries will be entertained after the Pre-bid meeting. The skype id will be personally sent via email to the vendors interested in attending the Pre-Bid conference. Vendors interested can send a request for access to Purchase@iisertirupati.ac.in

TIME SCHEDULE

Sr. No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	18/03/2020	16:00 Hrs.
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6	Opening of Technical Bids	16/04/2020	15:30 Hrs.

Supply means: "Supply, Installation, Commissioning and satisfactory demonstration of the whole system and training". If any charges extra are payable for Installation, Commissioning and training, the same should be specified in the commercial offer.

3. AVAILABILITY OF TENDER:

The tender document can be downloaded from <http://eprocure.gov.in/eprocure/app> and be submitted only through the same website.

Technical Bid:

1. The online envelope clearly marked as "**Technical Bid - Envelope No. 1**" shall contain the all scanned copies of originals documents in PDF Format.
 - a) Compliance statement/questionnaire of tender terms and conditions as per **Annexure- 'A'**.
 - b) Compliance statement of specifications as per **Annexure- 'B'**.
 - c) Bid Security/EMD as per **Annexure- 'C'**.
 - d) Manufacturer authorization as per **Annexure - 'D'**.
 - e) Previous Supply Order List Format as per **Annexure - 'E'**.

- f) Bidder Information Form as per **Annexure –‘F’**.
- g) Blacklist Certificate as per **Annexure –‘G’**.
- h) Annual Maintenance Certificate as per **Annexure –‘H’**.
- i) Solvency certificates (not older than twelve months) issued by Scheduled/Nationalized bank with which BIDDER holds the current account.
- j) Copy of LST/CST/WCT No. PAN No. and TIN No. allotted by the concerned authorities. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration and a copy of DGS&D registration wherever it is applicable should also be provided in Technical Bid.
- k) Technical literature/ leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.
- l) The design details of the fume hood, blower & scrubber to be submitted as part of the technical bid.
- m) A 2D drawing of the lab with all furniture as well as the isometric view of each individual table & fume hoods, also the ducting layout with the scrubber and blower to be submitted as part of the technical bid. (In Pdf & dwg format)
- n) Undertaking that the successful BIDDER agrees to give a security deposit amounting to 10% of the purchase order value by way of Demand Draft in favor of The Director, IISER Tirupati.
- o) In case of exemption from submission of Bid security, proof of registration with DGS&D/NSIC.
- p) Details of supplies of similar Works
- q) Scanned copy of Tender Fee & EMD and it is required to submit the same in original in a sealed envelope at the following address
Assistant Registrar (stores & Purchase)
Indian Institute of Science Education and Research (IISER), Tirupati
**Transit campus: C/o Sree Rama Engineering College Campus, Rami Reddy Nagar
Karakambadi Road, Mangalam (B.O), Tirupati - 517 507**
Website: <http://www.iisertirupati.ac.in/>

TENDER FEE & EARNEST MONEY DEPOSIT DETAILS

- a) **Tender Fee of Rs. 1,000/- (One Thousand only)** in the form of Demand Draft from Nationalized/scheduled bank in favor of The Director, IISER Tirupati. The firm registered with DGS&D/NSIC as manufacturer for the supply of the same category of item for which the party is submitting quotation will be exempted from submission of FEE.
- b) **EMD of Rs.15,75,000/-(Fifteen Lakh Seventy-Five Thousand)** in the form of Bank guarantee (As per format enclosed as ANNEXURE- ‘C’) or Demand Draft of a scheduled bank in the name of Director, IISER, Tirupati valid for 180 days from the date of opening of the tender. The firm registered with DGS&D/NSIC as manufacturer for the supply of the same category of item for which the party is

submitting quotation will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their quotation. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of concerned item. The party must therefore, submit a pre-receipted Bill in triplicate along with the quotation (in case of EMD sent in form of Bank Draft) to enable us to refund their EMD.

- i. The BIDDER who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit Performa invoice of their principals.
- ii. In case of bids in Foreign Currency, the Indian Representative / dealers can submit the EMD in INR to IISER, Tirupati without any relaxation.
- iii. The Bank Guarantee is insisted due to steep fluctuations in foreign exchange hence the foreign DD's are not accepted towards EMD. Bids submitted without EMD will stand rejected. EMD will not be accepted in the form of cash /cheque. No interest is payable on EMD.
- iv. The EMD will be returned to the BIDDERS(s) whose offer is not accepted by IISER, TIRUPATI within one month from the date of the placing of the final order(s) on the selected BIDDER(s). In case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Bank Guarantee as Security Deposit (SD). However, if the return of EMD is delayed for any reason, no interest / penalty shall be payable to the BIDDERS.
- v. The successful BIDDER, on award of contract / order, must send the contract / order acceptance in writing, within 15 days of award of contract / order failing which the EMD will be forfeited.
- vi. The EMD shall be forfeited: In case a successful BIDDER fails to furnish the Security Deposit.

4. The technical offer **should not contain any price information.**

5. Specifications:

Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /supported by the printed technical leaflet/literature. Therefore, the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.

6. **Compliance Statements:**

- a) Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at ANNEXURE-‘B’. The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.
- b) Similarly, the Compliance Statement/questionnaire for Terms & Conditions of the tender may be furnished, as per the enclosed format at Annexure -‘A’, along with quotation (with techno- commercial bid in case of two bid tender system).
- c) The firms are advised to submit both the compliance statements essentially along with their quotation failing which their offer may not be considered.

Envelope 2 : “Commercial Bid” shall contain:

- i. Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- ii. The BIDDERS are requested to quote for Educational Institutional Price for Equipment and software, since we are eligible for the same.
- iii. The prices should be shown against each item for the purpose of Insurance claims / replacements if any.
- iv. List of deliverables / Bill of materials and services.
- v. In case of foreign quote, the address of Principal’s / Manufacturer’s and their Banker’s details should be furnished.

Note:

- (i) No request for extension of due date will be considered under any circumstances.
- (ii) No sub-contracting is allowed with regard to installation, commissioning, training, warranty maintenance and after sales service. This is the sole responsibility of the Principals’/their authorized agents

7. IISER Tirupati may issue corrigendum to tender documents before due date of Submission of bid. The bidder is required to read the tender documents in conjunction with the corrigendum, if any, issued by IISER Tirupati. The bidder is not supposed to incorporate the amendment in the body of the tender document

8. **BID OPENING AND EVALUATION PROCESS**

- a. Technical Bids will be opened on **16-April-2020 at 03:30 PM**. The Bidders are also required to submit a mock-up of the Lab table and fumehood complete in all aspects including sink, electrical raceways, sockets and all other civil and electrical works as mentioned in the tender document.
- b. The date of mock-up will be announced, post evaluation of technical bids. The time frame given for the mock-up will be one week; however the bidders who satisfy themselves they qualify the technical criteria of the tender can start their preparation of the mock up simultaneously.

- c. The maximum time frame given for mock-up will be one week. No request/correspondence for extension of time will be considered under any circumstances.
- d. Bidders, failing to display the mock-up/ displaying partial/incomplete mock-up will not be considered for the tendering process.
- e. Financial Bids of the eligible bidders will be opened on a later date. The date and time for opening of Financial Bids will be announced later.
- f. Bids would be summarily rejected, if tender is submitted other than through online or **original EMD & tender fee are not submitted within stipulated date / time**. IISER Tirupati shall not be responsible for any postal delay, EMD & Tender Fee before Tender closing date.

9. Terms of the Technical Committee

- (i) On the due date the Technical bids will be opened and referred to the Technical Committee which is duly constituted by the Director, IISER Tirupati. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is the final and binding on all the parties.
- (iii) The technical evaluation will be an assessment of the Technical Bid. IISER, Tirupati representatives will proceed through a detailed evaluation of the Technical Bids as defined in **Chapter IV (Schedule of requirements, specifications and allied technical details)**, in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, IISER, Tirupati will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.
- (iii) The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of IISER, Tirupati and this criterion /recommendation will also form as a part of short-listing of the firms.
- (iv) The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IISER, Tirupati or from other Institutes and also call for Technical presentations from the BIDDERS if it is required so.
- (v) The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.
- (vi) After the technical evaluation is completed and approved, IISER, Tirupati shall inform to the BIDDERS whose bids have been rejected technically with

the reasons for rejection on e-Procurement Portal (<https://eprocure.gov.in/eprocure/app>).

The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening along with their EMD.

- (vii) The successful BIDDERS will be informed regarding the date and time of Commercial bid opening.
- (viii) The purpose of obtaining two bids (technical (including mockup) and commercial) is to evaluate all the firms on technical basis with reference to the tendered specifications, performance of similar Solutions/Applications elsewhere, obtaining users views with reference to the earlier supplies. This will enable the technical committee to arrive at a fair recommendation by evaluating the mockups displayed w.r.t their compliance to the tender specifications.
- (ix) In the event of seeking any clarification from various BIDDERS by IISER, Tirupati, the BIDDERS are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at that stage. In case if a BIDDER fails to quote for a particular item it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during this process if any BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

10. Commercial Bid Evaluation:

Based on results of the Technical evaluation IISER, Tirupati evaluates the Commercial Bid of those Bidders who qualify in the Technical evaluation.

- a) IISER Tirupati shall correct arithmetical errors on the following basis:
 - (i) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
 - (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (iii) If there is a discrepancy between words & figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- b) Selling exchange rate/equivalent to Indian currency will be as on the date of bid opening in the case of single bidding and the rate on the date of opening of the priced bids in the case of two-part bidding.
- c) **The bids shall be evaluated on the basis of final landing cost as per format given in Price Schedule in case of import / indigenous items.**

- d) The comparison between the indigenous and the foreign offers shall be made on FOB destination basis and CIF/CIP basis respectively. However the CIF/CIP prices quoted by any foreign bidders shall be loaded further as under :
- Towards customs duty and other statutory levies-as per applicable rates.
 - Towards custom clearance, inland transportation etc. – 2% of the CIF/CIP value.
- e) Where the price quoted on FOB/FCA and CIF/CIP basis are the same, the Contract would be made on CIF/CIP basis only.
- f) The Vague terms like “packing, forwarding, transportation..... etc. extra” without mentioning the specific amount/percentage of these charges will not be accepted. **Such offers shall be treated as incomplete and rejected.**
- g) After arriving at final pricing of individual offers of all the short listed firms, the lowest firm will be awarded with Contract/Purchase Order.
- h) If there are any discrepancies in price schedule and tender document please refer to the BOQ in the Central Public Procurement Portal, the BOQ item/words/conditions mentioned in BOQ prevails
11. The Director, IISER, TIRUPATI reserves the right to accept the offer in full or in parts or reject summarily or partly.
12. The relatives / near relatives of employees of the client are prohibited from participation in this bid.
The near relatives for this purpose are defined as:
- (a) Members of a Hindu Undivided Family.
 - (b) Their husband or wife.
 - (c) The one is related to the other in the manner as father, mother, son(s), son's wife (daughter-in-law), daughter(s) & daughter's husband (son-in-law), brother(s) & brother's wife, sister(s) and sister's husband (brother-in-law).
13. Unloading of the goods at IISER Tirupati is strictly in the scope of the bidder. No manpower will be provided by IISER Tirupati.

CHAPTER-2: INSTRUCTIONS TO BIDDERS

1. PREPARATION AND SUBMISSION OF OFFERS:

a) Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by authorized dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per **Annexure-'D'**.

One Indian Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same Indian Agent is representing another manufacturer for the same item.

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

c) The bidder shall bear all costs associated with the preparation and submission of its bid irrespective of the conduct or outcome of the bidding process.

d) The bidder should not indulge in any corrupt, fraudulent, collusive, coercive practices during the entire process of procurement and execution of contract/order.

e) Before the deadline for submission of the bid, IISER TIRUPATI reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment/modification will be hosted on e-Procurement portal (<https://eprocure.gov.in/eprocure/app>) or on IISER TIRUPATI website.

f) Conditional tenders will be summarily rejected.

2. Delivery Period / Timeliness:

The deliveries & installation must be completed within two months after placement of purchase order. The time is the essence of the contract. It is mandatory for the BIDDERS who respond to this bid to meet these expectations, as are tightly linked to IISER, TIRUPATI's plans of completing the project within the time frame.

3. Security Deposit:

3.1 Within ten (10) days of the award of contract, the vendor shall furnish a Security Deposit amounting to 10% of the purchase order value in the form of Demand Draft/Bank Guarantee (**from scheduled Bank only**) favoring the Director, Indian Institute of Science Education and Research, Tirupati.

3.2 The IISER will forfeit the 10% security deposit if vendor fails to execute the order as per the Purchase Order. This Security Deposit will be refunded to the vendor only on successful installation of the EQUIPMENT / SYSTEM.

3.3 The Security Deposit should be valid for a period of warranty period as we plan to extend the same as Performance Bank Guarantee.

3.4 Bank Guarantee wherever mentioned in this document may be read as “Bank Guarantee from any Scheduled Bank” only.

4. Amalgamation/Acquisition etc.:

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution of the contract and also fulfillment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.

5. Bid Validity Period:

- 5.1. The prices must be valid at least for a period of **180 days** from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later
- 5.2. IISER, TIRUPATI may ask for the BIDDER’s consent to extend the period of validity. Such request and the response shall be made in writing only. The BIDDER is free not to accept such request without forfeiting the EMD. A BIDDER agreeing to the request for extension will not be permitted to modify his bid.
- 5.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

6. AWARD OF CONTRACT:

Award Criteria

- 6.1 IISER, TIRUPATI shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.
- 6.2 If more than one BIDDER happens to quote the same lowest price, IISER, TIRUPATI reserves the right to award the contract to more than one BIDDER or any BIDDER. The Institute decision is final and binding to all the bidders.

7. IISER Tirupati Right to vary Quantities at the time of Award:

- 7.1. The IISER Tirupati reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender document without any change in unit price or other terms and conditions. Further, at the discretion of the IISER Tirupati, the quantities in the contract may be enhanced by 25% within the delivery period.
- 7.2. Firms which have already supplied similar equipment to IISER, TIRUPATI and have not completed required installation/commissioning/after sales service/warranty replacements etc. such firms offers will not be considered for further evaluation and no enquiries thereafter will be entertained.

8. Cargo Consolidation and Customs Clearance:

IISER, TIRUPATI has appointed its own Freight Forwarder and Custom House Agent for all IISER, imports. Please note that all the consignments have to be routed through their associates only. The address and contact details will be provided at the time of placing the Purchase Order. While submitting your bid, you may confirm this condition.

9. Fraud and Corruption:

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

(a) The terms set forth below are defined as follows:

- (i) **“Corrupt practice”** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (ii) **“Fraudulent practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (iii) **“Collusive practice”** means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, noncompetitive levels; and
- (iv) **Coercive practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

(b) The IISER Tirupati will reject a proposal for award if it determines that Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract in questio

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

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

CHAPTER - 3 : CONDITIONS OF CONTRACT

1. Prices:

Bid prices should be filled in the appropriate format as mentioned in Price Schedule.

ALL THE BIDDERS SHOULD QUOTE PRICES FOR EACH AND EVERY ITEM SEPERATELY ALONG WITH THE CONSOLIDATED PRICES APPLICABLE FOR BOTH INDIGENOUS AND IMPORTED ITEMS (if any).

A. For Goods manufactured in India:

- (i) The price of the goods must be as per the BoQ.
- (ii) In case of BoQ requesting for prices without GST. GST will be paid as per the norms.
- (iii) The price mentioned in BoQ must be inclusive of transportation, Insurance, loading and unloading and any other local service required for delivering the goods for the desired destination as decided by IISER Tirupati.
- (iv) The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- (v) The institute will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the Boq will be final and the bidder has to comply with that, if awarded the tender.
- (vi) **UNLOADING OF THE GOODS AT IISER TIRUPATI IS STRICTLY IN THE SCOPE OF THE BIDDER. NO MANPOWER WILL BE PROVIDED BY IISER TIRUPATI.**

B. For Goods manufactured abroad:

- (i) The mode of shipment must be clearly mention in the BoQ viz Ex-works, FCA, FOB, CIP, DDP etc.
- (ii) Courier mode of shipments will not be acceptable. IISER Tirupati will not pay the charges towards clearance goods arriving on courier mode.
- (iii) The mode of shipment once mentioned cannot be changes without the consent of IISER Tirupati.
- (iv) Any financial implication leading to change of mode of shipment or any deviation from the bid submitted shall be borne by the bidder.
- (v) The charges towards insurance and transportation of the goods and agency commission must be clearly mentioned.
- (vi) The installation, commissioning and training charges including any incidental services, if any.
- (vii) The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- (viii) The institute will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the Boq will be final and the bidder has to comply with that, if awarded the tender.
- (ix) **UNLOADING OF THE GOODS AT IISER TIRUPATI IS STRICTLY IN THE SCOPE OF THE BIDDER. NO MANPOWER WILL BE PROVIDED BY IISER TIRUPATI.**

C. We are exempted from payment of Customs Duty under notification No.51/96 dated 23.07.1996. **Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.**

D. BIDDERS may also bid for High Sea sales.

2. **Bank Charges:**

All Bank charges inside India, including opening of LC, to IISER, TIRUPATI Account and outside India to Beneficiary's Account only. In case the BIDDER seeks confirmation of LC such confirmation charges are to the Beneficiary's account. This may please be noted and confirmed.

3. **Agency Commission & Services:**

3.1. The Indian Agency commission payable in Indian currency only after the receipt of consignment in good condition at our Stores and satisfactory installation and commissioning of the ordered equipment.

3.2. In case of foreign quote, the Principal supplier should clearly indicate the address of the Indian Agent and percentage (%) of Agency Commission and taxes if any payable to him. Such amounts will be paid in Indian Currency to the Indian Agent.

3.3. Details of services rendered by you as well as after-sales services offered by you are to be made clear in the tender.

4. **Performance Bank Guarantee:**

The 10% Security Deposit which is mentioned above may be extended as Performance Bank Guarantee for a period of warranty period.

5. **Performance Benchmarks:**

The technical evaluation committee needs to be provided with an evaluation system to carry out performance benchmarks.

6. **Pre-installation:**

The BIDDER has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IISER, Tirupati the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words, the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation. Bidders should also bring sufficient technical manpower for verification of pre-installation pre-requisites any requirement mentioned after the arrival of equipment to IISER Tirupati which may lead to delay in installation may lead to levy of penalty as decided by the institute.

7. **INSTALLATION:**

- 7.1 BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- 7.2. Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.
- 7.3. After successful installation what will be the minimum down time of equipment/instrument in case of breakdown. If the identified firm or person fails to put the system into working condition what is the further alternative course of action suggested by you to adhere to minimum down time.
- 7.4. Sufficient technical manpower and housekeeping manpower must be arranged by the bidder at the time of installation and unloading of the equipment/goods.

8. **INSPECTION:**

- 8.1 The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.
- 8.2 In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the IISER. FoR or CIF basis to the institute till satisfactory installation of the system, with in the stipulated time as decided by the Institute failing which penalty 1% of the total order value per week will be levied.

9. **Training:**

Wherever needed, our Scientist/Technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

10. **Warranty / Support:**

- 10.1 The items covered by the schedule of requirement shall carry minimum Three years of comprehensive warranty from the date of acceptance of the equipment by IISER, TIRUPATI. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.
- 10.2. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.
- 10.3. The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost.

The turnaround time for resolving of any issue in case of indigenous bidders is 15 days and in case of import is 30 days from the date of intimation from institute via e-mail any delay in resolving the issue will lead to forfeiture of their PBG. The delay in resolving the issue beyond the stipulated period mentioned above shall lead to extension of warranty period.

- 10.4. The BIDDER shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.
 - 10.5. The equipment must be supported by a Service Centre in India manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contact the Principal's vendor support Centre on a toll free number/web/mail.
 - 10.6. An undertaking from the manufacturer is required in this regard stating that they would facilitate the BIDDER on regular basis with technology / product updates & extend support for the warranty as well.
 - 10.7. The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
 - 10.8. The principal vendor must have a local logistics support by maintaining a local spares depot in the country of deployment of the equipment. This is to ensure immediate delivery of spares parts from Principal Vendor of equipment to its channel partner/system integrator.
 - 10.9. Details of onsite warranty, agency who shall maintain during warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during warranty and AMC beyond warranty shall be given in the Technical Offer.
 - 10.10 **COMMENCEMENT OF WARRANTY PERIOD:**
The warranty period of an item shall commence from the date of successful installation, commissioning and demonstration at IISER Tirupati. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.
11. **Reasonability of Prices:**
- 11.1 The prices quoted must be the prices applicable for a premiere Educational and Research Institute in national importance, as applicable to educational research institutes must be given.
 - 11.2 The bidder must give details of identical or similar equipment, if any, supplied to any IITS/IISERS/ CSIR lab/Education Research Institute during last three years along with the final price paid and Performance certificate from them.

12. **Annual Maintenance Contract:**

12.1. The party must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable.

12.2. No sub-contracting will be allowed for installation or maintaining system/equipment / instrument during or after warranty period.

13. **Indemnity:**

The vendor shall indemnify, protect and save IISER, TIRUPATI against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipments supplied by him.

14. **Freight & Insurance:**

14.1. Imports: In case of imports the freight & insurance will be paid by IISER, TIRUPATI, as the consignments are shipped through the IISER, TIRUPATI nominated freight forwarder (applicable only cases of FCA/FOB shipments).

14.2. Indigenous : The equipments to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IISER, TIRUPATI site in case of Rupee transaction.

15. **Payment:**

15.1. For Indigenous items, 90% payment shall be made against delivery, installation, commissioning and on acceptance as per Purchase Order at site and balance 10% shall be made after receipt of performance Bank Guarantee for 10% of the total order value, to be valid for till warranty period from date of installation and acceptance. If no Bank Guarantee is given, the balance 10% will be paid after assessing, after sales service during warranty period i.e. payment after warranty period. Please note that the warranty period will be extended in case of non-resolving of issues in a stipulated given by the institute as mentioned above.

15.2. For imported items, 90% payment shall be made by a Irrevocable Letter of Credit established in favor of the supplier through the State Bank of India, Deccan Gymkhana Branch, Tirupati 411 004 (India) for the order value, excluding the Agency Commission due to the Indian Agents, against the presentation of original Shipping documents. Balance 10% will be released after completion of satisfactory installation, commissioning, demonstration of the whole system, after imparting training and upon receipt of Bank Guarantee for 10% of total Order value towards performance security to be valid for till warranty period from the date of installation. However, Letter of Credit arrangement will be made for 100% order value. Please note that the warranty period will be extended in case of non-resolving of issues in a stipulated given by the institute as mentioned above.

The payment of local currency portion shall be payable in equivalent Indian Rupees, within 30 days after the receipt of the equipment in good condition and after satisfactory installation and commissioning and demonstration.

The Agency Commission to the Indian Agent will be paid in INR only after successful installation, commissioning and satisfactory demonstration and acceptance of the items ordered for by the end user.

16. **Penalty for delayed Services / LD:**

- 16.1. As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the IISER will forfeit EMD/SD and also LD clause will be applicable /enforced.
- 16.2. If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- 16.3. IISER, TIRUPATI reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

17. **Jurisdiction:**

The disputes, legal matters, court matters, if any, shall be subject to Tirupati Jurisdiction only.

18. **Force Majeure:**

The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the IISER Tirupati either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

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

19. **Discrepancies**

If there are any discrepancies in price schedule and tender document please refer to the BOQ in the Central Public Procurement Portal, the BOQ item/words/conditions mentioned in BOQ prevails.

20. Comparisons of Bids

The Purchaser shall compare all substantially responsive bids to determine the lowest valued bid.

This Institute is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent amendments to the order. Accordingly, preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order and the quality as mentioned in the tender in the technical bid itself.

21. Dispute Settlement:

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

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

- (a) In case of Dispute or difference arising between the IISER Tirupati 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 IISER Tirupati, if he is unable/ unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- (b) In the case of a dispute between the Purchase 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 purchase order or contract is issued.

Assistant Registrar (A&P)

CHAPTER 4

General instructions

- Interested bidder may visit the site and get accustomed with site condition before submitting the bid.
- The design details of the fumehood, blower & scrubber to be submitted as part of the technical bid.
- The fumehood exhaust system shall be designed taken into account the HVAC system in the lab.
- The bidder shall place a demo unit of their proposed bench top fumehood of size 1800(L) x900(D) x1350(H) with Acid storage cabinet, Solvent storage cabinet & Metal powder coated cabinet as part of the technical evaluation.
- The bidder shall also place a mockup of island table of size 3m x 1.8m x 0.9m with one sink and accessories as described in the BOQ as part of the technical evaluation.
- Shop drawing to be submitted within 3 days from the date of issue of purchase order.
- The furniture with fume hood shall be installed within 60 days from the date of approval of the shop drawing
- Samples of all hardware used in the furniture and fume hood to be submitted for approval before procurement and installation.
- A 2D drawing of the lab with all furniture as well as the isometric view of each individual table & fume hoods, also the ducting layout with the scrubber and blower to be submitted as part of the technical bid.

STANDARDS:

All components shall conform to relevant up to date Indian Standard Specifications, wherever existing irrespective of whether explicitly mentioned or not.

All electrical work shall be carried out in accordance with the provision of Indian Electricity Act 2003 and Indian Electricity Rules 1956, amended to date.

All lab fixtures shall conform to relevant international standards or guidelines and should provide documentary evidence to this effect. These include the following:

SEFA 3 – Scientific Equipment and Furniture Association

SEFA 8 - Scientific Equipment and Furniture Association

NFPA 30 - National Fire Protection Association

NFPA-45 - National Fire Protection Association

UL - Underwriters Laboratories

ASTM D522 - Bending Test

ASHRAE

(OR)

BGI/GUV-I 850-0 Laboratories

TRGS 526 Laboratories

DIN 12898 Laboratory fittings; hose nozzles

DIN 12918 Laboratories - laboratory fittings – part 1: Water taps

DIN 12918 Laboratories – laboratory fittings – part 2: Taps for combustion gases

DIN 12918 Laboratories-laboratories fittings – part 3: Taps for industrial gases

DIN/EN 13792 Labels for laboratory fittings

DIN/EN 14470-1 Fire resistance storage cabinets – part 1: Safety cabinets for flammable liquids

DIN/EN 14175-2 Fume cupboards– part 2: requirements for safety and performance capacity

DIN/EN 14175-2 Fume cupboards – part 3: design test procedures

DIN 12924-2 Laboratories – fume cupboards – part 2: high performance fume cupboards

- o) DIN 12924-4 Laboratories – fume cupboards – part: fume cupboard for pharmacies

Quality Assurance, Testing and Warranty

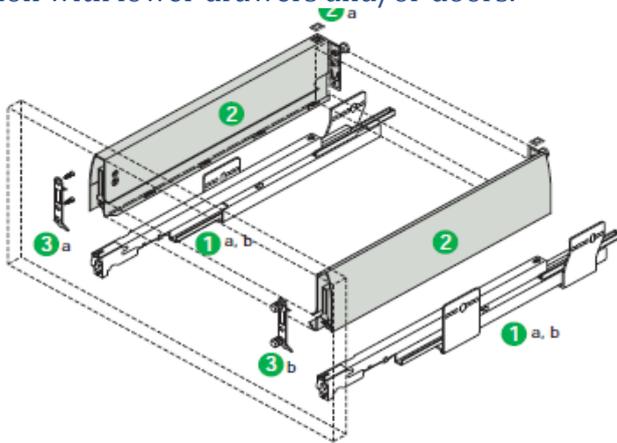
- The supplier shall have a history of successful projects of similar size and complexity.
- Single Source Responsibility: The supplier shall provide complete C Frame assembly, work top, modesty panel, shelves, storage, service fixtures and accessories, fume hoods, exhaust ducting, VAV system with all controls, exhausts blowers and scrubbers, as a single responsibility.
- The supplier shall submit test results for SEFA-3 & 8, as indicated in performance criteria from recognized NABL Third Party testing labs., for a min. of any 2 Cabinets & 2 “C”- Frames of different respective sizes as listed in the BOQ. The supplier shall at his own expense and at no cost to the purchaser carry out all such tests and inspections of goods and related services as specified here. Fume hoods shall be type tested at manufacturers own test facility by reputed third party testing agency.
- Whenever the supplier is ready to carry out such tests, reasonable advance notice shall be given to IISER including obtaining necessary permission or consent from third party agency to enable the IISER’s designated representative to attend the test and/or inspection.
- Warranty of equipment should be for a period of 36 months from the date of completion of work. Free upgrades of **software**, if any, should be provided during this period.

Technical Specification for Lab furniture

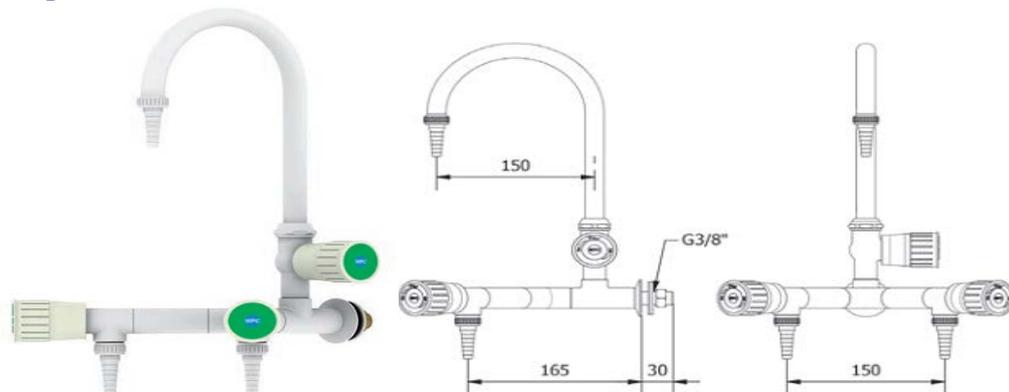
Underbench storage cabinets

Drawer cabinets shall be made in one-piece construction including the bottom, two sides, back and front. They shall be fully covered at interior bottom on all four sides for easy cleaning. The top front of the inner drawer body shall be offset to interlock with the channel formation in drawer head providing a 19mm thick drawer head.

Drawer slides shall consist of high precision, fully extendable, double extension slides with minimum 40 kg load carrying capacity. Drawer slides shall be equipped with soft closure mechanism by air suspension, self-closing when the drawer reaches 80% closure. Drawer channels shall maintain alignment of drawer and provide an integral stop, but the drawer shall be removable without the use of tools. Drawers shall provide minimum 340mm front to back clearance when fully extended. Drawers shall rise when opened thus avoiding friction with lower drawers and/or doors.



Water Tap



3 Way Wall Mounted Fittings with Swivelling GOOSENECK Spout

Wall mounted Water Tap shall be made up of PP Handle & Brass with surface protected by Epoxy Powder Coating RAL 7035 having male connection thread G3/8" & G1/2". Waterflow capacity of around 30 l/mn at 3 bar pressure & working temperature range of 0 70°C with test pressure 9 bars & max working pressure of 10 bar.

Safety Shower:



Emergency Shower ; total height 2300 mm, projection 655 mm, should be capable of delivering water at a min 75 litres /min & Eye wash at a minimum of 11 litres /min with min working pressure of 1.5 bar, conforming to the following specifications:

flange plate with 4 mounting holes made of stainless steel, chemical resistant green powder coated, dimensions 200 x 200 mm

- Vertical stand pipe 2300mm height, 32 dia made of stainless steel, chemical resistant green powder coated, with shower arm 19mm dia made of brass, chemical resistant green powder coated, total projection length of 655 mm

- ball valve 19mm dia with pull rod made of stainless steel, DIN-DVGW tested and certificated

- pull rod made of steel, chemical resistant green powder coated, length 700 mm

- high-performance shower head made of chemical resistant plastic, with improved spray pattern, corrosion resistant, largely scale and maintenance-free, very robust, self-draining

- integrated automatic flow regulation 50 l/min. for a spray pattern according to the norms at a specified operating range of 1.5 to 3 bar dynamic water pressure

- eye-/face wash unit with bowl

- body and bowl made of UV and impact resistant ABS plastic

- activation by pressing the big push plate made of stainless steel

- high-performance spray heads made of brass, for large-scale dispersion of water, chemical resistant powder coated, largely scale-free, with rubber sleeves and sealed dust caps

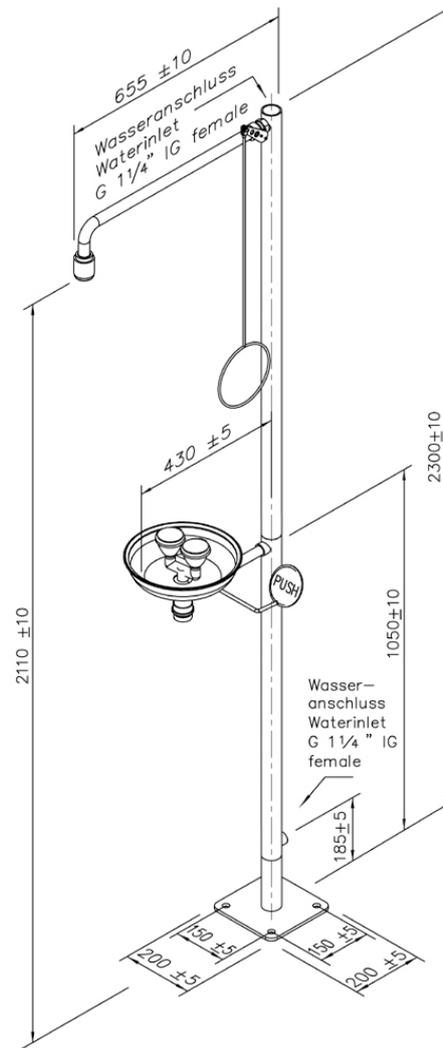
- integrated flow regulation valve

- water inlet 3/8" male, water outlet 1 1/2" male

- height 235 mm, width 445 mm, depth 300 mm

- according to DIN EN 15154-1:2006 , DIN EN 15154-2:2006, ANSI Z358.1-2004 and DIN 12899-3:2009

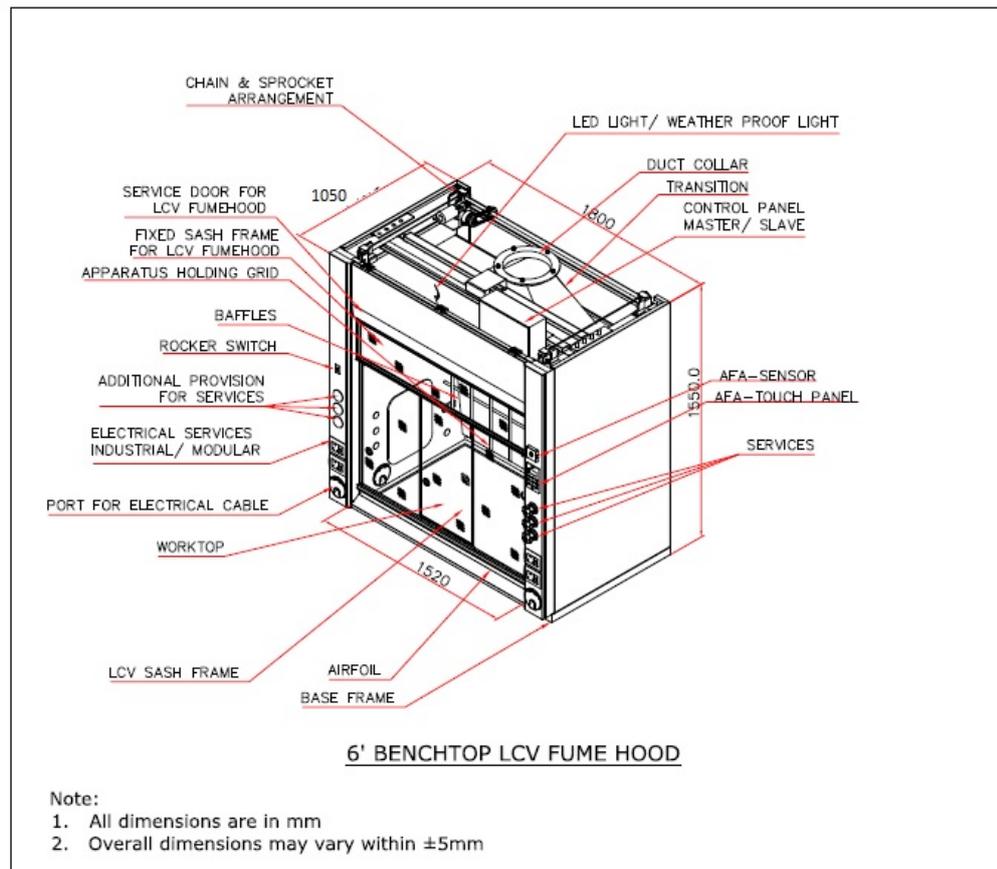
Manufacturer: Broen or Water saver or equivalent.



TECHNICAL SPECIFICATIONS - FUME HOODS

Size : 1800mm (W) or 1200mm (W) x 1050mm (D) x 2400mm (H)

Type : Low constant volume (LCV)



Superstructure Frame: *It shall be a free-standing rigid panel structure of steel (G.I.)*

Interior Walls: *Double wall ends, not more than 6" wide, shall be provided to maximize interior working area. The area between the double wall ends shall be closed to house the remote control valves. Cut-outs shall be provided inside the fume hood for service line accessibility. The same to have a cover with a fastener free design. The vertical fascias shall contain the required service controls, electrical switches and receptacles.*

Airfoil: *A streamlined air-foil shall be integral at the bottom of the hood opening on bench top hoods. This foil shall provide a nominal 20mm open space between the foil and the top front edge of the work surface to direct an air stream across the work surface to prevent back flow of air. The sash shall be provided with a separate handle which also provides for air flow when in completely closed position. The foil shall be of 1.2mm AL powder coated to resist denting and flexing.*

Baffles: *A stable, non-adjustable baffle with a single slot on the back baffle to aid in distributing the flow of air into and through the hood. The baffle shall be spaced out from the back liner and shall be removable for cleaning. It shall have 3 point suction for low, medium and high density fume suction*

Duct Collar: *A 8"-10" diameter polyethylene funnel shaped rectangular duct collar shall be located in the top of the hood plenum chamber.*

AFM: *Fume hoods shall be provided with an alarm system to detect low and high hood face velocities. The alarm system shall indicate the actual face velocity of the hood regardless of sash position. The system shall have an air velocity sensor mounted on*

the interior side liner of the hood where it is easily accessible for cleaning. The velocity monitor shall have a digital display of the air velocity through the hood face in feet per minute. The alarm signals shall activate any time the face velocity falls below the low velocity alarm set point or rises above the high velocity alarm set point. There shall be both visual and audible alarm signals. The audible alarm shall have a mute. Low and high alarm contacts shall be provided for remote monitoring.

Lighting:

- **LED LIGHT:** *Two LED Lights of Philips or equivalent make shall be provided in the fume hood. The lighting fixture shall be completely outside the fume hood area. The luminosity on the work surface shall be average 600 Lux.*

Sash:

- **Combination Sash:** *A combination sash shall be provided. The sash shall have horizontal sliding glass panels in a vertical rising steel frame. The bottom of the sash frame shall have a full length metal handle. The sash track has minimum protrusion to avoid any kind of turbulence. The sash shall be counterbalanced with a weights to prevent tilting and binding during operation. The glass panels shall be 5mm toughened glass mounted in a levelled channel with roller for smooth operation.*



Plumbing Services:

- *Utility services like Nitrogen, Argon, Compressed Air & Raw water shall consist of remote control valves as selected located within the end panels, and controlled by in and out facility with piping of SS304 grade of suitable dia passing through the side panels of the hood, with colour coded plastic handles. Interior fitting for gases and water shall be with powder coated brass. All gas valves for regular lab gases to have standard needle valve shall be supplied. All supplied valves to clear the following pressure test conditions: Gas Fittings - 7 bar, Water fittings - 10 bar.*

Electrical Services: *The hood superstructure shall be fully wired and shall have a control box with MCB blower starter all safety devices like trip etc. Inlet shall be of 3 phase power supply and the whole electrical shall be of plug and play type. It should have 4 nos. electrical sockets and switches of Northwest make (230V, 5/16 A, 50 Hz).*

Electric Hatch: *There shall be two hatches, one in each vertical front side of the fume hood near worktop level which will allow passage of the electric wires of the equipment being used in the chamber to be guided through and connected to the electric power points*

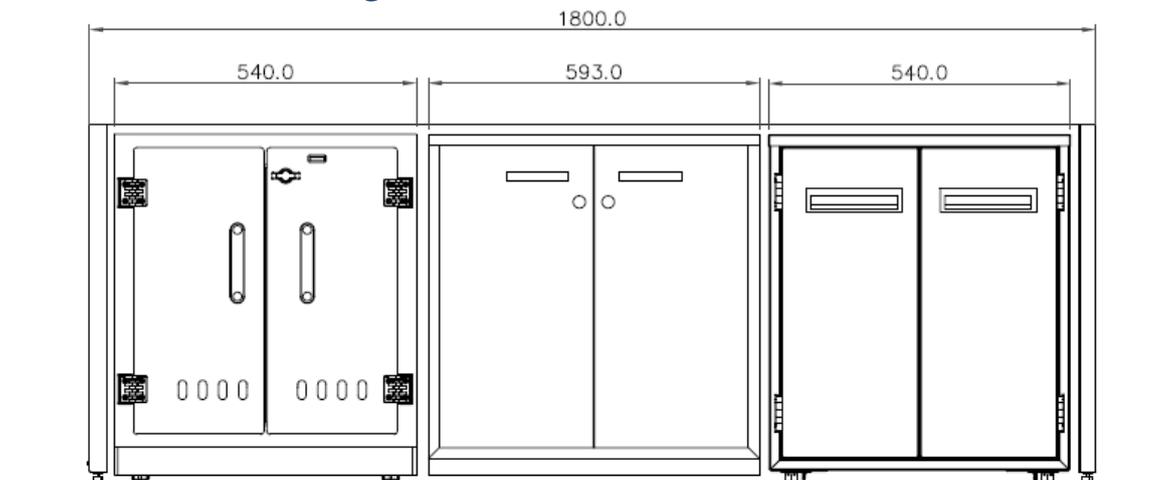
Liner - Interior liner panels shall be 6 mm thick Phenol resin based industrial laminate.

Lattice Rod Assemblies: *12mm dia solid epoxy rods shall be clamped with the PP clamps to form a lattice arrangement to hold the test samples and rotors within the fume hood. Pitch for each grid structure should be 200mm horizontally and 200mm vertically.*

Base Cabinets: *Fume hoods are designed to rest on a bench (high base stand, pedestal) which is a complete rigid steel structure.*

❖ **Frame based:** *Fume hoods are designed to rest on a bench which is a complete rigid steel structure. C-frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. All frame-work is should be pre-treated with superior pure epoxy powder coated finish.*

❖ **Under Bench Cabinets :** *Fumehood underbench cabinets are to be a combination of Acid, Solvent & Metal storage cabinets.*



- **Acid Storage Cabinet :** Storage cabinet has to be designed to safely store highly corrosive acids with a full PP construction. All safety claims of this product are to be backed by third party certification for Chemical Spot Test for 49 chemicals listed in SEFA standards and used across various industries. The cabinet has to be designed to be fully ventilated ensuring air circulation and preventing a build-up of dangerous fumes within the cabinet. The shelves comprise of removable height adjustable collection trays that are leak-proof, enhancing the safety factor of the storage units. There should be an air-duct at the back, inside the cabinet that effectively extracts fumes when connected to exhaust. Louvers are provided on the front doors to allow inward Low of fresh air. Cabinet size will be : 540mm (W) x 530mm (D) x 630mm (H) as per schedule of Qty.
- **Flammable Solvent Cabinet :** *Safety storage under bench cabinet for flammables should be 90 minutes fire-resistant, Single door (left-hand), Body and door grey coloured. Size should be W x D x H (mm): 593 x 574 x 600. Cabinet should be provided with Bottom collecting sump and perforated insert & cylinder lock. Cabinet should be compliant to EN 14470-1, EN 14727, CE, GS-Mark, UL 1275, ULC/ORD-C1275-84. Cabinet should be provided with two shut-off devices for fresh and exhaust air. Shut-off devices should be self-closing in the event of fire (tested and approved system EN 14470-1). Should be provided with Connecting piece (Ø 50 mm) and ready for connection to a technical ventilation. The door should remain open in any position, self-closing in the event of fire and lockable with cylinder locking with locking state indicator [E]. Cabinet should be provided with castors with plinth (H=30 mm) so that the same can be easily slid in under-bench fumehood superstructure. As per schedule of Qty.*

- ***Metal Powder Coated Cabinet:*** Welded cabinet should be constructed in MS duly powder coated with pure epoxy powder coating with 50-60 micron dry film thickness. Gauge of steel used in its construction shall be 0.8 mm MS for apparatus storages. Cabinet size will be: 540mm (W) x 530mm (D) x 630mm (H) as per schedule of Qty.

Ceiling Enclosures: *To be provided to enclose space between front top and ceiling of Concept fume hood superstructure also provides enclosure for raised sash.*

Transition: *Used to connect fume hood with ducting. They are designed to reduce the static pressure and are made up of Poly-propylene of 6 mm thickness.*

Work Surface:

- ***Granite:*** *Standard hood work surface shall be 18mm thick jet black granite in the form of a watertight pan, not less than 7 mm deep to contain spillage. Worktop will have oval shaped 102 mm X 175 mm 'PP' Cup-Sink for drainage. Top shall be manufactured at the same manufacturing location as the fume hood to assure proper cut-out alignment and coordinated shipping. The work surface and cup drain shall be available in black.*

Centrifugal Blower: *Silent high efficiency remote blower consisting of continuous rating motor and chemical resistant impeller. The blower shall be designed to give a face velocity at safe working height as per the international safe velocity norms. (ANSI/AIHA Z9.5). The blower body shall be PP + FRP and chemical (corrosion) resistant and mounted on a metallic stand. Capacity and Qty will be as per schedule of Qty.*

Ducting: *Rigid Ducting of PP (Polypropylene) + FRP (Fibre Reinforced Polyester) and flexible ducting with flanges, bends, damper transitions, clamps etc. Flexible joint shall be provided in the ducting in order to avoid transmitting the blower vibrations to the hood. A rain cowl is provided at the outlet of blower.*

SCRUBBER SPECIFICATION

Dry Fume Scrubbers

Dry scrubber should be providing with EU-4 grade pre -filter for dust particles, 24 activated bonded and impregnated carbon plates for fumes absorption. This should be suitable for Acids & solvents. The outer body should be of Chemical & UV resistant PVC body for outdoor applications. It should have Access port & Sampling port, with round end connection, Filter saturation indicator and filter stand.

MANDATORY TESTS REQUIRED
Fume Hood

Teststo be Done : 1) Flow visualization
: 2) Face velocity measurements
: 3)Tracer gas containment

Standard Applicable :ASHRAE-110 2016

AND

Tests to be Done
: 1) FACE VELOCITY TEST
: 2) CONTAINMENT TEST
: 3) INNER MEASUREMENT PLANE TEST
: 4) OUTER MEASUREMENT PLANE TEST
: 5) ROBUSTNESS OF CONTAINMENT TEST
: 6) AIR EXCHANGE EFFICIENCY TEST
: 7) SASH SUSPENSION TEST
: 8) PROTECTION AGAINST SPLASHES TEST
: 9) SASH STOP ND ALARM TEST
: 10) ILLUMINANCE TEST

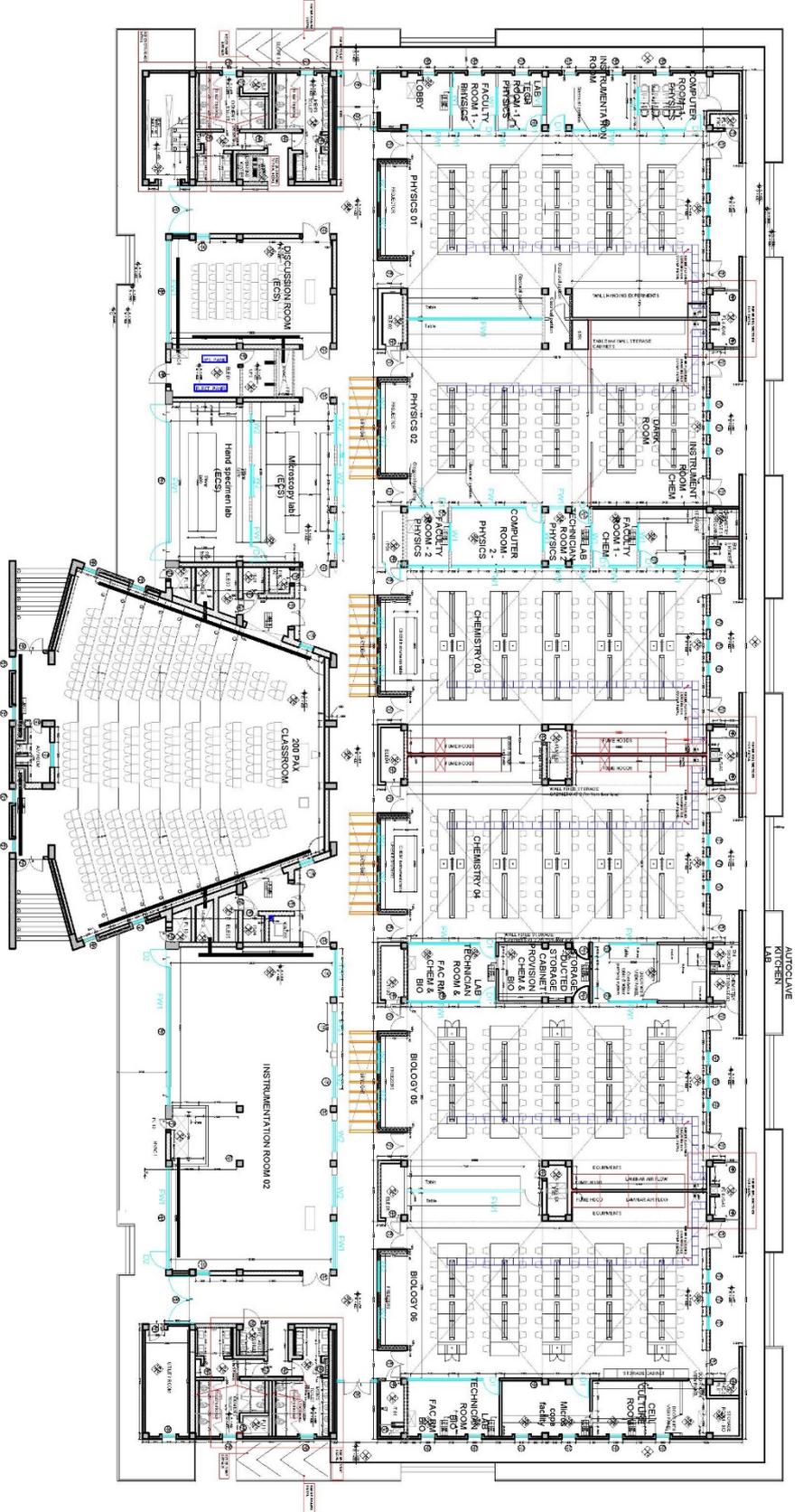
Standard Applicable :EN 14175

Proof of Test Passed : Type test reports as per ASHRAE-110, 2016 for above 3 tests and EN-14175 for above 10 tests to be submitted along with the technical bid

LIST OF APPROVED MAKES

	Brands
Steel	TATA Steel, JINDAL Steel
Powder Coating	Kansai Nerolac, Berger Paints, Asian Paints/Equivalent
Fume Hood Utility Fittings	Watersaver, Broen/ Equivalent
Airflow Monitor (AFA)	TEL (UK)/ Equivalent
Switches and Sockets, Data and LAN points	Northwest, Legrand, MK/ Equivalent
Sink (Cup Sink)	Watersaver, Broen, Alloyplass

Worktop	Jet Black Granite
Storages for corrosive chemicals	Godrej Resilience cabinets or Equivalent
Storages for Flammable Solvents	Justrite/ Equivalent
Blowers	Almonard, Konark, UNC Plast
Dry Scrubber	Instalab, UNC Plast, Konark/ Equivalent
DOL Starter	L&T, Seimens, Havells/ Equivalent
Electrical Wiring	Polycab, Finolex, Havells/
Galvanized Sheet Steel	SAIL / Jindal / Tata
MS Pipes	JINDAL / TATA
FRLS PVC Electric Conduit Pipes & accessories & Junction Boxes	Bajajplast / Sudhakar/ Precision / Phenolex
Modular Boxes, Switches & Sockets	Legrand (Mosaic) Crabtree / Hausman/ L & T
Industrial Sockets & Plugs	Legrand/ L&T / Neptune/Schneider
Distribution Boards	Legrand/ Siemans/ L&T(Hager) / Schneider
Loose Wire Box for Distribution Boards	Legrand/ Siemans/ L&T(Hager) / Schneider
MCBs, ELCBs	Legrand (Lexic)/ Siemens / L & T (Hager) / Schneider (Merlin Gerin)
Locks, Handles & hinges	Godrej/geze/ebco/equivalent
Glass/ Toughened glass	Saint gobain/Modiguard



UG LAB

NOTE

IN CASE OF ANY MISMATCH IN THE DIMENSION OF TABLE IN DRAWING & BOQ, THE ONE IN BOQ WILL HOLD GOOD.

**CHAPTER-5
PRICE SCHEDULE**

SCHEDULE OF WORK

**1. All minor civil works such as making holes in concrete or masonry surface and making good the same, concrete pedestals for fumehood blower & scrubber necessary MS support required for installation of the services, scaffolding, hydra arrangement as required for installation, all leads and lifts etc. Nothing extra shall be paid
2.All internal plumbing works including material, labour shall be under the vendor scope. Nothing extra shall be payable.**

Sl.No	Description of Work / Item(s)	Qty	Units	BASIC RATE (Per Ltr) In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	GST % On Item	GST Amount On Item	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1.00	LAB FURNITURE :MODULAR LAB FURNITURE WITH C FRAMES								
1	Design ,supply, Installation and commissioning of best quality factory made ready built Knock down type modular steel laboratory furniture with working height 900mm high as per attached drawings, all surfaces shall be zinc phosphated/degreased and epoxy powder coated with 60 to 80 microns thickness confirming to ASTM/ IS Codes, complete as per standard specifications given in the tender document. . Laboratory furniture shall consists of under structure "C " frame and under bench suspended with sliding arrangement, sink units with internal plumbing, Laboratory bench designed for carrying a loading of 300 kg/sqm, including reagent shelves, wall rails, storage cabinets etc. consisting of the following								
	"C" frame and supporting structure or upright frame members for complete knock down type lab furniture comprising minimum size of 60mm x 40mm x 2 mm thick hollow tubes manufactured from prime quality CRCA steel or standard hot finished welded type hollow tubes, screwed/ rivetted/welded including all cross link members, zinc phosphated/degreased and epoxy powder coated to 60 to 80 microns thickness confirming to required ASTM standards complete. Each C- frame should be provided with height adjusting plastic/cast feet approx. 30mm above the floor for easy cleaning, adjustable to a tolerance of -5/+5mm. Work Top support of C frame assembly shall be of working height from 900mm as per site requirements/architectural drawings. C frame should be provided with a suitable unistuds and angle frame to facilitate holding and sliding horizontally the under bench suspended cabinets. The C frame height shall be 875 mm and 550 mm to 875 mm width with suitable cross members of length 900 mm to 1800 mm as required. Vertical/uprights supports for adjustable reagent shelves, wall rails or supports for adjustable tables/shelves, supporting frame manufactured from prime quality CRCA steel 2 mm thick with height adjustment arrangement for every 25 mm height floor mounted or connected with C frames with nuts and bolts or wall mounted with dash through fasteners of required size etc. complete.								
	Back/end/side panels , made of 1.0mm thick CRCA steel, zinc phosphated/degreased and epoxy powder coated 60-80 microns thickness. All the electrical fittings, wires coming from mains to switches on service panels should be completely enclosed and all entry points of electrical/data/voice services wires/cables should pass through gland protected openings to avoid any accidental situations. All the accessories should have a very high temperature withstanding capacity and electrical insulation properties..								

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	Table top 18mm thick mirror polished jet black granite (of approved quality) with all-round overhang of 30mm from the under structure with full round bull nosing of all exposed faces of granite, granite piece shall be of length minimum 1.8m and maximum 2.4m with joints to suit the bench length as approved by the engineer in charge, fixed to steel sub structure with 6mm thick neoprene levelling strips. Drip groove shall be provided 2-3mm wide and depth to avoid spillage.								
	Skirting of 100mm high with 18mm thick mirror polished jet black granite with half round bull nosing on the top for backsplash. Skirting to be fixed to wall surface with suitable adhesive like Araldite or equivalent. Edge beading for sink with 18mm thick mirror polished jet black granite of width 40mm all around the sink.								
	Under bench suspended base steel cabinets. All cabinet bodies shall be flush front construction with intersection of vertical and horizontal case members, with end panels, top rails, bottoms and vertical posts in same plane without overlap. Exterior corners shall be spot welded with heavy back up reinforcement at exterior corners. All joints shall be welded to provide a continuous flat plane. Suspended cabinets should have a horizontal sliding arrangement with heavy duty nylon rollers. a) Steel used in construction of cases shall be 1.2mm thk except as follows: b) Case and drawer suspension channels shall be of minimum 2mm thk. c) Top and intermediate front horizontal rails, table aprons, hinge reinforcements, and reinforcement gussets shall be of minimum 1.6mm thk. d) Drawer assemblies, door assemblies, bottom, bottom back rail, toe space rail, and adjustable shelves shall be of minimum 1mm thk e) The Underbench storage cabinets shall contain locking arrangement with keys for both drawer and for the shutter.								
	Reagent shelves of 500mm width made of 10mm thick toughened glass in two or more stages above the working bench with suitable CRCA support structure of minimum 1.2mm thick with adjustable arrangements including necessary SS304 railings at 75mm to 100mm high for edge protection to reagent shelves.								
	Sink and Accessories - PP/Epoxy Sink - Size- 550w x 400d x 230h with all accessories. Sink of approved colour, acid and corrosion resistant sink with integral 50mm pipe threaded drain outlet as a one piece unit. Sink shall be injection moulded from pure polyolefins/ co-polymer material with inside corners coved, under counter mounted. Sink shall be provided with the following accessories- 3 way wall/ deck mounted brass water tap with swivelling gooseneck spout with epoxy powder coating with PP handle, Broen, Water saver or equivalent, as per detailed drawing and specification, anti siphon bottle trap, reducing coupler as per the outlet dia, HDPE pipe lengths as required to connect to drain pipe at floor. Work includes making connections in CPVC with water tight joints. Water inlet shall be minimum 25mm dia and drain shall be minimum 50mm dia with PEG BOARD of size 750mm x 750mm made of 1mm thick SS 304 with 33 nos. of projected polypropylene adjustable pegs with minimum spacing of 100mm suitable to hold different sizes of glassware. A drip channel of SS304 - 30 x 30 for full width of pegboard with drain tube shall be provided at the bottom for draining out water. Pegboards shall be fixed on wall or furniture at accessible height.								

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	Work includes cutting opening in granite as per drawing and polishing edges with half round nosing, 3 way Epoxy Powder Coated faucet, Make :- Broen / Water saver or equivalent; .The rate includes cost of providing all internal plumbing lines including internal service corridor for routing the plumbing lines. Sink to be fixed to granite with liquid glue all around with polysulphide sealant.								
	Acrylic Anti Splash Guard of size 400mm High x 900mm Length with 10mm thick @ Sink Area on either side of the sink.								
	Switch & sockets 2 nos of 5 Amps switch & socket and 1 no. of 15 Amps switch & socket at every 0.6m interval with stickering mentioning raw power & UPS, RJ45 sockets 1 no. at every 2m interval								
	Agency to submit shop drawings for approval of Engineer in charge. Rate quoted shall be inclusive of cost of all materials, labour and operations described in the items and as above.								
1.01	Island table 6.7m x 1.8m x 0.9m with 8 nos of underbench storage cabinet of width 900mm, with one drawer and double leaf shutter with one shelf, reagent rack of two stages, Switch and sockets	10	each						
1.02	Island table 6.7m x 1.8m x 0.9m (8 underbench storage cabinet of width 900mm, with one drawer of 900mm width, double leaf shutter with one shelf,sink to one end with swivel tap, shutter for the sink face and bottom sheet under the table, reagent shelves of five stages)	6	each						
1.03	Island table 6.7m x 1.8m x 0.9m (8 underbench storage cabinet of width 900mm, with one drawer of 900mm width and double leaf shutter with one shelf, reagent shelves of five stages)	4	each						
1.04	Island table 3.7m x 1.8m x 0.9m (4 underbench storage cabinet of width 900mm, with one drawer of 900mm width and double leaf shutter with one shelf, reagent shelves of five stages)	3	each						
1.05	Island table 6.7m x 1.8m x 0.9m (8 underbench storage cabinet of width 900mm, with two drawer of 450mm width, double leaf shutter with one shelf, two sinks in the centre with swivel taps, shutter for the sink face and bottom sheet under the table, reagent shelves of 3 stages)	10	each						
1.06	Island table 3.7m x 1.5m x 0.9m (8 underbench storage cabinet of width 900mm, with one drawer of 900mm width and double leaf shutter with one shelf)	2	each						
1.07	Island table 6.3m x 0.9m x 0.9m (no underbench storage cabinet)	1	each						
1.08	Wall table 8.4m x 0.9m x 0.9m (4 underbench storage cabinet of clear width of 2.1m with shutter leaves of min 750mm)	2	each						
1.09	Wall table 6m x 0.9m x 0.9m (4 underbench storage cabinet of clear width of 2m with shutter leaves of min 750mm)	1	each						
1.1	Wall table 0.9m x 0.9m x 0.9m (With one sink, swivel tap, shutter for the sink face and bottom sheet under the table, switch & sockets not required)	2	each						
1.11	Wall table 7.2m x 0.9m x 0.9m (4 underbench storage cabinet of width 900mm, with one drawer of 900mm and double leaf shutter with one shelf)	2	each						
1.12	Wall table 5.6m x 0.9m x 0.9m (3 underbench storage cabinet of width 900mm, with one drawer of 900mm and double leaf shutter with one shelf)	1	each						

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1.13	Wall table 4m x 0.9m x 0.9m (2 underbench storage cabinet of width 900mm, with one drawer of 900mm and double leaf shutter with one shelf)	1	each						
1.14	Wall table 3m x 0.9m x 0.9m (1 underbench storage cabinet of width 750mm, with one drawer of 750mm and double leaf shutter with one shelf)	1	each						
1.15	Wall table 1.2m x 0.9m x 0.9m (1 underbench storage cabinet of width 600mm, single leaf shutter and one shelf, one sink, swivel tap and shutter for the sink face and bottom sheet under the table, switch & sockets not required)	1	each						
1.16	Wall table 5.6m x 0.9m x 0.9m (2 underbench storage cabinet of width 900mm, with one drawer of 900mm and double leaf shutter with one shelf, one sink, swivel tap and shutter for the sink face and bottom sheet under the table)	1	each						
1.17	Wall table 3.2m x 0.9m x 0.9m (2 underbench storage cabinet of width 750mm, with one drawer of 750mm and single leaf shutter with one shelf)	1	each						
1.18	Wall table 2.4m x 0.75m x 0.9m ((2 underbench storage cabinet of width 750mm, with one drawer of 750mm and single leaf shutter with one shelf)	1	each						
1.19	Wall table 7m x 0.9m x 0.9m (3 underbench storage cabinet of width 600mm, single leaf shutter and one shelf, one sink, swivel tap and shutter for the sink face and bottom sheet under the table)	1	each						
1.20	Wall table 6.7m x 0.9m x 0.9m (3 underbench storage cabinet of width 750mm, single leaf shutter and one shelf, two sink, swivel taps and shutter for the sink face and bottom sheet under the table)	1	each						
1.21	Wall table 3m x 0.9m x 0.9m (4 underbench storage cabinet of width 750mm, with one drawer of 750mm and single leaf shutter with one shelf)	1	each						
1.22	Wall table 3.3m x 0.9m x 0.9m (2 underbench storage cabinet of width 900mm, with one drawer of 900mm and single leaf shutter with one shelf, 2 underbench storage cabinet of width 750mm, with one drawer of 750mm and single leaf shutter with one shelf)	1	each						
1.23	Wall table 10.2m x 0.9m x 0.9m (no underbench storage cabinet)	1	each						
1.24	Wall table 6.3m x 0.9m x 0.9m (no underbench storage cabinet)	1	each						
1.25	Wall table 1.2m x 0.9m x 0.9m (With one sink, swivel tap, shutter for the sink face and bottom sheet under the table, switch sockets not required)	1	each						
2	Storage cabinets made of 1.2mm thick CRCA steel with chemical resistance epoxy powder coating (60 to 80 micron thickness matt finish) of approved colour, having double wall construction for side walls, smooth exterior and interior surfaces, cabinet sides with spar edges in the front to accommodate door hinges, sides to have holes to accommodate shelving supports or side, back wrap around body with corner posts with holes to support shelf supports. A steel plinth should be integrated into the carcass with four screw feet for height adjustments (-5/+15 mm). Plinth height 900 mm. Shelving: Shelves shall be constructed from CRCA steel panels (1.0 mm thickness) with all around 27mm strengthening edge; load capacity of 90 kg., height should be adjustable to optimise storage inside the cabinet. Doors should be constructed with double skin construction with sound damping technology, 270° openable 3 axis adjustable hinge or SS304 knuckle hinges with separate door catches for both doors with integrated SS D handle- 160mm high, diameter 10mm.								
2.1	Size- 900w x 560d x 2150h with 5 shelves	11	each						

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2.2	Size- 900w x 560d x 2150h with 5 shelves (Shutters to have 5mm thk toughened glass of four panels each of size 300w x 750 mm)	6	each						
3	Safety shower and Twin cup Eye wash - Emergency shower systems with twin cup eye showers, designed and engineered to secure easy operation. This allows for "one-action" activation of the shower system ensuring immediate and continued flushing without any need for further action. This easy operation also allows the injured person to use both hands to keep his eyes open for effective flushing, to undress under the shower or just to help exposing the affected area for better and more expedient treatment. On the eye shower the nozzles are protected by rubber cups to keep the injured person from hurting himself unintentionally. The nozzles are also protected against dust and dirt by the caps which are removed automatically by the initial jet of water. All eye showers & safety showers are delivered with water regulating devices ensuring 11.5 lit/min for eye wash and 75 lit/min for shower, constant adequate water flow regardless of high water pressure and to be fitted with backflow preventer. Make :- Broen / Water saver.	4	each						
4	Overhead framed glass sliding door cabinets - wall storage units made of CRCA steel with chemical resistance epoxy powder coating (60 to 80 micron thickness matt finish) of approved colour and should be 1.2mm thick, double wall construction for side walls with sound dampening technology or side and back wrap around body with corner posts with holes to support shelf supports, shelves shall be provided, constructed from 1.0mm thick CRCA steel epoxy powder coated with all around 27mm strengthening edge, load capacity of 90 kg/ shelf , height should be adjustable to optimise the storage space in side the cabinet. Framed glass sliding door leaf shall be constructed from 1.2mm thick CRCA/ galvanized steel panels, bent to 20mm thickness all around, dampened with contact cushions with 5mm thk toughened glass at with polished edges fixed to shutter frame with pvc gasket. A guide runner shall be provided at the bottom with plastic coated ball bearings or the shutter should be top hung, supported on a ball bearing nylon roller running in a track attached to the top of the cabinet with a guide rail at the bottom. All cabinets should have load carrying capacity of 90 kg per cabinet. All cabinets should have a magnetic label to show details about it's content. All storage cabinets should be provided with interchangeable cylinder locks.								
4.01	Size: 900w X400d X 750h with 2 adjustable shelves	5	each						

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5	Ducted Storage cabinets made of 1.2mm thick CRCA steel with chemical resistance epoxy powder coating 60 to 80 micron thickness matt finish of approved colour, having double wall construction for side walls, smooth exterior and interior surfaces, cabinet sides with spar edges in the front to accommodate door hinges, sides to have holes to accommodate shelving supports or side, back wrap around body with corner posts with holes to support shelf supports. A steel plinth should be integrated into the carcass with four screw feet for height adjustments (-5/+15 mm). Plinth height 100 mm. Shelving: Shelves shall be constructed from CRCA steel panels (1.0 mm thickness) with all around 27mm strengthening edge; load capacity of 90 kg., height should be adjustable to optimise storage inside the cabinet. Doors should be constructed with double skin construction with sound damping technology, 270° openable 3 axis adjustable hinge or SS304 knuckle hinges with separate door catches for both doors with integrated SS D handle- 160mm high, diameter 10mm. Reagent cabinet should be provided with vent at the top to connect exhaust duct along with following accessories. a) Centrifugal (PP + FRP) lined blower designed to conform to fumehood standards of SEFA and ASHRAE including cost of all necessary accessories such as starters etc. complete. b) Dry scrubber system. c) PP-FRP ducting of wall thickness 3mm PPGL + 3mm FRP for sizes up to 500mm Dia, including PP Damper, FRP lining shall be of fire resistant isothelic resin fume hood underbench connections and necessary MS supports (Enamel paint with primer applied) for ducts.								
5.01	Size- 900w x 560d x 2150h with 5 shelves (Near Fume hood)	2	each						
5.02	Size- 900w x 560d x 2150h with 5 shelves (Near Fume hood)	4	each						
5.03	Size- 900w x 560d x 2150h with 5 shelves	6	each						

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6	<p>Design, Supply & installation of bench top low constant volume fumehood with underbench storage cabinets of 600mm in height connected to a single centrifugal blower, scrubber with suitable ducting and other accessories/appliances/units detailed below and as per detailed specification annexed to this BOQ.</p> <p>a) The C-frame shall be not less than 60mm x 30mm and should be not less than 2mm thick.</p> <p>b) The cover panels shall be of GI epoxy powder coated(minimum 60 micron) not less than 1.2mm thick.</p> <p>c) The work top shall be of 18mm thick jet black granite with PP sink of size oval shaped 102mm x 175mm 'PP' Cup-sink for drainage.</p> <p>d) Lattice rod assemblies 12mm dia solid epoxy coated rods shall be clamped with the PP clamps to form a lattice arrangement should be minimum 200mm horizontally and vertically</p> <p>e) The fumehood consist of air flow monitor, distribution board with rocker switch, LED light (set of two), 3 module plate with socket and tiny trip (set of two), raw water, compressed air, nitrogen flexible tubing service valves</p> <p>f) There shall be 3 underbench storage cabinet for flammable solvent, for storing apparatus and the last one to store acids. The storage cabinets shall have double leaf shutters.</p> <p>g) Centrifugal (PP + FRP) lined blower designed to confirm to fumehood standards of SEFA and ASHRAE including cost of all necessary accessories such as starters etc. complete.</p> <p>h) Dry scrubber system.</p> <p>i) PP-FRP ducting of wall thickness 3mm PPGL + 3mm FRP for sizes up to 500mm Dia, including PP Damper, FRP lining shall be of fire resistant isothelic resin fume hood underbench connections and necessary MS supports (Enamel paint with primer applied) for ducts.</p> <p>j)Utility services piping in fume hoods (for Nitrogen, argon, Compressed air & water), consisting SS 304 pipes of required dia and length, all pipes extended up to 150mm above the Fume hood top including making connections with control valves etc complete internal piping work. Approval to be obtained for shop drawing with scheme before manufacturing.</p>								
6.1	1800(L)x900(D)x1350(H) (Acid storage cabinet, Solvent storage cabinet & Metal powder coated cabinet)	6	each						
6.2	1800(L)x900(D)x1350(H) (Acid storage cabinet, Solvent storage cabinet & Metal powder coated cabinet)	6	each						
6.3	1200(L)x900(D)x1350(H) (Acid storage cabinet & Solvent storage cabinet)	2	each						
6.4	1200(L)x900(D)x1350(H) (Acid storage cabinet & Solvent storage cabinet)	1	each						
7	Instalaltion and Commising Charges,if any	1	No						
8	Any Other Charges if Any	1	No						

FORMAT/QUESTIONNAIR FOR COMPLIANCE OF TERMS AND CONDITIONS

Tender No.: _____

Due Date _____

NOTE:

1. **Quotation will not be considered without submission of this format.**
2. **If a particular question is not at all applicable please write NA in compliance part in Col. No. 4 below.**
3. **Kindly see the relevant terms & conditions of the tender document in each question before replying to the questions mentioned in Col. 2 below).**

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
1	2	3	4
1	a.) Whether quotation is direct from Principal supplier/manufacturer or their own office in India (Please specify)		
	b) Whether quotation is being submitted by Indian Agent/authorized distributor/ dealer		
	c) Whether the agent is registered with DGS&D/NSIC		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
2	Whether techno-commercial Bid contains EMD, technical literature/leaflets, detailed specifications & commercial terms & conditions etc. as applicable.		
3	a) Whether the required Scanned copy of Tender Fee & EMD is being submitted with the quotation		
	b) Please specify the form of EMD whether in the form of DD/bank guarantee or TDR/FDR (Please mention No., date & amount of EMD documents.) or Bid Security Format at Annexure –'C'		
	c) Pre-receipted bill for refund of EMD is enclosed (for bank drafts only)		
4	a. If the prices are on Ex-Works basis or FOB (names port of shipment) or FCA (named place of delivery abroad)		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
	b. Whether specific amounts or percentage of expenses like packing, forwarding, handling, freight, insurance, documentation etc. have been mentioned in quotation separately in clear terms.		
5	a) Whether prevailing rates of sales tax, excise duty & other govt. levies (for indigenous supplies) have been given in quotation		
6	Have you mentioned the validity period of the quotation as per our requirements		
7	a) Whether the Price reasonability Certificate is submitted with quotation		
	b) Whether copies of last two supply orders of the same item from other customers have been attached with the quotation		
8	Whether rates/amount of AMC after the warranty period is over has been mentioned		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
9	Have you gone through the specification Clause & complied with the same		
10	Whether the Make/Brand, Model number and name of manufacturer has been mentioned in the quotation and Printed technical literature/ leaflets of quoted items have been submitted		
11	Whether compliance statement of specifications has been attached with the quotation.		
12	a) Whether the delivery period for supply of the items has been mentioned		
	b) Whether mode of delivery & tentative size & weight of the consignment has also been indicated		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
13	Do you agree to the submission of Performance Bank Guarantee and have you mentioned in your quotation about this.		
14	a) Do you agree with the payment terms for indigenous supplies?		No deviation permitted
	b) Do you agree with the payment terms for imports supplies?		
15	Do you agree about the date of commencement of warranty period & its extension is necessary.		
16	a) Who will install/commission and demonstrate the equipment at IISER Tirupati,		
	b) Will you be able to do it within a month		
17	Have you mentioned the guarantee/warranty period in your quotation and do you agree with guarantee clause?		
18	Spare parts		
19	After Sales service		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
20	a) Do you agree that on receipt of material in damaged condition or short supply you will replace the same on CIF basis, free of cost pending the settlement of the insurance claim?		
	b) Do you agree with the clause of physical inspection?		
21	Whether list of specific user's for the same item & model as quoted along-with performance certificates from the users is submitted with offer		
22	Whether you agree to the penalty clause for late delivery & installation?		
23	Whether training to our scientist/technical person will be given free of cost . If yes, have you specified in quotation whether it will be in our lab? Or at supplier's site in India or abroad.		
24	a) Whether all the pages have been page numbered?		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
	b) Whether quotation has been signed and designation & name of signatory mentioned.		

FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/ Item	Compliance Whether "YES" Or "NO"	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1	2	3	4	5	6



BID SECURITY FORM

Whereas (Hereinafter called “the tenderer”) has submitted their offer dated for the supply of (Hereinafter called “the tender”) against the purchaser’s tender enquiry No. _____

KNOW ALL MEN by these presents that WE (Name of bank) of (Name of country), having our registered office at (Address of bank)

(Hereinafter called the “Bank”), are bound unto ... (Name of purchaser) (Hereinafter called “the purchaser”) in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this day of..... 20.....

THE CONDITIONS OF THESE OBLIGATIONS ARE:

- 1.** If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2.** If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity.
- 3.** If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
- 4.** Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchase will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

The guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the authorized officer of the Bank)

Name and Designation of the Officer
Seal, Name & Address of the Bank and address of the branch



MANUFACTURER'S AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that re binding on the Manufacturer]

Date: [Insert date (as Day, month and year) of Bid submission]

Tender No.: [Insert number from Invitation for Bids]

To: [Insert complete name and address of Purchaser]

WHEREAS

We [insert completer name of Manufacturer], who are official manufacturers of [Insert type of goods manufactured] having factories at [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods], and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty in accordance with the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____ [insert date of signing]



PREVIOUS SUPPLY ORDERS FORMAT

Name of the Firm _____

Order placed by <i>{Full address of Purchaser}</i>	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us.	Has the equipment been installed satisfactorily?	Contact Person along with Telephone no., Fax no. and e-mail address.

Signature and Seal of the Manufacturer/ bidder

Place:

Date:



BIDDER INFORMATION FORM

Company Name : _____
Registration Number : _____
Registered Address : _____

Name of Partners /Director : _____

City : _____
Postal Code : _____

Company's Establishment Year : _____

Company's Nature of Business : _____

Company's Legal Status (tick on appropriate option)
1) Limited Company
2) Undertaking
3) Joint Venture
4) Partnership
5) Others

Company Category
1) Micro Unit as per MSME
2) Small Unit as per MSME
3) Medium Unit as per MSME
4) Ancillary Unit
5) SSI
6) Others

CONTACT DETAILS

Contact Name: _____
Email Id : _____
Designation : _____
Phone No : (_____) _____

Mobile No : _____

BANK DETAILS

Name of Beneficiary : _____
A/c. No. CC/CD/SB/OD: _____
Name of Bank : _____

IFSC NO. (Bank) : _____
Branch Address and Branch Code: _____

Other Details

Vendor's PAN No. _____

Vendor's CST No/LST No/WCT No/TIN No: _____

CERTIFICATE
(to be provided on letter head of the firm)

I hereby certify that the above firm neither blacklisted by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

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

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

PRE CONTRACT INTEGRITY PACT

The specimen of the Pre-Contract Integrity Pact which is part of tender documents is as follows: -

INTEGRITY PACT

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on ____ day of the month ____ 2020 between the Indian Institute of Science Education & Research, Tirupati (herein after referred to as ‘BUYER’), which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s _____ represented by Shri _____ Chief Executive Officer (hereinafter called the “ BIDDER / Seller” , which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

Whereas the BUYER proposes to procure Supply, Installation & Commissioning of _____ and the BIDDER / Seller is willing to offer / has offered the stores and

Whereas the BIDDER is a private company/public company/partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Department of the Government of India under Ministry of Human Resources performing functions on behalf of the President of India.

Now, therefore,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption in any form by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Commitments of the BUYER

- 1.1 The BUYER undertakes that no official of the BUYER, connected directly or Indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the Contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all Bidders alike, and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.
- 1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

In case any such preceding misconduct on the part of such official (s) is reported by the Bidder to the BUYER, with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

Commitments of BIDDER

2. The BIDDER commits himself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits himself to the following:
 - 2.1 The BIDDER will not offer, directly or through intermediaries, any bribe, Consideration, gift, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with bidding process, or to any person,

organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the Contract.

- 2.2 The BIDDER further undertakes that he has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the Contract or any other Contract with the BUYER for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with respect to the BUYER's Organization.
- 2.3 BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 2.4 BIDDERS shall disclose the payments to be made by them to agents/brokers on any other intermediary, in connection with this bid/contract.
- 2.5 The BIDDERS further confirms and declares to the BUYER that the BIDDER is the original manufacturer/ integrator/ authorized Govt. sponsored Export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER, or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER; nor has any amount been paid, promised or intended to be paid to any such individual, firm or Company in respect of any such intercession, facilitation or recommendation.
- 2.6 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 2.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 2.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 2.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business

details; including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

2.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

2.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

2.12 If the BIDDER or any employee of BIDDER on any person acting on behalf of BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest / stake in the BIDDERS firm, the same shall be disclosed by the BIDDER at the time of filling of tender.

The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956.

3. Previous Transgression

3.1 The BIDDER declares that no previous transgression occurred in the last three years -immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged herein or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDERS' exclusion from the tender process.

3.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

4. Earnest Money/Security Deposit

4.1 While submitting commercial bid, the BIDDER shall deposit an amount * _____ (to be specified in RFP) as Earnest Money/ Security Deposit with the BUYER through any of the following instruments:

- i. Bank Draft or a Pay Order in favour of the BUYER payable at location of/specified by the BUYER.
- ii. A confirmed guarantee by an Indian Nationalized Bank, promising payment of the guaranteed sum to the BUYER, on demand within three working days without any demur whatsoever and without

seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof for payment.

4.2. The Earnest Money/Security Deposit shall be valid up to a period of five years

or the complete conclusion of contractual obligations to complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is later.

- 4.3 In the case of successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the Provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this pact.
- 4.4 No interest shall be payable by the BUYER to the BIDDER(s) on Earnest Money/ Security Deposit for the period of its currency.

5. Sanctions for Violation

Any breach of the aforesaid provisions by the BIDDER or any one employed by him or acting on his behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following action, wherever required: -

(i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

(ii) The Earnest Money (in pre - contract stage and /or/ Security deposit/Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.

(iii) To immediately cancel the contract, if already signed without giving any compensation to the BIDDER.

(iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due by the BUYER to the BIDDER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

(v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest,

(vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money due to the BIDDER.

(vii) To debar the BIDDER from participating in future bidding process of the Government of India for a minimum period of five years, which may be further extended at the discretion of the BUYER.

(viii) To recover all sums paid in violation of this pact by the BIDDER(s) to any middleman or agent or broker with a view to securing the contract.

(ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.

(x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.1 The BUYER will be entitled to take or any of the actions mentioned at para 5.1 (i) to (x) of the Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act 1988 or any other statute enacted for prevention of corruption.

5.2 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitors appointed for the purpose of the Pact.

6. Fall Clause

6.1 The Bidder undertakes that he has not supplied/is not supplying the similar systems or subsystems at a price lower than that offered in the present bid in respect of any other Defence/ Public Sector Undertakings/Public sector undertakings/Ministry of Defence and if it is found at any stage that the similar system or sub-system was supplied by the BIDDER to any other Defence Public Sector Undertakings/Public Sector Undertaking/Ministry of Defence at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

7. Independent External Monitor(s)

7.1 The BUYER is in the process of appointing independent Monitors (herein after referred to as Monitors), for this Pact in consultation with Central Vigilance Commission.

7.2 The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitor shall not be subject to instructions by the representatives of the parties and performs their functions neutrally and independently.



- 7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project / procurement, including minutes of meetings.
- 7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the IISER.
- 7.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER(s) / Contractor(s) / Subcontractor(s) with confidentiality.
- 7.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the BUYER and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 7.8 The Monitor will submit a written report to the Director IISER, Tirupati within 8 to 10 weeks from the date of reference or intimation to him by the BUYER and BIDDER and should the occasion arise, submit proposals for correcting problematic situations.

8. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

9. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and Jurisdiction is Tirupati.

10. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings

11. Validity

- 11.1 The validity of this Integrity Pact shall be from date of its signing and extend up to 5 years or till the complete execution of the contract to the satisfaction of both the BIDDER and the BUYER, whichever is later.



11.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions

12 The Parties hereby sign this Integrity Pact at _____ on _____

BUYER
Name of the Officer
Designation
IISER Tirupati

BIDDER

Witness

Witness

1. _____

1. _____

2 _____

2 _____

Checklist for BIDDERS

BIDDERS to indicate whether the following are enclosed/mentioned by striking out the non-relevant option

Envelope-1(Technical-Bid) (Following documents to be provided as single PDF file)				
Sl. No.	Documents	Content	File Types	Document Attached
1	Technical Bid	Scan copies of both Tender Fee of Rs.1,000/- and EMD of Rs.15,75,000.00	.PDF	(Yes /No)
2		Format/Questionnaire for compliance as per Annexure- 'A'	.PDF	(Yes /No)
3		Format of compliance statement of specification as per Annexure-'B'	.PDF	(Yes /No)
4		Bid security Form as per Annexure-'C'(as applicable)	.PDF	(Yes /No)
5		Manufacturer's Authorization Form as per Annexure-'D'	.PDF	(Yes /No)
6		Previous Supply Order Format as per Annexure-'E'	.PDF	(Yes /No)
7		Bidder Information form as per Annexure-'F'	.PDF	(Yes /No)
8		Blacklist certificate as per Annexure-'G'	.PDF	(Yes /No)
9		A copy of the Un-priced Commercial bid	.PDF	(Yes /No)
10		List of deliverables as per Chapter- 4	.PDF	(Yes /No)
11		Solvency certificate for Rs 126.00 lakhs(One Crore Twenty Six Lakh) (not older than twelve months) issued by scheduled/nationalized bank with which BIDDER holds the current account	.PDF	(Yes /No)
12		Undertaking that the successful BIDDER agrees to give a 10 % security deposit and Performance Bank Guarantee	.PDF	(Yes /No)
13		Self-Attested copy of GST Number (as applicable)	.PDF	(Yes /No)
14		Tender Terms & Conditions Acceptance signed with official seal is attached	.PDF	(Yes /No)
15		The design details of the fume hood, blower & scrubber to be submitted as part of the technical bid.	.PDF	(Yes /No)
16		A 2D drawing of the lab with all furniture as well as the isometric view of each individual table & fume hoods, also the ducting layout with the scrubber and blower to be submitted as part of the technical bid.	.PDF/ .DWF	(Yes /No)
Envelope-2(Financial-Bid)				
Sl. No.	Documents	Content	File Types	Document Attached
1	Financial Bid	Price bid should be submitted in Excel Format	.xls	(Yes /No)



IMPORTANT NOTICE

TENDERERS RESPONDING TO THIS ENQUIRY SHALL BE DEEMED TO BE AGREEABLE TO THE TERMS AND CONDITIONS HEREIN CONTAINED. THESE TERMS AND CONDITIONS SHALL BE BINDING ON THE SUCCESSFUL TENDERER. CONDITIONAL TENDERS ARE LIABLE TO BE REJECTED. IISER TIRUPATI WILL PROCESS THE TENDER AS PER IISER TIRUPATI STANDARD PROCEDURES. THE DIRECTOR OF THE INSTITUTE RESERVES THE RIGHT TO REJECT ANY OR ALL OR PART OF TENDER WITHOUT ASSIGNING ANY REASON AND SHALL ALSO NOT BE BOUND TO ACCEPT THE LOWEST TENDER. IISER TIRUPATI WOULD NOT BE UNDER ANY OBLIGATION TO GIVE ANY CLARIFICATIONS TO THE AGENCIES WHOSE BIDS ARE REJECTED.

I agree to all terms and conditions mentioned in the tender document of the Institute

Signature of the Tenderer