

CENTRAL UNIVERSITY OF PUNJAB

Established vide Act No. 25 (2009) of Parliament

Tender No.: ATE-05 (2025-26)



e-Tender Notice for Procurement of Services for Whole Genome Sequencing, miRNA Sequencing and NGS Transcriptome Sequencing

(Two Bid System)

Release Date : 02.12.2025

Last Date : 23.12.2025; 12:00PM

V.P.O. Ghudda, District-Bathinda- 151401
E-mail: procurement@cup.edu.in

Central University of Punjab, Bathinda

Central University of Punjab (CUPB) invites e-tender from Original Equipment Manufacturers (OEM) /Authorized Dealers for procurement of **for Whole Genome Sequencing, miRNA Sequencing and NGS Transcriptome Sequencing**

Tender Notice Number	:	Tender No.: ATE-05 (2025-26)
Release Date of the Tender	:	02.12.2025
Last date for the submission of Tender	:	23.12.2025; 12:00PM
Opening date of Tender	:	25.12.2025; 12:00PM (In case tender opening day declared holiday for any reason the tender will be opened on next working day at same time.)
Name and Address of the University	:	Registrar, Central University of Punjab, V.P.O. Ghudda, District, Bathinda – 151401, Punjab, India.
E-Mail Address	:	procurement@cup.edu.in , registrar@cup.ac.in

S. No.	Name of Services	Tender Fee (Non-Refundable)	Earnest Money Deposit (EMD)
1	Procurement of Services for Whole Genome Sequencing, miRNA Sequencing and NGS Transcriptome Sequencing (Detailed specification at Annexure - 'B')	NIL	Rs. 19000/- Through Online Mode

Note:

The bidders registered with NSIC/MSME are exempted from EMD against submission of valid NSIC/MSME registration certificate

EMD Exemption: The bidder EMD exemption, must submit the valid supporting document for the relevant category. Under MSE category, only manufacturers for goods and service providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

GUIDELINES FOR PREPARATION AND SUBMISSION OF TENDER

1. Procedure for preparation of tender:-

- a) Prepare the tender document in order of the checklist attached at Annexure-(i). The checklist should be on top of the technical bid. All other annexures must follow in the same order within each envelop as specified in checklist. If the tender is not as per format, the same may be rejected without any further communication.
- b) The tender fee and EMD/Bid Security (if applicable and mentioned specifically) shall be deposited through NEFT/RTGS or other online transfer modes to designated bank account of the 'Central University of Punjab, Bathinda'.

- | | | | |
|----|--------------|---|--------------------------------|
| a) | Account Name | : | CUPB Nodal Officer E Tendering |
| b) | Name of Bank | : | Canara Bank |
| c) | Account No. | : | 2089101018661 |
| d) | IFSC Code | : | CNRB0002089 |

2. Procedure for Submission of tender: Bids shall be submitted online only at <https://eprocure.gov.in/eprocure/app> University may request hard copy of supporting documents, if needed. University reserves the right to reject the bid if requested documents are not submitted.

Online tender submission:

- a) Online bid should be submitted at CPPP website: <https://eprocure.gov.in/eprocure/app>
- b) **The bidding process is online i.e. EMD, Technical Bid and Financial bid (3 envelope system) must be submitted online.** Bidders should be in possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above.

3. Who can Bid-

- a) Either the authorised agent on behalf of the Principal/OEM or Principal/OEM itself can bid.
- b) If an agent submits bid on behalf of a Principal/OEM along with the Authorization Certificate *with specifically mentioned validity of authorization* for this specific tender from 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 (s)/product (s). All bids other than those from the Principal/OEM should be supported by an authority letter from Principal/OEM authorizing the supplier to tender on their behalf. In case of Principal/OEM, a certificate or a self-certified copy thereof to the effect that the bidder is manufacturer of the equipment must be accompanied with the technical bid.

GENERAL TERMS AND CONDITIONS

1. Technical compliance sheet for each item/instrument should be strictly as per tender format and signed & stamped on each page and not just cut /copy paste and should provide brochure mentioning item(s) with detailed information.
2. The tenders received without earnest money (if applicable) or misleading information or tender not submitted as per guidelines will be outrightly rejected.
3. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached along with other documents.
4. Apart from all these terms and conditions, specific terms as specified for each instrument must also be complied with.
5. The tenders qualifying in technical evaluation will only be considered for financial evaluations. The price bid of others (who are not successful in technical evaluation) will not be considered. Financial bids of only technically acceptable offers shall be opened for further evaluation and ranking for the purpose of awarding the contract.
6. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/modifications in the Tender Enquiry Document.
7. **Right to reject:** The CUPB reserves right to accept/reject any or all the Tenders at any time without assigning any reason.
8. **Delivery Schedule:** Services/results/reports to be provided within 8 weeks from the date of initial QC report submission.
9. **Civil Suit Jurisdiction:** All legal proceedings in connection with this Supply/Purchase order/Contract shall be subject to the territorial jurisdiction of the local Civil Courts, as per Indian Laws, at Bathinda only.
10. **Cancellation :** The University reserves the right to cancel the Supply/purchase order as a whole or in part at any time or in the event of default on the part of the Supplier prior to the receipt of information regarding taking in hand of the manufacture of material against the Supply/Purchase order/dispatch of material to the consignee.

Place:

Signature of Authorized Person

Date:

Designation

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FINANCIAL TERMS AND CONDITIONS

1. **Prices:** Quoted prices of Services/equipment should be firm, inclusive of insurance, loading/unloading charges and FOR Central University of Punjab (CUPB), V.P.O. Ghudda, District Bathinda.
2. **Acceptance of Terms & Conditions:** Bidders must confirm the acceptance of all the terms and conditions of this tender. Non-acceptance or deviations from the terms and conditions must be clearly mentioned. However, tenderers must note carefully that any conditional offer or any deviation from the terms and conditions of this tender enquiry may render the bids liable for rejection.
3. MSE Purchase Preference as per “**Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012**” shall be applicable.
4. **Payment:** 100% payment will be made through RTGS/by cheque after receipt of material(s)/reports/results and satisfactory report of the inspection committee/committee of experts.
5. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
 - a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.
 - b. Execution certificate by client with contract value.
 - c. Any other document in support of contract execution like Third Party Inspection release note, etc
6. **Penalty for non/late delivery of material:** If the Supplier fails to deliver the material/equipment/results/reports within the specified delivery period of the Purchase order, the same is liable to be rejected and if accepted the supplier shall be liable to pay penalty @0.5 per cent (half of one percent) per week (or part thereof) of the cost of undelivered supply/incomplete equipment, not exceeding maximum limit of 10 per cent of the cost of complete unit of undelivered material/equipment so delayed.
7. **Extension in delivery period:** Any genuine delay in approval of technical details drawings, samples, issuance of amendments of the purchase order, conducting inspection and approval of inspection, Test Report/Test Certificate for allowing dispatches etc., will count towards extension of the delivery by the corresponding period other than admissible under Force Majeure conditions, if any substantiated by the supplier and duly accepted by the purchaser.
8. **Arbitration:**
 - a. If, at any time, any question dispute or difference of whatsoever nature arise between the purchaser/University and the bidder/contractor/supplier, upon or in relation to or in connection with purchase order/contract, either party may forthwith give to the other notice in writing of the existence of such question dispute or difference and the same shall be referred to sole arbitration of a nominee of the purchaser/University, who shall give a

reasoned/speaking awards. The award of the sole arbitrator shall be final and binding on the parties under the provisions of the Indian Arbitration Act-1996(Amended up to date) and of the rules, there under. Any statutory amendment, modification or re-enactment thereof for the time being in force, shall be deemed to apply and be incorporated in the contract/purchase order. The sole Arbitrator shall be any officer of the University whose name is approved by the Vice Chancellor. It will not be objectionable if the Sole arbitrator is an officer of the university and he has expressed his views on all or any of the matter in question of dispute or difference.

- b. Upon every or any such reference, the cost of and incidental to the reference and award respectively shall be in the discretion of the sole arbitrator so appointed who may determine the amount there of or direct the same to be fixed as between the solicitor and client or as between party and shall direct by whom & to whom and in what manner the same is to be borne and paid.
 - c. The work under the contract shall, if reasonable possible continue/during the arbitration n proceedings and no payment due or payable by the purchaser/university shall be withheld on account of such proceedings.
9. **Parts of Equipment:** Where the equipment is composed of several separately marketable subunits/components/assemblies, the rate should be quoted for each subunit/ component. The University reserves the right to increase or decrease the number of subunits/ components and number of equipment according to its requirements. The rates in ambiguous terms will render the bids liable to rejection. The words “Not quoting” should be clearly written against any item of equipment for which the tenderer is not quoting.
10. **Validity:** Tenders should be valid for 6 months from the last/due date of tender submission.
11. **Indigenous items:** The items which can/are to be provided indigenously may be listed separately. Such items, along with those imported items which are supplied by authorised Indian agent of overseas Principal/OEM, should be quoted in INR only.
12. **Country of Origin:** Country of origin of the quoted item should be mentioned in the offer in case of Import item(s).

Place:

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CHECK LIST

Document for Tender Fee/EMD - Envelope 1

Sr. No.	Checklist	Yes/No
1	Tender Fee (If applicable),	NA
2	EMD (NSIC/MSME Certificate attached, if exempted/ Bid security declaration).	

Documents for Technical Bid -Envelope 2

Sr. No.	Checklist on top of the technical bid	Yes/No
1.	Application Form Annexure A	
2.	Technical Specification Annexure B	
3.	Technical Specification Compliance Sheet Annexure C	
4.	Non Blacklisting of supplier Annexure D	
5.	Proforma For User List Annexure E	
6.	Declaration of Supplier Annexure F	
7.	Rate Reasonability Certificate Annexure-G	
8.	Past Project Experience at least one of the last three Financial years to be submitted along with the bid in support of quantity supplied in the relevant Financial Year.	
9.	Authorization Certificate <i>with specifically mentioned validity of authorization for this specific tender from the Principal/OEM</i>	
10.	Photocopy of PAN, GST	
11.	Copy of income tax return for last 2 years	
12.	The printed literature and catalogue/brochure giving full technical details should be provided/ included with the technical bid to verify the specifications quoted in the tender.	
13	Service Manual/Circuit Diagram: It is specifically required that the bidders will supply all the operating & service manuals and circuit diagrams along-with the equipment.	
14	Tenders must accompany a copy of the “Financial Terms and Conditions” section of this document, signed and stamped on each page indicating that they agree to these and mention that in future they will not take any action against these terms and conditions.	

Documents for Financial Bid

1	Format of BOQ (Bill of Quantity) available on CPPP. This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only. Quoted prices of equipment (either imported or indigenous, as the case may be) should be firm, inclusive of insurance, loading/unloading charges and FOR Central University of Punjab (CUPB), V.P.O. Ghudda, District Bathinda.) -Prices: Quoted prices of equipment (either imported or indigenous, as the case may be) should be firm, inclusive of insurance, loading/unloading charges and FOR Central University of Punjab (CUPB), V.P.O. Ghudda, District Bathinda.	Only online on CPPP.
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Place:

Signature of Authorized Person

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APPLICATION FORM

To be Filled Completely and Signed (**should be on letterhead of bidder**)

1. Contact details of the head office of proposing firm:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)
2. Name and full address of local office of proposing firm nearest to Bathinda:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)
3. Name and full address of manufacturer:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)
4. Name of advising bank and account number:
5. SWIFT Code:
6. PAN, GST and TAN Number:
7. Manufacturing type (tick mark):
 - i. Import
 - ii. Indigenous
 - iii. Both
8. Country(s) of origin:
9. Any other relevant information:

TECHNICAL SPECIFICATIONS OF THE EQUIPMENT / ITEM(S) / MACHINE/ SERVICES

Name of the Equipment / Item(s)/Services : **Procurement of Services for Whole Genome Sequencing, miRNA Sequencing and NGS Transcriptome Sequencing**

Name of the Manufacturer _____

County of Origin _____

SPECIFICATIONS

क्रमांक Sr. No.	तकनीकी विनिर्देश Technical specifications	मात्रा Qty.
1. 1.1	<p>Next Generation Sequencing of Project Samples (Total Number of Samples = 20)</p> <p>Specification for Whole Genome Sequencing:</p> <ul style="list-style-type: none"> • Extraction OF DNA from Sample using DNeasy Blood isolation kit. • DNA quality control using Nanodrop/Qubit and Agilent Tape station. • Library validation will be carried out using tapestation. • Sequencing of libraries with 2X150 chemistry on Illumina Novaseq X plus. • Participants must have NABL, DISR, ISO Certificate. • Scientists and students will visit the lab before the project starts or during the course of the project . • Sample should be processed using Beckman Coulter Diagnostics Biomek i7 Automated Liquid Handler . • Analysis specifications: WGS sequencing analysis must be done using the proprietary tool which is GUI based/license based whose credential needs to be shared with the client • Extraction: to be done by the company. • Data generation on Illumina Novoseq X Plus -210 GB • Service providers should have publications in WGS and its data analysis. • The company or firm should have in house Illumina Novaseq X Plus platforms with cover of AMC and installation certificate should be provided. • The service provider should have in house Illumina Novaseq X Plus facility in India or possess a signed government MOU. This MOU certificate of Illumina Novaseq X Plus in India is mandatory; otherwise, the proposal will be technically disqualified. • Inhouse sequencing and bioinformatics facility in India (MoU/MoAs/ATC with Academia or independent workshop) where this sequencing project will be run. • Service providers should have demonstrated scientific capability for successful completion of undertaken genomics projects as documented by the service provider being cited in at least 10 publications in peer-reviewed journals. An appropriate web link to support the claim should accompany the proposal. • Samples should not be sent outside India • Neither sample nor prepared libraries can be outsourced. • Novaseq X Plus installation certificate is a must. MOU or collaboration with any institute will not be considered. 	4 Samples

1.2	<p>• Analysis - Genome de novo and guided assembly ,evaluation using various metrics,annotation,mutation calling,annotation,effects,pathway</p> <p>Specifications for miRNA Sequencing</p> <ul style="list-style-type: none"> • Technology to be used - Illumina NovaSeq X Plus. • The procedure should include Library Preparation using the QIA seq miRNA kit, Quality check and RNA Sequencing by Illumina NovaSeq X Plus instrument. • RNA QC Report: The initial RNA quality and quantity report, including the concentration of the provided samples. • NGS Sequencing using 1x 75bp reads with generation of minimum 40 M clean data (adaptor and low quality read removed) • Phred quality score Q30 for >85% of data • Sample should be processed using Beckman Coulter Diagnostics Biomek i7 Automated Liquid Handler . • Analysis specifications: RNA sequencing analysis must be done using the proprietary tool which is GUI based /license based whose credential needed to be shared with the client . • Service Providers should have software which is compatible to do NGS data and analysis . • Extraction: to be done by the company. • No extra cost should be charged from the institute for re-run of the RNA Sequencing samples, if generated data does not match the desired quality. • Unused RNA samples must be returned. • Novaseq X Plus must be installed at the site, not at the collaborative site or lab. • RNA or library should not be outsourced to any other Service provider in India or abroad at any stage. Written commitment to be submitted. • Raw data should be generated within 2 weeks after the samples pass the QC and the raw data should be shared in HOD or FTP along with an analysis report within 2 weeks after generating the data. • The Vendor (or Authorised Agent) should provide a facility certificate to testify the possession of an in-house Illumina Novaseq X Plus. • No intellectual property/knowledge/insight/information generated during rendering such services can be retained or shared with any third party by the service provider/vendor. • Neither sample nor prepared libraries can be outsourced. • Novaseq X Plus installation certificate is a must. MOU or collaboration with any institute will not be considered. • Technical -RNA quality control,QC of bio-analyzer,Tape-station,Library preparation,Adaptor trimming from the raw reads with statistics percent adapters present in data sets,Trimmed reads quantification and length filtering,Length distribution graph of the unit reads ,Mapping of unit reads onto the reference genome,Filtering non-coding RNAs other than miRNAs present in the data-set,Mining of known and novel miRNAs from datasets,Target prediction of known and novel miRNAs, Differential miRNA expressions analysis across the samples ,miRNA and mRNA co-expression network analysis,GO and Pathway analysis for target prediction of novel miRNA 	8 Samples
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1.3	<p>Specifications for NGS Transcriptome Sequencing:</p> <ul style="list-style-type: none"> • Technology to be used - Illumina NovaSeq X Plus. • The procedure should include Library Preparation, Quality check and RNA Sequencing by Illumina NovaSeq X Plus instrument. • RNA QC Report: The initial RNA quality and quantity report, including the concentration of the provided samples. • NGS Sequencing using 2x 150bp reads with generation of minimum 2.5 - 3.0 GB clean data (adaptor and low quality read removed) • Phred quality score Q30 for >90% of data • Sample should be processed using Beckman Coulter Diagnostics Biomek i7 Automated Liquid Handler . • Analysis specifications: RNA sequencing analysis must be done using the proprietary tool which is GUI based /license based whose credential needed to be shared with the client . • Service Providers should have software which is compatible to do NGS data and analysis . • Extraction: to be done by the company. • No extra cost should be charged from the institute for re-run of the RNA Sequencing samples, if generated data does not match the desired quality. • Unused RNA samples must be returned. • Novaseq X Plus must be installed at the site, not at the collaborative site or lab. • RNA or library should not be outsourced to any other Service provider in India or abroad at any stage. Written commitment to be submitted. • Raw data should be generated within 2 weeks after the samples pass the QC and the raw data should be shared in HOD or FTP along with an analysis report within 2 weeks after generating the data. • The Vendor (or Authorised Agent) should provide a facility certificate to testify the possession of an in-house Illumina Novaseq X Plus. • No intellectual property/knowledge/insight/information generated during rendering such services can be retained or shared with any third party by the service provider/vendor. • Scientists may visit the lab premises where the work is proposed to be carried out. • The company should have good experience/record in conducting such experiments with purchase orders from research institutes/labs. • Service Provider should have demonstrated scientific capability for successful completion of undertaken genomics projects as documented by service provider being cited in at least 10 publications in peer -reviewed journals .An Appropriate web link to support the claim should accompany the proposal. • Neither sample nor prepared libraries can be outsourced. • Novaseq X Plus installation certificate is a must. MOU or collaboration with any institute will not be considered. • Analysis - Genome guided de novo assembly ,evaluation ,structural and functional,annotation,transcript expression ,differential expression ,pathways and gene ontology,Alternative splicing,differential alternative splicing ,pathways and gene ontology and RNA editing . 	8 Samples
	वारंटी /Warranty	
	वार्षिक रखरखाव अनुबंध / AMC	
	व्यापक रखरखाव अनुबंध / CMC	

Terms and Conditions-

1. **Delivery period:** 8 weeks from the date of initial QC report submission.
2. **Validity:** Tenders should be valid for 6 months from the last/due date of tender submission.
3. **Prices:** Quoted prices of equipment/Services (either imported or indigenous, as the case may be) should be firm, inclusive of insurance, loading/unloading charges and FOR Central University of Punjab (CUPB), V.P.O. Ghudda, District Bathinda.

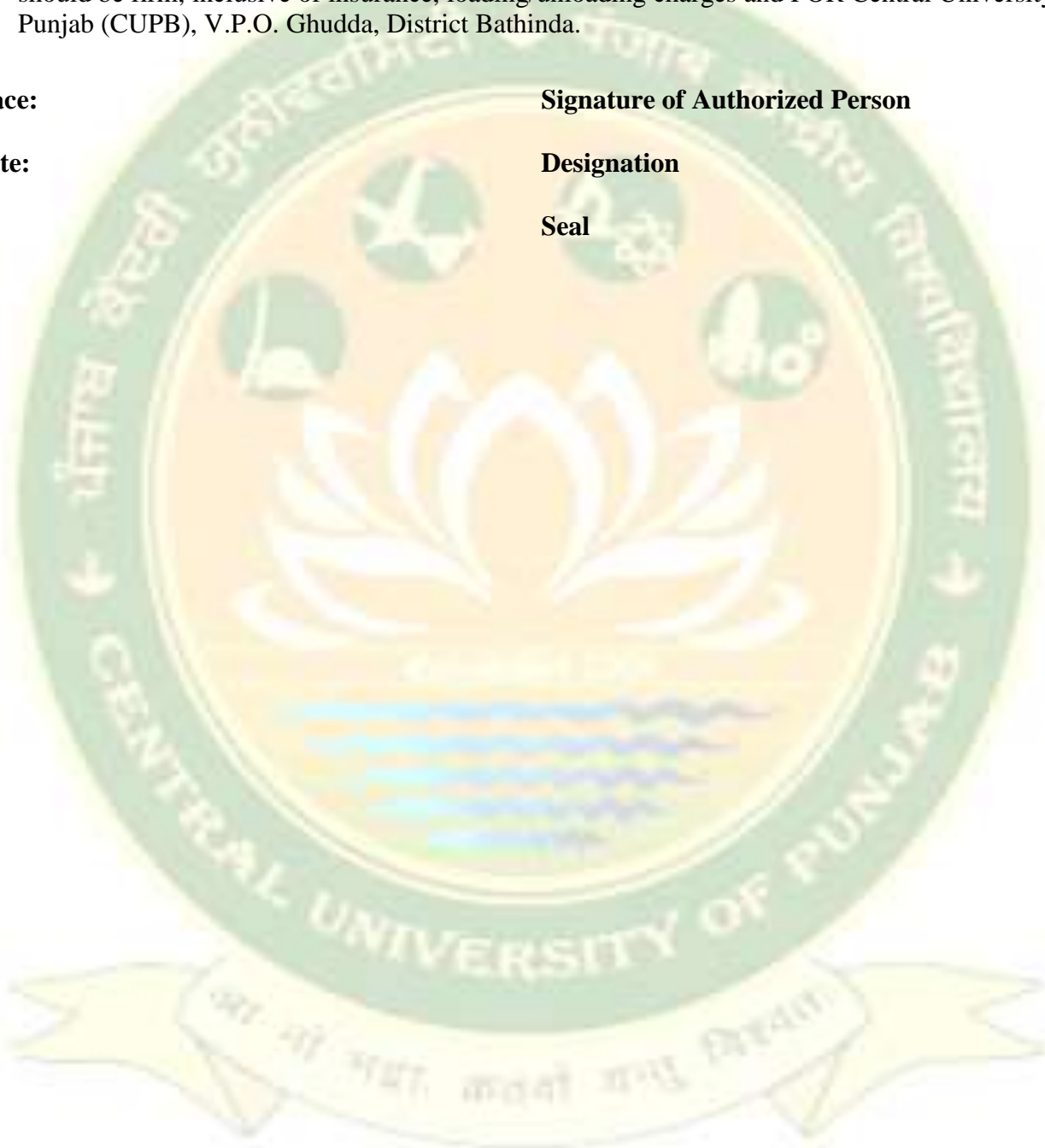
Place:

Signature of Authorized Person

Date:

Designation

Seal



TECHNICAL SPECIFICATION COMPLIANCE SHEET

(No cut / copy paste, provide with supporting document)

S. No.	Specifications as per tender (point wise)	Compliance of the quoted model	Compliance of alternate model, if any	Remarks (Deviations)

Signature and seal of the Manufacturer/Bidder firm

Date: _____

Place: _____

Note: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”

(Furnishing of wrong statement may lead to debar from the future purchases of CENTRAL UNIVERSITY OF PUNJAB, V.P.O Ghudda, District Bathinda.)

FORMAT FOR NON-BLACKLISTING OF SUPPLIER

I/ We _____Manufacturer/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) _____ do hereby declare and solemnly affirm that our firm/company is never black-listed by the Union/State Government/Autonomous body.

Deponent

Address _____

I/ We hereby solemnly declare and affirm that the above declaration is true and correct to the best of my/our knowledge and belief. No part of it is false and nothing has been concealed.

Deponent

Dated: _____



Annexure-‘E’

PROFORMA FOR USER LIST

Sl. No.	Name & full address of purchaser	Purchase Order No. & Date	Year of Purchasing	No. of Units (Qty.)	Model No. with Date of Installation	Contact person with cell, phone and email id

Place:

Signature of Authorized Person

Date:

Designation

Seal

DECLARATION BY SUPPLIER

“It is certified that I/we have carefully read and understood the entire general, special as well as specific terms and conditions of these documents and agree to abide by all of these. All the information and commitments provided with the bids are truthful and binding on the firm.”

Place:

Signature of Authorized Person

Date:

Designation

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Annexure-G

RATE REASONABILITY CERTIFICATE

Certified that “Rates quoted by us vide Tender No. - **ATE-05 (2025-26)** Dated
_____ are same and not higher than those quoted with other Govt./Semi-
Govt./Private/ Autonomous/Similar Institutions.”

Place:

Signature of Authorized Person

Date:

Designation

Seal

