



श्री विश्वकर्मा कौशल विश्वविद्यालय

(हरियाणा सरकार, एक्ट संख्या 25, 2016 के तहत)

Shri Vishwakarma Skill University

Palwal-121102, Haryana

Tender Document for

(Supply and Installation of Chemistry Lab)

Tender No: SVSU/2024/SFASH/T001

Dated: 03/12/2024

1. Notice Inviting Quotation

Sub: Notice Inviting Tenders for Supply and Installation of Chemistry Lab.

Shri Vishwakarma Skill University, Haryana invites online Tender: **“Supply and Installation of Chemistry Lab”** through e-procurement on portal <https://etenders.hry.nic.in> from reputed Manufacturers/Authorized Dealers/Distributors/Agent as per TENDER document. The TENDER documents may also be downloaded from website (<http://www.svsu.ac.in>) of Shri Vishwakarma Skill University, Haryana for reference only. A minimum eligibility criterion has been given in TENDER document.

Apart from uploading e-tender on website, bidder has to deposit EMD and Tender Fee + E-service fees along-with other documents.

1.1. SCHEDULE

1 (Tender Fee + E-Service Fee) + GST		
(1) For Haryana based manufacturing Micro and Small Enterprises (MSEs) & Khadi Village Industries Unit eligible as per the “Haryana State Public Procurement Policy for MSME -2016” notified vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016/ for Startups as notified vide G.O. No.2/2/2016-4IBII dated 03.01.2019.	NIL	
(2) For remaining bidders both from the Haryana and Non Haryana (Tender Fee + E-Service Fee) + GST	(5000/- + 1000/-) + 1080/- = 7080/- (Rupees Seven Thousand Eighty only)	
2 EMD Amount		
(1) For Haryana based manufacturing Micro and Small Enterprises (MSEs) & Khadi Village Industries Unit eligible as per the “Haryana State Public Procurement Policy for MSME -2016” notified vide G.O. No. 2/2/2016-4I BII(1) dated 20-10-2016/ for Startups as notified vide G.O. No.2/2/2016-4IBII dated 03.01.2019.	NIL	

	(2) For remaining bidders both from the Haryana and Non Haryana	2%
3.	Performance Security	5% of the Purchase order Value
4.	Product Warranty Period	Minimum 3 Years/As per product specifications.
5.	Issue of Tender Document	06-12-2024 at 17:00 Hrs.
6.	Online Tender Purchase Start Date	06-12-2024 at 17:00 Hrs.
7.	Online Tender Purchase End Date	27-12-2024 at 15:00 Hrs.
8.	Last date for receipt of queries	09-12-2024 at 17:00 Hrs.
9.	Date of pre bid meeting	12-12-2024 at 11:00 Hrs.
10.	Online proposal Submission Start Date	06-12-2024 at 17:00 Hrs.
11.	Online proposal Submission End Date	27-12-2024 at 15:00 Hrs.
12.	Opening of Technical Bid	31-12-2024 at 11:00 Hrs.
13.	Technical Presentation	Subsequent date to be informed later
14.	Financial Bid	Subsequent date to be informed later
15.	Validity period of Proposal	360 days
16.	Address of Communication	Registrar Shri Vishwakarma Skill University, Dudhola, Palwal, Haryana-121102
17.	Contact Phone Numbers	0124-2746800
18.	E-mail Address	tenders@svsu.ac.in

- Tender document can also be downloaded from University Website www.svsu.ac.in
- # University reserved the right to change any Date, Time and condition of Tendering without assigning any reasons and reserve all the rights.
- Amendments to TENDER, if any, shall be published on e-procurement <https://etenders.hry.nic.in> and SVSU website not in newspaper. The Shri Vishwakarma Skill University, Haryana reserves all the rights to accept or reject any or all tenders without assigning any reasons.
- **Location of supply** will be Shri Vishwakarma Skill University Campus, Village Dudhola, District Palwal, Haryana and place of installation will be Chemistry Lab, Ground Floor, 3W Block, SVSU Campus, Dudhola, Palwal.

1.2. DISCLAIMER

The information contained in this Tender document or subsequently provided to the bidders, whether verbally or in documentary or any other form by or on behalf of Shri Vishwakarma Skill University, Haryana is provided to bidder on the terms and conditions set out in this TENDER and such other terms and conditions subject to which such information is provided.

Information provided in this TENDER to the bidders is on a wide range of matters, some of which depends upon interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Shri Vishwakarma Skill University, Haryana accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.

Shri Vishwakarma Skill University, Haryana also accepts no liability of any nature whether resulting from negligence or otherwise however caused arising from reliance or any bidder upon the statements contained in this TENDER.

Shri Vishwakarma Skill University, Haryana may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this TENDER.

The issue of this TENDER does not imply that Shri Vishwakarma Skill University, Haryana is bound to select a bidder or to appoint the Selected Bidder, as the case may be, for the Consultancy and Shri Vishwakarma Skill University, Haryana reserves the rights to reject all or any of the Proposals without assigning any reasons whatsoever.

The bidder shall bear all its costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by Shri Vishwakarma Skill University, Haryana or any other costs incurred in connection with or relating to its Proposal. All such costs and expenses will remain with the bidder and Shri Vishwakarma Skill University, Haryana shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a bidder in preparation or submission of the Proposal, regardless of the conduct or outcome of the Selection Process.

2. Instructions to Bidders

2.1. Subject: Invitation for Supply and Installation of Chemistry Lab

Shri Vishwakarma Skill University, invites online Bids (Technical bid and Financial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer/Distributors/Agent for **Supply and Installation of Chemistry Lab** with warranty period as stated at “Schedule “on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document.

Bidders can access tender documents on the website of the University and fill them with all relevant information and submit the completed tender document with Tender Fee and EMD amount online as per the schedule to <https://etenders.hry.nic.in>.

2.2. INSTRUCTION TO BIDDER FOR E-TENDERING

***Note:** Following conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.*

2.2.1. E-Tendering:

- 2.2.1.1. For participation in e-tendering module of Shri Vishwakarma Skill University, Haryana it is mandatory for prospective bidders to get registration on website <https://etenders.hry.nic.in>. Therefore, it is advised to all prospective bidders to get registration by making on line registration fees payment at the earliest.
- 2.2.1.2. Tender documents can be downloaded from website <http://www.svsu.ac.in>. However, the bidders have to upload complete tender document online along-with deposit of EMD amount and Tender Document Fee + E-service fee and without EMD amount and Tender Document Fee + E-service fee bids will not be accepted.
- 2.2.1.3. E-service/gateway charges shall be borne by the bidders.
- 2.2.1.4. As per the directions of the Controller of Certifying Authorities, Ministry of Communication and Information Technology, Government of India, a **Class II Digital Certificate** shall be required to bid for all tenders solicited electronically. If the bidder does not have such a certificate, it may be obtained from any of the registering authorities or certification authorities. Kindly note that it may take at least three-five business days for the issue of a digital certificate. Bidders are advised to plan their time accordingly. Shri Vishwakarma Skill University, Haryana shall bear no responsibility for accepting bids which are delayed due to non-issuance or delay in issuance of such digital certificate.
- 2.2.1.5. If bidder is bidding first time for e-tendering, then it is

obligatory on the part of bidder to fulfil all formalities such as registration, obtaining Digital Signature Certificate etc. well in advance.

- 2.2.1.6. Bidders are requested to visit our e-tendering website regularly for any clarifications and/or due date extension or corrigendum.
- 2.2.1.7. Bidder must positively complete online e-tendering procedure at <https://etenders.hry.nic.in>
- 2.2.1.8. Shri Vishwakarma Skill University, Haryana shall not be responsible in any way for delay / difficulties / inaccessibility of the downloading facility from the website for any reason whatsoever.
- 2.2.1.9. For any type of clarifications bidders/contractors can visit <https://etenders.hry.nic.in> and <http://www.svsu.ac.in>.
- 2.2.1.10. The bidder whosoever is submitting the tender by his Digital Signature Certificate shall invariably upload the scanned copy of the authority letter.
 - 2.2.1.10.1. TENDER cost + E-service Fee and EMD Amount.
 - 2.2.1.10.2. Affidavits.
 - 2.2.1.10.3. Authority Letter to Sign on behalf of Consultant.
 - 2.2.1.10.4. Authority Letter for use of Digital Signature.
 - 2.2.1.10.5. Technical Bid with all relevant enclosures.
 - 2.2.1.10.6. All documents to be submitted by the firms should be duly attested by gazetted officer/ notary public in case these are copies of the original documents. No unattested documents will be entertained.

The prospective bidders will upload scanned self-certified copies of requisite documents as required in e-tendering process.

- 2.2.1.11. The Tender document cost+ E-Service Fee is to be deposited online by bidder.
- 2.2.1.12. The tenders uploaded without/incomplete/partial EMD and tender fee + E-service fees shall be disqualified.
- 2.2.1.13. The EMD amount is to be deposited online by bidder.
- 2.2.1.14. The tender documents fees shall not be refunded.
- 2.2.1.15. If the tenders are cancelled or recalled on any grounds, the Tender Document Fee and e-Service Fee will not be refunded to the bidder.
- 2.2.1.16. No Proposal will be accepted without valid TENDER cost and Earnest Money Deposit.

2.2.2. Technical bid: -

Bidders must positively complete online e-tendering procedure at <https://etenders.hry.nic.in>. They shall have to submit the documents as prescribed in the TENDER online in the website. The website/e-portal may accept a file sizing upto 10 MB, however, the bidders may

submit their complete bids (with all the requisite documents) in multiple files.

2.2.3. Financial bid: -

Bidder must submit the Price/Financial bid document as per the format given in TENDER/available online and uploaded as per instructions therein. **Physical submission of price bid will not be considered.** The financial bids of technically qualified bidders shall be opened online at the notified date. The bidder can view the financial bid opening date by logging into web-site.

2.2.4.1. On the due date of e-tender opening, the technical bids of bidders will be opened online. Shri Vishwakarma Skill University, Haryana reserves the right for extension of due date of opening of technical bid.

2.2.4.2. Shri Vishwakarma Skill University, Haryana reserves the right to accept or reject any or all tenders without assigning any reason what so ever.

2.2.4.3. In case, due date for opening of tender happens to be a holiday, the due date shall be shifted to the next working day for which no prior intimation will be given.

2.2.4.4. Any change/modifications/alteration in the TENDER by the Bidder shall not be allowed and such tender shall be liable for rejection.

For amendment, if any, please visit <https://etenders.hry.nic.in> web site regularly. In case of any bid amendment and clarification, the responsibility lies with the bidders to note the same from web site. The **Shri Vishwakarma Skill University, Haryana** shall have no responsibility for any delay/omission on part of the bidder.

<< Organization Letter Head >>

3. TERMS and CONDITIONS

3.1 Due date: The tender has to be submitted online on or before the due date. The offers received after the due date and time will not be considered. No application will be received through e-mail/fax. The University would not be responsible for any delay.

3.2 Tender Fee (Non-Refundable): The Bidder should submit a non-refundable tender fee online. The Technical Bid without Tender fee would be considered as UNRESPONSIVE and will not be accepted. The tender fee will not be returned/refunded to any Bidder in any circumstances. If the tenders are cancelled or recalled on any grounds, the Tender Document Fee and e-Service Fee will not be refunded to the bidder.

3.3 Preparation of Bids: The Technical and financial offer/bid should be submitted online. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid.

All documents to be submitted by the firms should be duly attested by gazetted officer/ notary public in case these are copies of the original documents. No unattested documents will be entertained.

3.4 Earnest Money Deposit (EMD) (if applicable): While submitting bid, the BIDDER shall deposit an amount mentioned in tender document as Earnest Money, with the Institute through the following instruments:

3.4.1 The Bidder should submit an EMD amount online. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful Bidder after the award of the Purchase Order. The Earnest Money Deposit (EMD) in other form viz., Pay Order/Cheque etc. shall not be accepted.

3.4.2 No interest shall be payable by the BUYER to the BIDDER on Earnest Money for the period of its currency.

3.5 Refund of EMD: The EMD will be returned to unsuccessful Bidders only after the award of Purchase Order. In case of successful Bidder, EMD will be returned after the submission of Performance Bank Guarantee.

EMD will not be refunded, if the order is not accepted. In case, the offer is accepted, but not honoured by the Bidder, the EMD will be forfeited. The EMD will also be forfeited, if wrong information is furnished or any vital information is concealed in the tender document.

If the tenders are cancelled or recalled on any grounds, the EMD will be returned to the bidder.

- 3.6 Opening of the tender:** The bid will be opened by a committee duly constituted for this purpose in presence of Bidder's representative if available. Only one representative will be allowed to participate in the tender opening. Bid received without or incomplete Tender Fee or EMD will be rejected out rightly. The technical bid will be opened first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which are technically qualified as per the specification, and will be opened in the presence of the bidder's representatives subsequently for further evaluation. The Bidder if interested may participate on the tender opening Date and Time. The Bidder should produce authorization letter from their company to participate in the tender opening. The University may call bidders for demonstration and presentation of the equipment during technical evaluation. The cost for the demonstration will be borne by the supplier and University will not pay any TA/DA for presentation/demonstration. If any firm fails to successfully demonstrate the system quoted by them, the Bid of that firm will not be considered.

- 3.7 Acceptance/ Rejection of bids: The Committee reserves the right to reject any bid not fulfilling the eligibility criteria.**

Eligibility Criteria:

- 3.7.1** Bidder should be the manufacturer/authorized dealer/distributors/agent. Letter of Authorization from original equipment manufacturer (OEM) specific to the tender should be enclosed (Annexure – IX).
- 3.7.2** An undertaking from the OEM is required stating that they would facilitate the Bidder on a regular basis with technology/product updates and extend support for the warranty as well. (Annexure - IV)
- 3.7.3** OEM should be Nationally/Internationally reputed Company.
- 3.7.4** Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between Bidder specification and supporting documents etc. may lead to rejection of the bid.
- 3.7.5** In the tender, either the agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
- 3.7.6** If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- 3.7.7** Sample for offered items may be asked from tender during technical evaluation.
- 3.7.8** The Agency should not have incurred any loss for the last 3 financial years which is mandatory. Bidders should submit audited statement and Financial assessment copy/Income Tax Return Copy showing their net balance / Profit for last three financial years

3.8 Performance Security:

3.8.1 Performance Bank Guarantee is mandatory.

3.8.2 The Successful Bidder shall require to submit the performance security/Guarantee in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank for an amount which is stated at the "Schedule" of the tender document within 21 days from the date of receipt of the purchase order and should be kept valid for a period of 60 days beyond the date of completion of warranty period. The Performance security in other form viz., FD/Term Deposit Receipt etc. shall not be accepted.

3.8.3 The Successful Bidder shall submit performance security/Guarantee as prescribed above to be received in the office Registrar, Stores & Purchase Section on or before 21 days from the date of issue of order acknowledgement. The performance bank guarantee to be furnished in the form of Bank Guarantee as per Annexure-VII of the tender documents, for an amount covering 10% of the purchase order value.

3.8.4 The Performance Bank Guarantee should be established in favour of Shri Vishwakarma Skill University," through any Bank situated at Gurugram or outstation with a clause to enforced the same on their local branch at Gurugram. Performance Bank Guarantee shall be for the due and faithfully performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful Bidder and the purchaser under the terms and conditions of acceptance to tender.

3.8.5 If the supplier shall not submit the performance security within 21 days from the date of receipt of purchase order and if there is delay in submission of performance security, purchase order may be cancelled. The competent authority may accept the performance security after the above mention deadline of 21 days subject to submission of justification by the Bidder, however the decision of the competent authority is final in this regards.

3.8.6 The successful Bidder is entirely responsible for due performance of the contract in all respects according to the speed, intent and meaning of the terms and conditions and specification and all other documents referred to in the acceptance of tender.

3.8.7 The performance bank guarantee shall be kept valid during the period of contract.

3.9 Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

3.9.1 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 Purchaser either in its sovereign or contractual

capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

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

3.10 Risk Purchase Clause: In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.

3.11 Packing Instructions: Each package will be marked on three sides with proper paint/indelible ink, the following:

3.11.1 Item Nomenclature

3.11.2 Order/Contract No.

3.11.3 Country of Origin of Goods

3.11.4 Supplier's Name and Address

3.11.5 Consignee details

3.11.6 Packing list reference number

3.12 Delivery and Documents: Delivery of the goods should be made within a maximum of 06 weeks from the date of placement of purchase order at Shri Vishwakarma Skill University Campus, Village Dudhola, District Palwal, Haryana and place of installation will be Chemistry Lab, Ground Floor, 3W Block, SVSU Campus, Dudhola, Palwal or at that place to be informed by the SVSU. The delivery period can be extended by the Registrar, Shri Vishwakarma skill university, Palwal, only in exceptional cases on written request of the Supplier giving reason/explaining circumstances due to which delivery period could not be adhere to. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:

3.12.1 4 Copies of the Supplier invoice showing contract number, goods description, quantity

3.12.2 unit price, total amount;

3.12.3 Insurance Certificate if applicable;

3.12.4 Manufacturer's/Supplier's warranty certificate;

3.12.5 Inspection Certificate issued by the nominated inspection agency, if any

3.12.6 Supplier's factory inspection report; and

3.12.7 Certificate of Origin (if possible, by the beneficiary);

3.12.8 Two copies of the packing list identifying the contents of each package.

- 3.12.9** The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.
- 3.13 Liquidated Damages (L.D)/Penalty for Non-execution of Order:** If a supplier fails to execute the order in time as per the terms and conditions stipulated therein, it will be open to the purchaser to recover liquidated damages for delay in delivery and installation from the supplier at the rate 1% (one percent) of the total cost of the material/contract per week or such other amount as the Registrar, SVSU, Palwal may decide till the supply/work remains incomplete, provide that the total amount of the compensation shall not exceed 10% (ten percent) of the total cost of the material/contract. After the lapse of 15 days beyond the stipulated/extended period, it will be the discretion of the University to cancel the supply/work execution order at the risk and the cost of the Supplier/contractor. Besides, forfeiture of the Earnest Money, the University shall be at liberty to take such action as recovery of compensation to the extent of 10% of the amount of the supply/contract order, blacklisting, etc. An appeal against this penalty shall, however, lie with the Hon'ble Vice-Chancellor (VC), Shri Vishwakarma Skill University, Palwal, whose decision shall be final.
- 3.14 Prices:** The price should be quoted in net per unit (after breakup) and must include all packing, forwarding, freight, insurance charges, loading, unloading and delivery charges etc. may be quantified in terms of amount. These charges may not be payable against such vague statement as "packing, forwarding, freight, insurance charges, loading, unloading and delivery charges etc. extra". The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated. **Charges not mentioned in the quotation/tender shall not be paid.**
- 3.15 Rate contract with GEM or DS&D (Haryana):** If the bidder or their Principals are on rate contract with **GEM or DS&D (Haryana)**, this shall be mentioned specifically in the offer and a photocopy of the same, duly attested, may be appended.
- 3.16 Progress of Supply:** Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under:
- 3.16.1** Quantity offered for inspection and date
 - 3.16.2** Quantity accepted/rejected by inspecting agency and date
 - 3.16.3** Quantity dispatched/delivered to consignees and date
 - 3.16.4** Quantity where incidental services have been satisfactorily completed with date
 - 3.16.5** Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date
 - 3.16.6** Date of completion of entire Contract including incidental services, if any

- 3.16.7** Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified).
- 3.17 Resolution of Disputes:** The dispute resolution mechanism would be as follows:
- 3.17.1** In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Vice Chancellor, Shri Vishwakarma Skill University and if he is unable or unwilling to act, the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- 3.17.2** In the case of a dispute between the purchaser and a Foreign Supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (i) 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.
- 3.17.3** The venue of the arbitration shall be the place from where the order is issued.
- 3.18 Applicable Law:** The place of jurisdiction would be Palwal Haryana.
- 3.19 Right to Use Defective Goods:** If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.
- 3.20 Transfer and Subletting:** The supplier shall not sublet, transfer, assign or otherwise part with the acceptance to the tender or any part thereof, either directly or indirectly, without the prior written permission of the Purchaser.
- 3.21 Supplier Integrity:** The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.
- 3.22 Installation & Demonstration:** The supplier is required to do the installation and demonstration of the equipment within one week of the arrival of materials at the SVSU, Palwal, site of installation, otherwise the penalty clause will be the same as per the supply of materials. In case of any damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his

claim with the insurance company as per his convenience. SVSU will not be liable to any type of losses in any form.

- 3.23 Insurance:** For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning. In case of orders placed on FOB/FCA basis, the purchaser shall arrange Insurance. If orders placed on CIF/CIP basis, the insurance should be up to SVSU, Palwal Campus.

3.24 Warranty:

3.24.1 Warranty period shall be (as stated at "Schedule "of this tender) from date of installation of Goods and acceptance at SVSU. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site.

3.24.2 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall arrange to repair or replace the defective goods or parts within 10 days free of cost in SVSU Palwal Campus. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. The period for correction of defects in the warranty period is 10 days. If the supplier having been notified fails to remedy the defects within 10 days, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract.

3.24.3 The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned. The comprehensive warranty will commence from the date of the satisfactory installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components.

- 3.25 Governing Language:** The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.

- 3.26 Applicable Law:** The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.
- 3.27 Notices:**
- 3.27.1** Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX or e mail and confirmed in writing to the other party's address.
- 3.27.2** A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 3.28 Taxes:** Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.
- 3.29 Payment:** For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at SVSU, Palwal Campus in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 3.7 of tender terms and conditions.
- 3.30 User list:** Brochure detailing technical specifications and performance, list of industrial and Government educational establishments where the items enquired has been supplied by the Bidder has undertaken such work during last three years must be provided. (Annexure-V).
- 3.31 Manuals and Drawings:**
- 3.31.1** Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications.
- 3.31.2** The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract.
- 3.31.3** Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.
- 3.32 Application Specialist:** The Bidder should mention in the Techno-Commercial bid the availability and names of Application Specialist and Service Engineers in the nearest regional office. (Ref. to Annexure-VI)
- 3.33 Site Preparation:** The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete

details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.

The supplier may visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.

3.34 Spare Parts: The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier. Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and In the event of termination of production of the spare parts; Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested. Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.

3.35 Defective Equipment: If any of the equipment supplied by the Supplier is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the faculty/expert committee (constituted by The Registrar/Dean Academic) will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Supplier with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 7 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, SVSU may consider "Banning" the supplier.

No payment shall be made for rejected material nor would the Supplier be entitled to claim for such items. Rejected items would be removed by the Supplier from the site within two weeks of the date of rejection at his own cost. In case they are not removed they will be auctioned at the risk and responsibilities of the Supplier without any further notice.

3.36 Termination for Default:

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

- 3.36.1.1. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order, or within any extension thereof granted by the Purchaser.
- 3.36.1.2. If the Supplier fails to perform any other obligation(s) under the Contract.
- 3.36.1.3. If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 3.36.2 **For the purpose of this Clause:**
 - 3.36.2.1. **“Corrupt practice”** means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
 - 3.36.2.2. **“Fraudulent practice”** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidder (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.
- 3.36.3 In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.
- 3.37 **Shifting:** Once our new Academic Block will be ready, the supplier has to shift and reinstall the instrument free of cost to that new Academic Block.
- 3.38 **Reservation of Rights:** University reserved the right to enhance or mitigate the quantity without any notice.
- 3.39 **Training of Personnel:** The supplier shall be required to undertake to provide the technical training to the personnel involved in the use of the equipment at the Institute premises, immediately after completing the installation of the equipment as per Annexure-X
- 3.40 **Compliance certificate:** This certificate must be provided indicating conformity to the technical specifications. (Annexure-II)
- 3.41 **Evaluation of Offer:**
 - 3.41.1 L1 will be decided on the basis of the total as quoted in the price bid.
 - 3.41.2 Offer which deviates from the vital conditions (as illustrated below) of the tender shall be rejected:
 - 3.41.2.1. Non submission of complete offers.
 - 3.41.2.2. Receipt of offers after due date and time and or by email / fax (unless specified other-wise).

- 3.41.3** In case any BIDDER is silent on any clauses mentioned in this tender document, the Institute shall construe that the BIDDER had accepted the clauses as per the invitation to tender.
- 3.41.4** No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
- 3.42** **Negotiation of Rates:** Regarding negotiations of rates, policy issued by the State Government vide G.O. No.2/2/2010-4-IB-II dated 18.06.2013, G.O. No.2/2/2010-4-IB-II dated 16.06.2014, G.O. No.2/2/2010-4-IB-II dated 09.02.2015 will be applicable. The policy guidelines are available at <https://haryanaeprocurement.gov.in> on home page under section as Tender Forms."
- 3.43** The Financial bids of only those bidders will be opened who qualify on the basis of their Technical Bids. The date & time of opening of the Financial bids will be intimated in the due course.
- 3.44** The offer without prescribed earnest Money, tender Fee & E-Service fee is liable to be summarily rejected. The deficiency in the remaining documents and tender requirement can be made subject to the decision by the competent authority of the university.
- 3.45** Any company/firm/dealer/manufacture black listed by Central/State Government/Autonomous organization are not entitled to submit the tender. If it is submitted, it will be rejected and Earnest Money Deposit or/and Performance security will be seized and legal action will be taken against them.
- 3.46** Any or all tenders can be rejected by the Registrar, SVSU on the recommendation of tender committee without assigning any reason at any stage. It cannot be challenged in any court.
- 3.47** Tenders which do not fulfil any or all of the above conditions or incomplete, are liable for rejection.
- 3.48** Bidder should abide to all terms and conditions stipulated in tender document for which he has to submit the affidavit.
- 3.49** The foreign manufacturer or their Indian representative will ensure a proper after sales service as per requirement from time to time, against the guarantee/warranty clause as per the terms and conditions agreed. Any negligence on this account shall be the sole responsibility of foreign bidder and liability for compensation will be fixed up by the Department.
- 3.50** Legal action may be initiated against such Bidder in case any of the information submitted by the Bidder is found to be false at any stage of the contract.

<< Organization Letter Head >>

4. Technical Specification and Compliance Sheet

Tender Criterion: The Purpose of buying the lab/equipment is for proper education of students & make them employable in Industry. Hence the equipment availability & reliability should be in high order with latest version. In order to ensure flaw less service back up and 100% Equipment availability without any down time is necessary.

1. The offered Model of OEM must be working in Indian Conditions, without any Problems. Minimum 2 performance reports to be submitted.
2. Company should have Experience in installation, Service and Training of such lab/equipment in Indian Environment. Detailed list to be submitted.
3. OEM should have service branch in the nearest possible locations to the University; and the OEM should also have spares etc. stored in India (nearest possible location).
4. The Bidder should be able to provide support for hardware components (spares, accessories and consumables) and the software for a minimum period of 10 years from the date of commissioning.
5. The bidder should provide free updates for the software installed time to time.
6. The Bidder should provide Instruction Manuals, Operation Manuals, Safety Manuals, Training Modules, Relevant manuals, Problems with solutions, literature and standard Programme tutorials both hard and soft copy and also provide the display boards.
7. Supplier has to give full warranty of the system for Three Year.
8. All accessories (Connecting pipes/tubes/ electrical cables, etc.) will be supplied by the vendor for each unit for smooth running of Lab.
9. Concerned Department may visit the OEM premise before dispatch of machine.
10. Incomplete or partial bidding will not be accepted; in such case the bid will not be considered. Supplier should supply all the equipments mentioned in the tender document on turnkey basis.
11. The systems should be complete in all respect including spares, Consumables and accessories including for 3 years but not limitation to following. The warranty period will be three years' duration for each item on comprehensive basis.

Specification and Requirements: -**List of required Major Instruments in Chemistry Lab:**

S. No	Equipment Name	Quantity required
1	ALYTICAL BALANCE AN Specification: Capacity: 220g Readability: 0.1 mg Repeatability: 0.1 mg or better Linearity deviation: 0.2 mg Settling time: 2 s; Calibration: Internal Quality: Metal Base, Stainless steel platform and pan, Overlord protection	2

	Connectivity: RS232 interface, Bluetooth option, Built-in PC direct function for easy data transfer	
	Display: Bright and Clear LCD display	
	Necessary attachments:	
	Necessary accessories for connection with PC and relevant software for smooth working	
	Soft brush and Hand held hot air blower for cleaning of the balance	
	Polycarbonate (or better) housing of the balance	
	Protective cover for the balance	
	Make: Mettler, Aczet, Sattorious	
2	ANALYTICAL BALANCE Specification: Capacity: 220g Readability: 1 mg Repeatability: 1 mg or better Linearity Settling time: 2 s; Calibration: Internal Quality: Metal Base, Stainless steel platform and pan, Overlord protection Connectivity: RS232 interface, Bluetooth option, Built-in PC direct function for easy data transfer Display: Bright and Clear LCD display Necessary attachments: Necessary accessories for connection with PC and relevant software for smooth working Soft brush and Hand held hot air blower for cleaning of the balance Polycarbonate (or better) housing of the balance Protective cover for the balance Make: Mettler, Aczet, Sattorious	1
3	Multi Tube Carrier Centrifuge with maximum capacity of 3000ml & with microplate reader. Make: Thermo Fisher Scientific, Vision Scientific, Eppendrof	1
	Max. RPM	6,000RPM (Swing 3,200RPM)
	Max. RCF	5,031 × g (Swing 2,232 × g)
	Max. Capacity	3,000ml, 750ml × 4 Tubes
	Main Control	Microprocessor Controller
	Display	7-Segment Numeric Display
	Operating mode	RPM / RCF
	Programmability	20 memory Option) 50 Memory
	Timer	99Hr. 59min. & Hold for long run
	Drive system	Inverter Motor drive
	Acceleration	Fast / Slow
	Deceleration	Fast / Normal / Slow

	Safety system	Over speed protector, Door detector	
		Unbalance detector	
4	Table Top Conductivity Meter. Supplied Complete with Plastic Conductivity Electrode (K=1, ATC), 1408 $\mu\text{S}/\text{cm}$ Conductivity Standard Solution (50 ml), Electrode Holder & Power Adapter. Large Blue LCD Display, 50 tests storage capacity & ATC.		4
	Make: Mettler, RIC, Hach		
		Range	
	Conductivity	0 ~ 199.9 μS ;	
		200 ~ 1999 μS ;	
		2.00 ~ 19.99 mS;	
		20.0 ~ 199.9 mS	
5	Flash and fire point apparatus		2
	Test Flame arrangement, Hand operated stirrer, Thermometer socket, Water jacket electrically heated		
	AASHTO T48; Copper Jacketed Vessel, Energy Control system, Voltage Varian Control System, Digital Control System, Reducing Socket cum Flame Regulator, Test Cup, Lid Assembly, Heater Coil, Refractory Heater Base		
	Power supply: 200-240 volts, 30-50 Hz, Single Phase, AC Supply, Display-3-4Digit, 7-Segment LED Display, Temp. Range: 0-350 degree C		
	Make: Abel, Pensky Marten, Royal scientific, Labcare		
6	Electric Melting Point apparatus		5
	Technical data		
	Display Screen	8-inch touch screen	
	Temperature Range	RT - 150°C	
	Temperature Resolution	0.1°C	
	Temperature Repeatability	0.2 ((at 0.20°C/min)	
	Temperature Accuracy	$\pm 0.3^\circ\text{C}$	
	Heating Rate	0.1°C--20°C	
	Capillary Size	ID 0.9~1.1mm; Wall thickness 0.10~0.15mm	
	Testing Capacity	3pcs/batch	

	Account Management		Yes		
	Power Supplies		100-240VAC 50Hz/60Hz		
	Size		305*220*230mm		
	Power		120W		
	Make: Mettler, RIC, Themofischer or equivalent				
7	OVEN UNIVERSAL (MEMMERT TYPE) with Digital Controller.				2
	Double walled, outer chamber made of M.S. Duly painted with stove enamel paint with glass wool insulation between two walls. Inner wall made of Stainless steel (304). Heating elements are placed in ribs of the bottom and sides for uniform heating having Temperature Range 2°C above ambient to 250°C. Air ventilator adjustable fitted on both sides. Temp. is controlled by Digital Controller with an accuracy of ± 1°C fitted with Main switch, Pilot Lamp, Temp. Controlling knob and supplied with perforated shelves and workable on 220 Volts 50 Hz AC mains.				
	Inner Chamber Size(WXHxD): 450x450x600 mm, 90ltrs				
	Make: MEMMERT, RIC, Thermo Fisher Scientific				
8	Digital Orbital Shaker				2
	Max Speed 350 rpm, Min Speed: 20rpm, Timer: 99Hrs59Hrs				
	Brushless Motor, 20mm stoke length, Flask Capacity 100mlX16				
	Make: Thermo Fisher Scientific, Vision Scientific, Cole Parmer				
9	Heating Mental 1000 mL with spare mental with Energy regulator. PLT &Co., Make: PLT &Co., RIC , Narang Scientific				3
10	Heating Mental 500ML with spare mental with Energy regulator				3
	Make: PLT &Co., RIC , Narang Scientific				
11	Hot Plate cum Magnetic Stirrer with step less control				2
	Max RPM: 1500, Max Stirring: Volume: 20 litres				
	Motor: Brushless Shade Motor				
	Make: Thermo Fisher Scientific, Vision Scientific, Cole Parmer				
12	Table Top pH/mV and Temperature meter Supplied with Combinational pH electrode, Buffer Solution & adapter.				5
	Make: Thermo Fisher Scientific, RIC, Cole Parmer				
	Specifications:				
	Measured Parameters		pH, mV and Temperature		
		pH	0.00 to 14.0 pH		
	Range	mV	± 1999.9 mV		
		Temperature	(-10 to 110) °C		
		pH	± 0.01 pH		
	Accuracy	mV	± 0.1 % FS		
		Temperature	± 1 °C		

	ATC	pH	0 to 100 °C		
	Data Storage		25 tests		
	LCD Display		blue backlight		
	Power		DC 9V/300 mA		
	Dimension & Weight		160X190X70mm/750g		
	Communication Connector		RS-232 Optional		
13	Digital Calorimeter with Eight Filters 2-1/2 digit LED display, Measuring optical density (OD) sample Size 1ml. Mains / provision of battery operation. Make: PLT &Co., RIC , Labtronics				3
14	Potentiometer Parameter mV Auto Range 0 to ±1999mV Resolution ± 0.1 mV Repeatability ± 0.1 mV Accuracy ± 1mV ±1 digit. Calibration Manual by soft touch keys Temp. Compensation 0-100°C Manual & (Automatic optional Indication: 3 ½ digit LED 4 digit LED (12.5mm high). Input Resistance 10 ¹² ohms Operating Temp. 10 °C to 45°C Power Supply 230 V ±10%, 50 Hz AC. Make: PLT &Co., RIC , Labtronics				2
15	Refrigerator-280 liter Laboratory type Laboratory refrigerator should have 330 ltr capacities, Temperature range from 2 degree C to 10 degree C, It should have galvanized sheet steel construction, white powder coated and adjustable feet, No welded joint to be exposed for rusting, Insulation of high-grade pressure – foam material. Lockable transparent glass door with plastic magnetic sealing surround, Automatic defrosting and condensed melt water evaporation. Re-circulating air-cooling system. Control panel with thermometer, main switch and temperature selection. Hermetically enclosed, low noise, vibration proof compressor. Visual and a caustic signal alarm system. Epoxy coated outside finish and S/S interior. Low noise, automatic defrosting, Freon free Should be CFC free. Temperature indicators to be provided. Power input to be 220-240VAC, 50Hz. The system should be BIS/US FDA approved product. Warranty: Minimum 3 Years Make: Samsung, LG, Whirlpool, Godrej				1
16	Redwood Viscometer (Type I & Type II) Type of Bath: Electrically Heated Immersion Heater. Max Working Temperature: - 99 Degree C Continuous Working Temperature: - 95 Degree C Capacity: 1 Sample At A Time, Heater: Ss Tubular Immersion Heater, Accuracy: +/- 3 Degree C 7) Readability: +/- 0.5 Degree C, Temperature Controller: By Energy Regulator Which Will Turn On & Off Heater As Time				2 each

	Switch. Input Power Supply: 230 V Ac, 50 Hz, 1 Phase with 6 Amp Current Rating, Heating Load: 1 Kw. Stirrer: Manual Stirrer with Stirrer Blade for Maintaining Uniformity Throughout Chamber. Top Lid Made of Stainless Steel with Provision Of Mounting Of One Thermometer. Control Panel/Display: Energy Regulator/ Heater Indicator/ Kettle Plug For Heater Connection. Construction: Double Walled Construction, Thermally Insulated With Inside Body Made Of Stainless Steel Outside Gi./ Powder Coated External Surface For Aesthetic Appearance. Make: Aditya, thermos Fischer, HAMCO, Primetek, Labman, ASI	
17	VACUUM ROTARY EVAPORATOR Features & Specifications: - It is used for vacuum distillation of solvent at high and low temp. Having non-sparking motor reduces risk of fire at Variable speed for variety of use (90 RPM to 250 RPM). It permits continuous feed of solvent into evaporating pear shape flask and also distillation under control atmosphere. All glass parts are easily replaceable. It is supplied with 1-2 Lt. evaporator and receiving flask. Steam duct a condenser, inlet feed 2 clamps, a dry unit wire cord and Plug to work on Single Phase 220 / 230 volts A.C. supply. Fitted with automatic quick action jack. Totally detachable bath vessel for easy and safe cleaning of the vessel PT-100 Sensor fitted with Electronic Digital Temperature Indicator Cum Controllers up-to 220°C for controlling of the temperature in the bath. VACUUM PUMP MONO BLOCK TYPE SINGLE STAGE Capacity: 42 Lit/min; Flow Rate: 1.5 CFM Ultimate Vacuum: 0.05 mbar; Power: ¼ H.P Inlet Port: ¼” Flare; Oil Capacity: 280 ml Make: Buchi, RIC, Genser Scientific	1
18	VACUUM PUMP MONO BLOCK TYPE SINGLE STAGE Capacity: 42 Lit/min; Flow Rate: 1.5 CFM Ultimate Vacuum: 0.05 mbar; Power: ¼ H.P Inlet Port: ¼” Flare; Oil Capacity: 280 ml Make: PLT &Co., RIC , Narang Scientific	2
19	Digital Water Bath with capacity of 21Litres Temp. Range: Ambient to 99°C Temp accuracy: 0.2°C Material: Inner SS outer SS with powder coating Make: Thermo Fisher Scientific, RIC, Cole Parmer	2
20	AUTOMATIC POLARIMETER RIC-74A RIC's Automatic Polarimeters includes automatic photoelectric inspection technology and WINDOWS HMI system, boasts accurate and reliable measurement, convenient operation and so on. By detecting the specific rotation, the density, content and purity, etc. of substances can be analysed and determined. It's widely used in medicine, petroleum, food, chemicals, flavors, spices, sugar making, other industries and universities and research institutes.	1

	Features: Large colour touch screen display and innovative WINDOWS software interface give extremely convenient device operation and data acquisition; High brightness LED lights with long service life.	
	A variety of measurement modes are optional, without using complicated manual calculation;	
	Extremely large storage capacity can store up to 1000 groups of data information automatically.	
	Specifications:	
	Working wavelength: 589.3nm (Sodium D spectrum)	
	Measuring range: ±45°(optical rotation)	
	Min. reading: 0.001° (optical rotation)	
	Accuracy: 0.01°(full scale)	
	Repeatability: (standard deviations): 0.002°(optical rotation)	
	Resolution: ±0.1°C	
	Interface: USB and RS232 ports directly connected to PC	
	Power supply: 220V, 50H	
	Make: Thermo Fisher Scientific, RIC, Cole Parmer, Anton Paar	
21	INDUSTRIAL FURNACE	1
	Heavy Duty for Industrial use maximum temperature range upto 1100°C with grooved refractory plate with thermocouple temp. Digitally Controlled, Highly Insulated Workable on 440 Volts three phase A.C. supply	
	Muffle Size: 300 X 300 X 455 mm; Power Capacity: 7.5 K.W	
	Make: Thermo Fisher, RIC, Cole Parmer	
22	DOUBLE BEAM VARIABLE BANDWIDTH UV-VIS SPECTROPHOTOMETER	1
	Unique Dual-Monochromator optical design, ≤0.0003%T ultra-low stray light. 0.1 nm optical resolution with six options for spectral bandwidth selection.	
	Linear range 3.5Abs, accurate test for high-concentrated samples without pre-dilution.	
	6 tunable bandwidths of 0.5nm, 1nm, 2nm and 4nm	
	Test with ±0.3nm wavelength accuracy ensures confidence.	
	High precision processes and high quality techniques achieve higher durability.	
	Supports storage & printing with USB devices, controllable by Ultra UV workstation for extended functions	
	Ultra-low stray light design for more precise measurement	
	Good wavelength accuracy for quantitative/qualitative measurement	
	Fully-controlled by workstation/software, more functions to realize	
	Complete connectivity: LAN, USB host & device	
	Support U disk storage and USB print Connectable to PC via LAN and USB ports	
	Light Path	Double Beam
	Screen	7” TFT Color screen

	Spectral Bandwidth nm	0.5/1/2/4	
	Stray Light	≤0.03 %T	
	Wavelength Range	190 to 1100nm	
	Wavelength Accuracy	±0.3 nm	
	Wavelength Repeatability	0.1nm	
	Transmittance Accuracy	±0.3%T	
	Transmittance Repeatability	±0.1%T	
	Base Line Flatness	±0.0008Abs	
	Base Line Drift	0.0005Abs/H	
	Noise	±0.00004Abs/H	
	Detector	Photomultiplier	
	Software/ Workstation	Available	
	Make: Perkin Elmer, RIC, Thermo Fisher		
23	Digital Bomb Calorimeter with computer and printer		1
	Material: Corrosion resistant stainless steel, SS 316 Combustion Bomb, Cotton Reel, Calorimeter with Bomb support, stand for Bomb Lid, Combined Lid for Calorimeter Vessel & Jacket, Hook for lifting Bomb, Calorimeter Jacket with insulated Material, Crucible – 2 nos., Stirrer, Gelatine Capsules – 50 nos., Connecting Leads, Gas Release Valve, Benzoic Acid – 10 Tablets Make: Hamco, Ika, Mettler, RIC	Firing Voltage for bomb: 10-15 VAC, differential temp. range- 0-10 °C, Temperature resolution: ± 0.0010 C, Memory Storage: 100 data, Display: LCD type, Keypad: Soft touch, Battery backup for stirrer and Microprocessor unit (UPS), RS 232C interface to connect with computer, Auto firing (With software only), Connecting tube for Oxygen Cylinder, O – Rings for Bomb and Stirrer, Adjustable Spanner, Ignition Wire: Nichrome (36 SWG)	

LIST OF REQUED GLASSWARES, IN CHEMISTRY LAB

S. No	Name of Items	Required Quantity	Unit	Specifications
1.	Boiling Tubes	50	Pcs	Material: Heavy Wall Borosilicate Glass, Size: dia* length 25*125 mm, Colour: Transparent, capacity: 55 ml
2.	Burette with teflon stop cork 50 ml	50	Pcs	Material: Heavy wall borosilicate glass with white backing to provide maximum accuracy in measuring colorless fluids Color: Transparent
				Capacity 50 ml Sub. maximum accuracy in measuring colorless fluids Size 32" in length
				PTFE Stopcock

3.	Burette with teflon stop cork 100 ml	30	Pcs	Material: Heavy wall borosilicate glass with white backing to provide maximum accuracy in measuring colorless fluids Color: Transparent
				Capacity 100 ml Sub. maximum accuracy in measuring colorless fluids Size 32" in length
				PTFE Stopcock
4.	Burette with pinch cork 100 ml	30	Pcs	Material: Heavy wall borosilicate glass with white backing to provide maximum accuracy in measuring colorless fluids Color: Transparent
				Capacity 100 ml Sub. maximum accuracy in measuring colorless fluids Size 32" in length with pinch cock rubber tubing
5.	Buchner Funnel (50 mm OD)	10	Pcs	Material :- Porcelain Color: White Size:50 mm OD, 35ml, for 35–40 mm diameter filter paper
6.	Buchner Funnel (65 mm OD)	5	Pcs	Material :- Porcelain Color: White Size:65 mm OD, 100 mL, for 50-55 mm diameter filter paper
7.	Buchner Funnel (97 mm OD)	5	Pcs	Material :- Porcelain Color: White Size:97 mm OD, 350 mL, for 90mm diameter filter paper
8.	Buchner Funnel (156 mm OD)	5	Pcs	Material :- Porcelain Color: White Size: 156 mm OD, 1156ml, for150 mm diameter filter paper
9.	Capillary tubes	10	Pcs	Material: Glass material, Color: Transparent Size:75mm in length and have an inside diameter of approximately 1.1mm to 1.2mm and an outside diameter of approximately 1.5mm to 1.6mm
10.	Centrifuge tube	100	Pcs	Material: Borosilicate Glass, capacity: Centrifuge Tube 15 ml Diameter: (Metric) Outside 17mm Length (Metric): 118mm contain
11.	China Dish 3"	100	Pcs	Material: Porcelain, Color: cream, Size: 3"
12.	China Dish 4"	100	Pcs	Material: Porcelain, Color: cream, Size: 3"
13.	Clear Glass Media Bottle 50 mL	5	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:50mL, high resistance to chemical attack, Colour- Transparent, Autoclavable at 121 °C for 1 hour, bottles Shall have threaded on Blue Plastic caps and pouring rings that are autoclavable
14.	Clear Glass Media Bottle 100 mL	5	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:100mL, high resistance to chemical attack, Colour- Transparent, Autoclavable at 121 °C for 1 hour, bottles Shall have threaded on Blue Plastic caps and pouring rings that are autoclavable
15.	Clear Glass Media Bottle 150 mL	5	Pcs	Material: Heavy wall borosilicate glass, Volume:150mL, high resistance to chemical attack, Colour- Transparent, Autoclavable at 121 °C for 1 hour, bottles Shall have threaded on Blue Plastic caps and pouring rings that are autoclavable

16.	Clear Glass Media Bottle 250 mL	15	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:250mL, high resistance to chemical attack, Colour- Transparent, Autoclavable at 121 °C for 1 hour, bottles Shall have threaded on Blue Plastic caps and pouring rings that are autoclavable
17.	Distillation apparatus	2	Pcs	Material: Borosilicate Glass Round Bottom Flask 500ml and 1000ml With B-24 Joints 2 numbers of Multiple adapter with thermometer lei big condenser 300mm with B-24 joints and vacuum band
18.	Filter flask 1000 mL	10	Pcs	Material: Heavy wall borosilicate glass, Color-Transparent, , high resistance to chemical attack
19.	Filter, Crucible, with sintered disc	30	Pcs	Material: Heavy wall borosilicate glass, Color-Transparent, , high resistance to chemical attack Capacity : 50 mL
20.	Conical flask-50 mL	30	Pcs	Material: Heavy wall borosilicate glass, Volume:50mL, high resistance to chemical attack, Color- Transparent, Autoclavable at 121 °C for 1 hour
21.	Conical flask-100cc	30	Pcs	Material: Heavy wall borosilicate glass, high resistance to chemical attack, Color- Transparent, Autoclavable at 121 °C for 1 hour
22.	Conical flask-250cc	20	Pcs	Material: Heavy wall borosilicate glass, high resistance to chemical attack, Color- Transparent, Autoclavable at 121 °C for 1 hour
23.	Conical flask-500cc with glass stop corks	5	Pcs	Material: Heavy wall borosilicate glass, high resistance to chemical attack, Color- Transparent, Autoclavable at 121 °C for 1 hour
24.	Conical flask-1000cc with glass stop corks	5	Pcs	Material: Heavy wall (thickness 5-10 mm) borosilicate glass, high resistance to chemical attack, Color-Transparent, Autoclavable at 121 °C for 1 hour
25.	Dropper	50	Pcs	Material borosilicate Colour WHITE25 cm long for laboratory use large with powerful rubber sucker, size 8 inches long tube
26.	Filtration Flask 500 ml	10	Pcs	Material: Heavy wall borosilicate glass, Height: 18.4 cm, high resistance to chemical attack, filtering bolt Neck with tabulation Capacity: 500 ml
27.	Glass Funnels 50 mm	5	Pcs	Material: Heavy wall borosilicate glass, Length: 50mm, high resistance to chemical attack
28.	Glass Funnels 75 mm	5	Pcs	Material: Heavy wall borosilicate glass, Length: 75mm, high resistance to chemical attack
29.	Glass Funnels 100 mm	5	Pcs	Material: Heavy wall borosilicate glass, Length: 100mm, high resistance to chemical attack

30.	Glass Rod	1	kg	Size: 8 inch, diameter: 0.5 mm, Material: Glass
31.	Graduated cylinder 10cc	10	Pcs	Material: Heavy wall borosilicate glass, high resistance to chemical attack, Color- Transparent,
32.	Graduated cylinder 25cc	10	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:100 mL, high resistance to chemical attack, Colour- Transparent, Autoclavable, Model: Measuring Graduated Cylinder 100 ml,
33.	Graduated cylinder 100cc	10	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:100 mL, high resistance to chemical attack, Colour- Transparent, Autoclavable, Model: Measuring Graduated Cylinder 100 ml,
34.	Graduated cylinder 250cc	30	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:250 mL, high resistance to chemical attack, Colour- Transparent, Autoclavable, Model: Measuring Graduated Cylinder 250 ml,
35.	Graduated cylinder 1000cc	20	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:1000 mL, high resistance to chemical attack, Colour- Transparent, Autoclale, Model: Measuring Graduated Cylinder 1000 ml,
36.	Ignition Tubes	100	Pcs (1 pack)	Heavy-walled test tube of hard glass for examining the behaviour of heated substances. Colour: transparent, Capacity: 1 ml
37.	Ostwald Viscometer	40	Pcs	Material: Heavy wall borosilicate glass U- tube with bulbs, connected by a capillary tube. Colour-Transparent, Autoclavable,
38.	Pestle & Mortar 4"	5	Pcs	Shape: Round
				Material: porcelain
				Color: White
39.	Pestle Mortar 5"	5	Pcs	Shape: Round
				Material: porcelain
				Color: White
40.	Petridishes -4inch	40	Pcs	Material: Glass material, Color: Transparent, Size- 4 Inch, Round
41.	Pipettes 10 mL bulb	30	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:10 mL, high resistance to chemical attack, Color- Transparent, Autoclavable, Model: Measuring Graduated
42.	Pipettes 20 mL bulb	30	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:20 mL, high resistance to chemical attack, Color- Transparent, Autoclavable, Model: Measuring Graduated
43.	Pipettes graduated 25 mL	30	Pcs	Material: Heavy wall borosilicate glass, Size & Volume:25 mL, high resistance to chemical attack, Color- Transparent, Autoclavable, Model: Measuring Graduated
44.	Pocket Thermometer	30	Pcs	Material: Heavy wall borosilicate glass, Size: joint 24/29, high resistance to chemical attack, Color-Transparent, Autoclavable, Model: Measuring Graduated
45.	Pyknometers	20	Pcs	Pyknometer made of borosilicate glass 3.3,
				With ground-in stopper
				Good chemical resistance
				Good temperature resistance
46.		15	Pcs	Graham, Coiled Distillate Type With Drip Tip

	Reflux water condenser (30 cm)			Inter Changeable Joint :24/29 (Inner) & 24/29 (Outer)Overall Height (mm) :450 Length (mm) : 300
47.	Reflux Water Condenser (50 cm)	10	Pcs	Graham, Coiled Distillate Type with Drip Tip Inter Changeable Joint :24/29 (Inner) & 24/29 (Outer)Overall Height (mm) :450 Length (mm) : 500, Glass thickness 4-5 mm, color: Transparent
48.	Still Head Plain	10	Pcs	With Drip Tip With Thermometer Socket Used in distillation assembly for connecting flask to condenser, with 14/23 socket, 24/29 cone to fit flask, 19/26 cone to fit condenser
49.	Round bottomed flask (with single neck)100 mL with glass stop corks	20	Pcs	Material: Heavy wall borosilicate glass, Borosilicate glass round bottom boiling flask with Joint 24/29 Size 100 ml. Good chemical resistance. Good temperature resistance
50.	Round bottomed flask (with single neck) 250 mL with glass stop corks	20	Pcs	Material: Heavy wall borosilicate glass, round bottom boiling flask with Joint 24/29 Size 250 ml. Good chemical resistance. Good temperature resistance
51.	Round bottomed flask (with single neck) 500 mL with glass stop corks	20	Pcs	Material: Heavy wall borosilicate glass, round bottom boiling flask with Joint 24/29 Size 500 ml. Good chemical resistance. Good temperature resistance
52.	Round bottomed flask (with two neck)100 mL with glass stop corks	10	Pcs	Material: Heavy wall borosilicate glass, round bottom boiling flask with both Joints 24/29 Size 100 ml. Good chemical resistance. Good temperature resistance
53.	Round bottomed flask (with three neck)100 mL with glass stop corks	10	Pcs	Material: Heavy wall borosilicate glass, round bottom boiling flask with capacity ml: 100; Interchangeable Joint Size: Centre Neck - 24/29, Side Neck – 24/429, Side third Neck -24/29.Good chemical resistance. Good temperature resistance. Color- Transparent, Autoclavable
54.	Separating Funnel (250 ml)	40	Pcs	Material: Heavy wall (thickness: 1.2-2.0 mm) borosilicate glass, 250 ml capacity, length of the stem 70 mm, with diameter of 09 mm, shape: peer with glass stop cork
55.	Stalagmometer	40	Pcs	Material: Heavy wall borosilicate glass, Size 5 ml. high resistance to chemical attack, Color- Transparent, Autoclavable, Model: Measuring Graduated
56.	Suction Pump glass	10	Pcs	Material: Glass material, Color: Transparent
57.	Test tubes 25 ml	10	Box (50 pcs)	Material: Heavy wall borosilicate glass, Measuring Capacity: 25 ml test tubes, round bottom, Color: Transparent sage: Laboratory Size 152 mm type 3.
58.	Thermometer 110°C	20	Pcs	Glass thermometer Red -10 to 110 degrees Celsius 300 mm long for laboratory Color: yellow with plastic handle , facility to hang
59.	Thermometer 360°C	20	Pcs	Glass thermometer Red -10 to 360 degrees Celsius 300 mm long for laboratory Color: yellow with plastic handle , facility to hang

60.	TLC Chamber	10	Pcs	Material: Heavy wall CHEMKOVIL borosilicate glass, Size & Volume:20 mL, high resistance to chemical attack, Color- Transparent,
61.	Volumetric Flask 100 cc with glass stop corks	30	Pcs	High quality borosilicate glass 3.3. Lab grade With Inter Changeable Joint Socket Size-14/23 Capacity: 100 ml Color- Transparent
62.	Volumetric Flask 250cc with glass stop corks	10	Pcs	High quality borosilicate glass 3.3. Lab grade With Inter Changeable Joint Socket Size-14/23 Capacity: 100 ml Color- Transparent

LIST OF REQUIRED PLASTIC-WARE, IN CHEMISTRY LAB

S. No	Name of Items	Required Quantity	Unit	Specifications
1.	Beakers -100 mL Plastic	10	Pcs	Capacity: 100 mL, Material: High quality Polypropylene plastic material, Colour: Transparent
2.	Beakers -250 mL Plastic	10	Pcs	Capacity: 250 mL, Material: High quality Polypropylene plastic material, Colour: Transparent
3.	Beakers - 500 mL Plastic	10	Pcs	Capacity: 500 mL, Material: High quality Polypropylene plastic material, Color: Transparent
4.	Beakers-1 liter Plastic	10	Pcs	Capacity: 1000 mL, Material: High quality Polypropylene plastic material, Color: Transparent
5.	Burette Stand	30	Pcs	Material: High quality Polypropylene plastic material, Color: white
6.	Crucible tongs 6"	10	Pcs	Made of stainless Steel Crucible Tong With Bow 8 Inches
7.	Test tube stand 1.5 ml	15	Pcs	Material: Plastic, Size & capacity: 48 x 1.5ml tubes Recyclable polypropylene / autoclavable. These racks are designed for 1.5 ml tubes. They hold 48 tubes in 4 rows of 12. Holes are alpha-numerically indexed and on an incline for visibility of all four rows.
8.	Desiccator 10"/250 mm die	2	Pcs	Vacuum Desiccator with Polycarbonate Cover and Base, 10" die
9.	Dustbin	6	Pcs	Bottom Dimension 455 × 455 mm Height of bin 910 mm Height of bin with lid 1125 mm Weight of bin with lid 7 kg
10.	Flask Stand	30	Pcs	Plastic ware Molded in Polypropylene, the Flask Stand gives a stair-like top view.
11.	Magnetic Stirrer Bar Beads 5mm/15mm to 8mm/35mm	4	set/each	Material: High quality PTFE plastic material 9 x 25 mm
12.	Test tube stand plastic-25 ml	15	Pcs	Colour: White Material: Polypropylene Size: 16 MM Capacity: 31 Holes
13.	3 ml plastic leak proof tube with cap	100	Pcs	Product: 3 mL plastic tube with airtight cap, Material: propylene & Plastic, Size:12 mm

14.	Capillary tubes - Heparinised	3	Box	As a thin homogeneous coating
15.	Parafilm M Roll, 250' Length x 2" Width	1	Roll	Item Weight 100 grams 2" Width
16.	Wash Bottle	20	Pcs	Material Low Density Polyethylene Capacity 250.0 milliliters Colour White

LIST OF REQUIRED CHEMICALS, IN CHEMISTRY LAB

S. No	Name of Items	Required Quantity	Unit
1.	Acetone (Qualigens)	10	Liter
2.	Acetic acid (Qualigens)	2.5	Liter
3.	Ammonia solution	1	Liter
4.	Benzene (CDH)	2.5	Liter
5.	Benzaldehyde (Qualigens)	1.0	Liter
6.	Benedict reagent Qualigens)	500	mL
7.	Buffer(PH=4, PH=7, PH=14)	3.0	box
8.	Charcoal (Qualigens)	500	Gram
9.	Carbon tetrachloride (CDH)	1.0	Liter
10.	Chloroform (Qualigens)	500	ML
11.	Denatured Ethyl Alcohol/Iso Propyl Alcohol (Spirit for spirit lamp)	1.0	Liter
12.	Dimethyl Sulphoxide (Qualigens)	1000	Gram
13.	Dimethyl Formamide (Qualigens)	2.0	Liter
14.	Diethyl ether (Qualigens)	2.0	Liter
15.	EDTA disodium salt (Qualigens)	300	Gram
16.	Ethyl Alcohol (Ethanol)	1.0	Liter
17.	Glucose (Qualigens)	1.0	kg
18.	Glycerine (Qualigens)	500	mL
19.	Hydrochloric acid (Qualigens)	5	Liter
20.	Iodine Crystal (Qualigens)	100	Gram
21.	Nitric acid (Qualigens)	1.0	Liter
22.	Petroleum ether (Qualigens)	1.0	Liter
23.	Paraffin liquid (Qualigens)	1.0	Liter
24.	Potassium dichromate (Qualigens)	1.0	kg
25.	Potassium chloride (Qualigens)	500	Gram
26.	Potassium Permanganate (Qualigens)	1.0	kg
27.	Silica Gel 60-120 mesh (for thin layer chromatography)	1.0	kg
28.	Silica Gel 60-120 mesh (for column chromatography)	1.0	kg
29.	Sucrose (Qualigens)	1.0	kg
30.	Sodium Hydride (CDH)	1.0	kg
31.	Sodium chloride (Qualigens)	1.0	kg
32.	Sodium metal (CDH)	250	Gram
33.	Sodium nitroprusside (Qualigens)	250	Gram
34.	Sodium nitrate (Qualigens)	500	Gram
35.	Sodium carbonate (Qualigens)	500	Gram
36.	Sulfuric Acid (Qualigens)	2.5	Liter
37.	Silver Nitrate (Qualigens)	25	Gram

38.	S-benzylisothiuronium chloride (Thermo Scientific)	100	Gram
39.	Schiff reagent (CDH)	100	mL
40.	Toluene (Qualigens)	2.5	Liter
41.	Urea (Qualigens)	1.0	kg
42.	Vanillin (CDH)	650	Gram
43.	Ethyl Acetate (Qualigens)	2.5	Liter
44.	Methyl Acetate (CDH)	2.5	Liter
45.	EBT (Eriochrome Black T)	5x100=500	Gram
46.	Phenolphthalein	5x100=500	ML
47.	Phenol (liquid form)	1	Litre
48.	Formaldehyde	2x500=1	Litre
49.	Bleaching Powder	2x500=1	Gram
50.	Chlorine Tablets	8x25=200	Milligram

LIST OF REQUIRED MISCELLANEOUS ITEMS IN CHEMISTRY LAB

S. No	Name of Items	Required Quantity	Unit	Specifications
1.	Aluminium Foil	50	Meter	Aluminium foil in gauges from 0.012mm
2.	Autoclave tape	2	Pcs	sizes: 18mm x 54M (0.7 x 180'), Features: Withstands sterilization by steam autoclaves
3.	Adjustable Swivel Clamp rubber coated clamp with Boss Head	20	Pcs	Material: Cast Iron, Height of the rod: 600-700 mm, Diameter of Rod: 8-10 mm, weight of the stand; 200-250gm base size; 200x125 mm, Number of Clamps provided with stand: 3-4
4.	Adjustable Boss Head clamp Holder Aluminum	20	Pcs	Material: Heavy duty Aluminum Alloy body with plastic knobs, hold rods up to 20-25 mm diameter, weight 120 gram
5.	Brush (For 25ml glass tube cleaning)	10	Pcs	Size: 12 Inch (Length)
6.	Brush (For Cleaning Glasswares)	10	Pcs	Size: 12 Inch (Length)
7.	Charts: Models showing Chemicals/Reactions	4	Pcs	Different Glasswares (with names), Chemicals
8.	Cotton Roll	1	Kg	Sterile
9.	Clamps 10"	40	Pcs	Made of Aluminium Casted Retort 3 Finger Burette Condenser Clamp with Boss Head. Rod size 9" and total length 12"
10.	Face mask	3	Box	Triple layer
11.	Fire Extinguisher	6	Pcs	Product description: Works on all the types of fire: Fights Class A, B, C and Electrically started fires. Weight: 6 kg
12.	First Aid Box	1	Box	Made with good quality and Durable Plastic
13.	Forceps Tweezernontooth	4	Pcs	Material: Stainless steel, Size:6 inch,
14.	Ordinary Filter paper	10	Sheets	Superior Quality
15.	Funnel Stand wooden	20	Pcs	Material: wooden rod, Size (L x W x H): Approx. 25 x 9 x 40cm/9.84 x 3.54 x 15.75inch
16.	Permanent marker	10	Pcs	leak-proof
17.	pH Paper	3	Packs	Impregnating special quality filter paper with indicator
18.	Rectangular TLC Plate (MERK)	2	Box	plate Silica gel 60 F ₂₅₄ 20 x 20 cm, pack of 25

19.	Retort ring sets with Boss Head, 50mm, 75mm, 100 mm	30	Pcs	Material: Stainless Steel - Diameter: 50mm - 4" with boss Head Clamp for holding the separating funnel of capacity 250 ml and funnel having diameter 4-5"
20.	Rubber/ Tapered corks	30	Pcs	Tapered Cork Stopper for Bottles in different sizes
21.	Rubber gloves-medium size	1	Box	121 degree C Temperature resistant with special quality rubber
22.	Rubber pipe for distillation	20	meter	Red flexible Rubber tubing 8mm (5/16" x 10' long)for connecting glassware like condensers and filtering flasks.
23.	Rubber Adapter for filtering Flask	30	Pcs	Made of natural rubber Conical, to fit filter funnels or crucibles into suction flasks
24.	Rubber cone for mounting 50ml crucible into adapter	30	Pcs	Made of natural rubber Conical, to fit filter funnels or crucibles into suction flasks Thickness 2.5 mm
25.	Rumen Puncture Needles	10	Pcs	Made up from Stainless Steel, Sharp tip
26.	Surgical gloves-	10	Box	Medium size
27.	Safety spectacles	30	Pcs	Frame Material: Soft Polyvinyl Chloride (Soft PVC), Lens material: Polycarbonate
28.	Spatula	30	Pcs	Material: Stainless steel Size: 8 Inches
29.	Spatula (Micro Wire)	30	Pcs	Material: Stainless steel Size: 8 Inches
30.	Spirit lamp	5	Pcs	Stainless steel spirit lamp with cap and made out of S.S 304, Size in mm:63.00 X 63.00, Weight:60 gram, capacity-125 mL
31.	Test tube holder	30	Pcs	Test Tube Holder Wooden Handle with high quality Chrome Plated material Length: 180mm Accept the Test Tubes ranging from 22mm to 32mm diameter Used to hold hot test tubes in laboratories. Item weight:25 gram
32.	Test Tube stand wooden	20	Pcs	Material: Wood, Holes : 6-12, Hole Size: 20-30mm for standing test tubes and boiling tubes
33.	Tripod iron stand	30	Pcs	Laboratory stand is a three leg platform used to support beakers made up of cast iron size 6x4 inches
34.	Tissue paper	50	Pcs	Good quality paper with minimum thickness
35.	UV Chamber	2	Pcs	UV Lamp power Ultraviolet light UV-A: 315-400nm OR UV-B: 280-315nm
36.	Whatman No. 42 filter	10	Packs	Accurate ash free dry mass measurements. Fine nominal particle retention rating of 3 µm. Filtration speed (Typical thickness of 180 µm
37.	Wire gauge	50	Pcs	Laboratory Wire Gauze (120 mm x 120 mm)
38.	Diamond Marker	10	Pcs	Glass material with unbreakable

University reserved the right to enhance or mitigate the quantity without any notice.

Note: All the accessories (in all respect) which shall be required to run the machine has to be supplied along with the machine.

OTHER REQUIREMENTS: The bidders will have to fulfil the following general requirements:

- 1. Bidder shall ensure that the routine work should not hamper during installation and commissioning.
- 2. Monitoring and inspection: Monitoring and inspection shall be done by Representative of SVSU at site.
- 3. Supplier should ensure that all the safety measures has to be installed as per the existing statutory compliances while designing the lab.

The bidder will have to sign with seal of firm on each & every page of this tender as a token of acceptance to our terms & conditions & submit along with technical bid.

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
BID SUBMISSION

Online Bid Submission:

Online system shall be followed, i.e.

- (i) Please note that in any case if price-bid/Financial Offer submitted manually then bid shall not be accepted.
- (ii) Only those proposals will be considered for opening, who have submitted their BID online by due date/time (as specified in Bid Data Sheet).

The Online bid complete in all respect. The following checklist is for the convenience of the bidders. Kindly check the following points before submitting the bids.

Sr. No.	Content	Document Submitted (Yes/No)	Page Number as per numbering given to the technical bid documents uploaded on the portal (If Applicable)
1.	Whether the all pages of the proposal has been signed with seal of firm by bidder/authorized signatory?		
2.	Have submitted the Scanned copy (PDF format) of the technical proposals on e-Procurement Portal?		
3.	Have submitted the Company Registration & associated Documents on e-Procurement Portal?		
4.	Have submitted copy of PAN, GST, TAN Registration etc. on e-Procurement Portal?		
5.	Have submitted EMD and TENDER+ E-Service charges on e-Procurement Portal?		
6.	Have all the pages of proposal (Technical Proposal) been properly numbered and signed by authority/ authorized person only?		
7.	Have you checked the eligibility Criteria and Submitted the relevant documents as proof on e-Procurement Portal?		
8.	Have submitted the authority letter for signing the proposal on behalf bidder on e-Procurement Portal?		
9.	Have submitted the authority letter for use of digital signature on e-Procurement Portal?		
10.	Have submitted the Notice Inviting Quotation with schedule and disclaimer		
11.	Have submitted the Instructions to Bidders		
12.	Have submitted the Terms and Condition as per Annexure – I		

Sr. No.	Content	Document Submitted (Yes/No)	Page Number as per numbering given to the technical bid documents uploaded on the portal (If Applicable)
13.	Have submitted the Technical Specification and Compliance Sheet as per Annexure – II		
14.	Have submitted the Details of Bid Submission as per Annexure – III		
15.	Have submitted the Organization Declaration Sheet as per Annexure – IV		
16.	Have submitted the List of Government organizations/ Department/PSU and Private Organizations where the same products have been supplied (in last three years) along with their contact number(s) as per Annexure-V Note: The bidder(s) are required to submit proper proof (like Purchase Order/Work Order and Performance Report) duly attested by Gazetted Officer or Notary and client to support/ proving the claim.		
17.	Have submitted the offered Model of OEM must be working in Indian Conditions, without any Problems. Minimum 2 performance reports with Purchase Order/Work Order duly attested by Gazetted Officer or Notary to be submitted as per Annexure-V		
18.	Have submitted the List of application specialist / Supporting / Service Engineer and Nearest Address of service branch who have the technical competency to handle and support the quoted product during the warranty period as per Annexure - VI.		
19.	Have submitted the Details of Electronic Fund Transfer/RTGS Transfer (Annexure VIII)		
20.	Have submitted the Manufacturer's Authorization Form (Annexure-IX)		
21.	Have submitted the Training Requirement (Annexure -X)		
22.	Financial Proposal Document (Annexure-XI)		
23.	Have submitted the Affidavit regarding Authenticity and correctness of information/documents as per Annexure - XII		
24.	Have submitted the Affidavit regarding delisting/blacklisting, demobilization etc. as per Annexure – XIII		

Sr. No.	Content	Document Submitted (Yes/No)	Page Number as per numbering given to the technical bid documents uploaded on the portal (If Applicable)
25.	Have submitted the Affidavit regarding completion of supply and installation & commissioning of Machine/Lab Equipments etc. in running condition within stipulated time frame as per Annexure – XIV		
26.	Have submitted the Technical supporting documents in support of all claims made at Annexure-II		
27.	Whether the TENDER document has been signed by bidder/authorized signatory and submitted on e-Procurement Portal?		
28.	Whether the TENDER corrigendum (if any) has been signed by bidder/authorized signatory and submitted on e-Procurement Portal?		
29.	Have submitted the audited statement and Financial Assessment Copy/Income Tax Return Copy showing their net balance / Profit for last three financial years for financial eligibility.		
30.	All documents to be submitted by the firms should be duly attested by gazetted officer/ notary public in case these are copies of the original documents. No unattested documents will be entertained.		
31.	Have submitted the financial bid as per BOQ.		-----

(Signature with Seal of the Bidder)

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
DECLARATION SHEET

We, _____ hereby declare that all the information and statements made in this Proposal are true and accept that any misleading information contained in it may lead to our disqualification. I have gone through the specifications, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certify that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.

Name & Address of the Bidder/ Manufacturer /authorized dealer/ distributors/agent	
Phone	
Fax	
E-mail	
Contact Person Name	
Mobile Number	
GST Number	
TIN Number	
PAN Number	
(On-line payment of Tender Fees)	
UTR No. (For Tender Fee)	
(On-line payment of EMD)	
UTR No. (For EMD)	

Attachments:

1. Power of Attorney in the name of authorized representative to be enclosed.
2. Affidavit(s).

(Signature with Seal of the Bidder)

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
LIST OF GOVERNMENT ORGANIZATION/DEPARTMENT/PSU

List of Government Organizations/Department/PSU for whom the Bidder has undertaken such work during last three years (must be supported with work orders)
Note: The bidder(s) are required to submit proper proof (like Purchase Order/Work Order) duly attested by Gazetted Officer or Notary and client to support/ proving the claim.

Sr. No.	Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
LIST OF PRIVATE ORGANIZATION

List of Private Organizations for whom the Bidder has under-taken such work during last three years (must be supported with work orders)

Note: The bidder(s) are required to submit proper proof (like Purchase Order/Work Order) duly attested by Gazetted Officer or Notary and client to support/ proving the claim.

Sr. No.	Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
LIST OF PERFORMANCE REPORT

List of Performance Report for whom the Bidder has under-taken such work in Indian Conditions, without any Problems during last three years (must be supported with work orders)

Note: The bidder(s) are required to submit proper proof (like Purchase Order/Work Order) duly attested by Gazetted Officer or Notary and client to support/ proving the claim.

Sr. No.	Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
LIST of application specialist / supporting / Service Engineer

Name of application specialist / Service Engineer who have the technical competency to handle and support the quoted product during the warranty period.		
Name and Address of the organization	Name of Contact Person	Contact No.

S. No.	Nearest Address of service branch	Nearest Address of spares branch

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

FORMAT FOR PERFORMANCE BANK GUARANTEE

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of One Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT GURUGRAM OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT GURUGRAM OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT GURUGRAM. BONDS ISSUED BY CO-OPERATIVE BANKS ARE NOT ACCEPTED.)

To,
The Registrar
Shri Vishwakarma Skill University,
Palwal, Haryana
India

LETTER OF GUARANTEE

WHEREAS Shri Vishwakarma Skill University, Palwal (Buyer) have invited Tenders vide

Tender No.: dated:

For purchase of

and whereas the said tender document requires that any eligible successful Bidder (seller) wishing to supply the equipment /machinery etc. in response thereto shall establish an irrevocable Performance Guarantee Bond in favour of “**Shri Vishwakarma Skill University**” in the form of Bank Guarantee for Rupees and this Guarantee shall expire no later than 60days beyond the date of completion of contract period.

NOW THIS BANK HEREBY GUARANTEES that in the event of the said Bidder (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this bank shall pay to Shri Vishwakarma Skill University, Palwal on demand and without protest or demur Rupees

This bank further agrees that the decision of SVSU, Palwal (Buyer) as to whether the said Bidder (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding.

We, (name of the bank & branch) hereby further agree that the guarantee herein contained shall not be affected by any change in the constitution of the Bidder (Seller) and/ or Shri Vishwakarma Skill University, Palwal (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rupees.
(Indian Rupees only).
2. This Bank Guarantee shall be valid up to (date).
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if Institute serve upon us a written claim or demand on or before(date).

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at (Address of local branch).

Yours truly,

Signature and seal of the guarantor:

Name of Bank:

Address:

Date:

Instruction to Bank: Bank should note that on expiry of Guarantee Period, the Original Guarantee will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.

<< Organization Letter Head >>
MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER

Date: / /

The Registrar
 Shri Vishwakarma Skill University,
 Palwal.

Sub: Authorization for release of payment / dues from Shri Vishwakarma Skill University, through Electronic Fund Transfer/RTGS Transfer.

1. Name of the Party/Firm/Company/Institute:

2. Address of the Party:

Line 1:

Line 2:

City:

Pin Code:

E-Mail ID:

Mob No:

Permanent Account Number (PAN NO.):

3. Particulars of Bank

Bank Name		Branch Name	
Branch Place		Branch City	
Pin Code		Branch Code	
MICR No.			
(9 Digit number appearing on the MICR Bank of the Cheque supplied by the Bank, please attach a Xerox copy of a cheque of your bank for ensuring accuracy of the bank name, branch name and code number)			
IFS Code:(11-digit alphanumeric code)			
Account Type	Saving ☐	Current ☐	Cash Credit ☐
Account Number			

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Registrar, Shri Vishwakarma Skill University, responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

Place:

Date:

Signature & Seal of the Authorized Signatory of the Party

Certified that particulars furnished above are correct as per our records

Bankers Stamp:
.....

Date:

Signature of the Authorized Official from the Bank

N.B: Please fill in the information in CAPITAL LETTERS, computer typed; please TICK wherever it is applicable.

<< Manufacturer Letter Head >>
MANUFACTURERS' 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 are 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 complete 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, 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]

<< Organization Letter Head >>
Training Requirement

1.	Product Description	(Tender Name)
2.	No. of Attendees	University staff and students
3.	No. of Days	1 Week or as per the requirement
4.	Type of Training	Operational Training and Maintenance Training (Mechanical, Electrical and Electronics)

Proper Training of 1 weeks (full day) or as per the requirement has to be given by the qualified engineer of the firm to the university staff and students without any additional cost.

Signature of Bidder

Name:

Designation:

Organization Name:

Contact No.:

<< Organization Letter Head >>
Financial Proposal (to be submitted online only)

Financial Proposal

To
 The Registrar,
 Shri Vishwakarma Skill University, Haryana,
 Palwal (Haryana).

Sub: Financial Bid /proposal for “_____”

Dear Sir,

We are pleased to quote/submit our financial proposal for the
 “_____”.

I/We _____ organization here with enclose the Financial Proposal for selection of my/our firm for that tender. For TENDER, **our Financial Proposal submitted in BOQ on online procurement portal.**

Our financial proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Proposal, i.e. 180 days from the last date notified for submission of the proposal.

1. Delivery Mode: - Delivery at University, at site or at that place to be informed by the SVSU.
2. Delivery Period: Within maximum of 06 weeks from the date of placement of purchase order.
3. Terms of payment: For Indigenous supplies, 100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at SVSU, Palwal Campus in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in tender terms and conditions.

NOTE: Financial Proposal must be submitted online in BOQ format only. If financial bid submitted manually than bid shall not be accepted in any circumstances.

Signature:

Name:

Business Address:

.....

Affix Rubber Stamp:

Place:

Date:

Affidavit regarding Authenticity and correctness of information/documents**||SPECIMEN AFFIDAVIT||**

(On Non Judicial Stamp of Rs. 100/-)

To
 The Registrar,
 Shri Vishwakarma Skill University, Haryana,
 Transit office: Plot No. 147, Sector 44,
 Palwal (Haryana).

In response to the Tender No. for
 (Name of the Tender) dated for quoting against the Tender as an
 owner/Director/Proprietor of M/s

I/we who is/are (status in the
 firm/company) and competent for submissions of the affidavit on behalf of M/S
 (Organization/Manufacturer/authorized dealer/
 distributors/agent) do hereby solemnly affirm an oath and state that:

I/we am/are fully satisfied for the correctness of the certificates/records submitted in
 support of the following information in bid documents which are being submitted in
 response to notice inviting e-tender No.

We also agreed to buyer for Integrity Pact terms and conditions as applicable from
 time to time as per government rules.

I/we am/are fully responsible for the correctness of following self-certified
 Information/ documents and certificates:

1. That the self-certified information given in the bid document is fully true and authentic.
2. That:
 1. The proof of online deposit of EMD and cost of TENDER/bid document + E-service charges and other relevant documents provided are authentic.
 2. Information regarding financial qualification and annual turnover is correct.
 3. Information regarding various technical qualifications is correct.

Signature with Seal of the Deponent (Bidder)

I/we, _____ above deponent do hereby certify that the facts
 mentioned in above are correct to the best of my knowledge and belief. Verified
 today _____ (dated) at _____ (place).

Signature with Seal of the Deponent (Bidder)

Note: Affidavit duly notarized in original shall submit in the Office of Shri Vishwakarma Skill University, Haryana, Palwal (Haryana) on Technical Presentation day/date.

Affidavit regarding delisting/blacklisting, demobilization etc.

||SPECIMEN AFFIDAVIT||

(On Non Judicial Stamp of Rs. 100/-)

To
The Registrar,
Shri Vishwakarma Skill University, Haryana,
Palwal (Haryana).

In response to the Tender No. for
(Name of the Tender) dated for quoting against the Tender as an
owner/Director/Proprietor of M/s

I/we _____ who is/are _____ (status in the
firm/company) and competent for submissions of the affidavit on behalf of
M/S _____ (Organization/Manufacturer/authorized dealer/
distributors/agent) do hereby solemnly affirm an oath and state that:

The firm/agency should not be black-listed/de-listed/debarred/ demobilized for
poor or unsatisfactory performance from any project by Govt. of India/Any other State
Govt./Haryana Govt. or its Departments/agencies etc.

Signature with Seal of the Deponent (Bidder)

I/we, _____ above deponent do hereby certify that the facts
mentioned in above are correct to the best of my knowledge and belief. Verified
today _____ (dated) at _____ (place).

Signature with Seal of the Deponent (Bidder)

Note: Affidavit duly notarized in original shall submit in the Office of Shri Vishwakarma Skill University, Haryana, Palwal (Haryana) on Technical Presentation day/date.

Affidavit regarding completion of supply and installation & commissioning of Machine/Lab Equipments etc. in running condition within stipulated time frame

||SPECIMEN AFFIDAVIT||

(On Non Judicial Stamp of Rs. 100/-)

To
The Registrar,
Shri Vishwakarma Skill University, Haryana,
Palwal (Haryana).

In response to the Tender No. for
(Name of the Tender) dated for quoting against the Tender as an
owner/Director/Proprietor of M/s

I/we who is/are (status in the
firm/company) and competent for submissions of the affidavit on behalf of
M/S (Organization/Manufacturer/authorized dealer/
distributors/agent) do hereby solemnly affirm an oath and state that:

We further certify that our organization meets all the conditions of eligibility criteria
laid down in this tender document. Moreover, OEM has agreed to support on regular
basis with technology / product updates and extend support for the warranty.

We hereby declare that our firm will supply the Machine/Lab Equipments etc. as per
Technical Specification and installation & commissioning of the Machine/Lab
Equipments in respective lab(s) in working condition within the time frame as
enumerated in the tender document.

we/I further declare that if any delay is found in delivery/installation and the offer is
not accepted partially or fully by our firm(s) the performance security or EMD
furnished as per the tender document is liable to be forfeited and no objection of being
blacklisted in these circumstances.

Signature with Seal of the Deponent (Bidder)

I/we, above deponent do hereby certify that the facts
mentioned in above are correct to the best of my knowledge and belief. Verified
today (dated) at (place).

Signature with Seal of the Deponent (Bidder)

Note: Affidavit duly notarized in original shall submit in the Office of Shri Vishwakarma Skill University, Haryana, Palwal (Haryana) on Technical Presentation day/date.

ANNEXURE - XV

**(AN AGREEMENT BETWEEN SHRI VISHWAKARMA SKILL UNIVERSITY
AND THE SUPPLIER) ***

Shri Vishwakarma Skill University (SVSU), Enacted under Government of Haryana Act No.25 of 2016 having its Palwal, Haryana represented through its authorized signatory **(Name of Registrar)**, Registrar (which expression shall unless repugnant to the context or meaning there off includes its successors and assigns) here in after referred to as **SVSU** or Owner or the **First Party**.

And

Firm Name..... having its office at, through its authorized signatory **(Name & Post)**, (which expression shall unless repugnant to the context or meaning there off includes its successors and assigns) here in after referred to as execution Manufacturers/Authorized Dealers/Distributors/Agent or the **Second Party**.

Whereas SVSU has invited Tender No. for (Name of the Tender) dated and M/s (Firm Name) submitted its proposal in this regard. SVSU after considering its negotiation offer has decided to engage (Firm Name) as executing agency for Tender No. for (Name of the Tender) dated

Firm Name..... (execution **Agency**) is hereby agreed to take the Tender No. for (Name of the Tender) at the quoted negotiation rates, terms and conditions contained the TENDER, Work Order/Purchase Order and duly communications of the above said work.

Now, therefore, in consideration of the mutual covenants herein contained, it is hereby agreed between the parties as follows: -

The agreement shall come into force immediately and shall remain valid until the final completion of the job or cancelled by the Bidder (The Registrar, Shri Vishwakarma Skill University, Haryana) as per the time schedule described in the tender document.

All the terms and conditions and Technical specifications contained in the Tender No. for (Name of the Tender) dated shall be the part of this agreement.

Firm Name..... (execution **Agency**) hereby declare that I shall remain bound and abide by the rates, terms and conditions and technical

specifications of the aforesaid as well as TENDER, Work Order/Purchase Order and due communications of the above said work.

In Witness Whereof, the parties here to have caused this agreement to be signed in their respective names as of this day and year first above written.

Signed by

Buyer: SVSU, Palwal
Signature with seal
Date & Place

Bidder:
Signature with seal
Date & Place

In presence of (Witnesses)

1.

1.

2.

2.

***Note-This Contract is to be Signed on Rs. 100/- Non Judicial Stamp paper within 15 days after receiving purchase Order/Work Order from buyer.**

(Please put the initials at each page)