

Standard Bidding Document

Different Items for Electronics Lab (CS) (Tender No. VU/26-27/08/897)
(Goods)

National

Single Stage-One Envelope



September 04, 2026

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REQUEST FOR BIDS

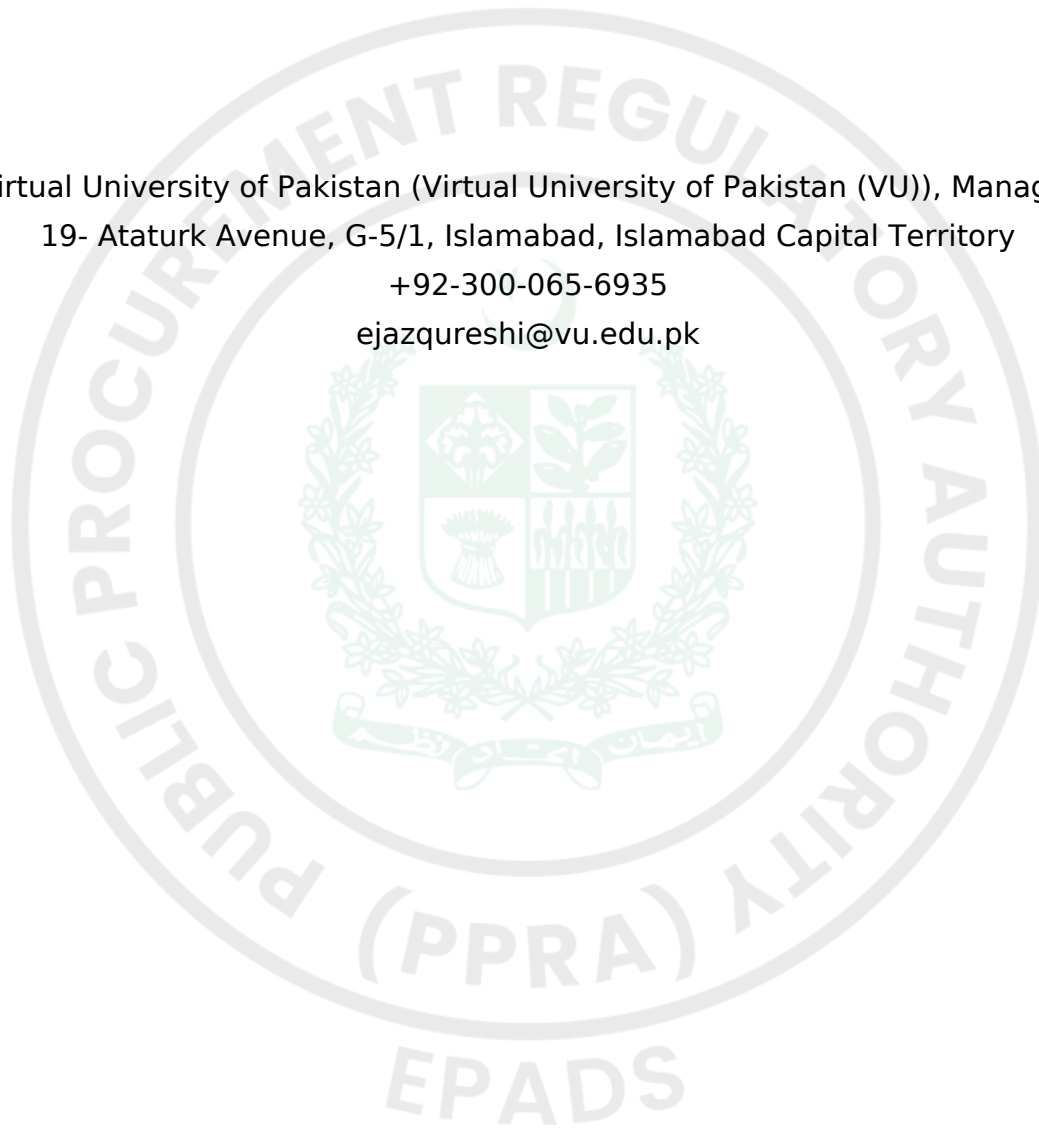
PROCUREMENT OF GOODS

1. The **Virtual University of Pakistan (Virtual University of Pakistan (VU))** has reserved Funds for the procurement planned for FY **2026-27**. The **Virtual University of Pakistan (Virtual University of Pakistan (VU))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the "**Different Items for Electronics Lab (CS) (Tender No. VU/26-27/08/897)**" with the reference of "**P99673**"
2. The **Virtual University of Pakistan (Virtual University of Pakistan (VU))** invites sealed Bids from eligible Bidders for procurement of goods described in the bidding documents on **EPADS v2.0**.
3. **Single Stage-One Envelope** will be used by adopting **Least Cost Based Selection (LCBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, Regulatory Guides, Procurement Guidelines or Instructions issued by the Authority from time to time.
4. All Bids must be accompanied by a Bid Security amounting described in Bid Security Section in Bidding Document in the form of **Pay Order, Banker's Cheque, Call at Deposit, Bank Guarantee, Demand Draft** or all bids must be accompanied by bid securing declaration in the format specified in the Bidding documents
5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **<https://epads.gov.pk/opportunities/federal/procurements/99673>** for all the interested bidders registered on **EPADS v2.0**. Bidders are required to get themselves registered on **EPADS v2.0** to participate in Bidding process.
6. The e-bids, prepared in accordance with the instructions in the e-Bidding Documents, must be submitted through **EPADS v2.0** on or before **Monday, September 21, 2026 02:00 PM**. E-bids will be opened using **EPADS v2.0** on the same day at **Monday, September 21, 2026 02:30 PM**. Manual

submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>

In terms of Rule 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and on Authority's website at (www.ppra.org.pk).

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Instructions to Bidders

A. Introduction

1.Scope of Bids

1.1 The Procuring Agency (PA), as indicated in the **Bids Data Sheet (BDS)** invites Bids **through EPADS v2.0** for the provision of Goods for as specified in the BDS and **in Section V - Evaluation Criteria, Specifications & Schedule of Requirements**. The name, identification, and number of items/deliverables are provided in the **BDS**. The successful Bidders will be expected to provide the goods within the specified period and timeline(s) as stated in the **BDS**.

2. Source of Funds

2.1 Source of funds is referred in Clause-1 of Invitation for Bids.

3. Eligible Bidders

3.1 A Bidder may be natural person, company or firm or public or semi-public agency of Pakistan or any foreign country, or any combination of them with a formal existing agreement (on Judicial Papers) in the form of a joint venture, consortium, or association. In the case of a joint venture, consortium, or association, all members shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The joint venture, consortium, or association shall nominate a Lead Member as nominated in the BDS, who shall have the authority to conduct all business for and on behalf of any and all the members of the joint venture, consortium, or association during the Bidding process, and in case of award of contract, during the execution of the contract.

3.2 Verifiable copy of the agreement that forms a joint venture, consortium or association shall be required to be submitted as part of the Bid.

3.3 The appointment of Lead Member in the joint venture, consortium, or association shall be confirmed by submission of a valid Power of Attorney to the Procuring Agency.

3.4 Any bid submitted by the joint venture, consortium or association shall indicate the part of proposed contract to be performed by each party and each party shall be evaluated (or post qualified if required) with respect to its contribution only, and the responsibilities of each party shall not be substantially altered without prior written approval of the Procuring Agency and in line with

any instructions issued by the Authority.

(The limit on the number of members of JV or Consortium or Association may be prescribed in BDS, in accordance with the guidelines issued by the PPRA).

3.5 The invitation for Bids is open to all prospective suppliers, manufacturers, or authorized agents / dealers subject to any provisions of incorporation or licensing by the respective national incorporating agency or statutory body established for that particular trade or business. Procuring agencies shall specify the registration/licensing requirements for the foreign bidders keeping in view the requirement of that business.

3.6 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this Bidding process, if they:

1. are associated or have been associated in the past, directly or indirectly with a firm or any of its affiliates which have been engaged by the Procuring Agency to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the Goods to be purchased under this Invitation for Bids.
2. have controlling shareholders in common; or
3. receive or have received any direct or indirect subsidy from any of them; or
4. have the same legal representative for purposes of this Bid; or
5. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bids of another Bidder, or influence the decisions of the Procuring Agency regarding this Bidding process; or
6. Submit more than one Bid in this Bidding process.

3.7 A Bidder may be ineligible if –

1. he is declared bankrupt or, in the case of company or firm, insolvent;
2. payments in favor of the Bidder is suspended in accordance with the judgment of a court of law other than a judgment declaring bankruptcy and resulting (in accordance with the national laws) in the total or partial loss of the right to administer and dispose of its property;

3. the Bidder is convicted, by a final judgment, of any offence involving professional conduct;

4. the Bidder is blacklisted locally or by international organizations and hence debarred due to involvement in corrupt and fraudulent practices, or performance failure or due to breach of Bid securing declaration.

3.8 As and when required, bidders shall provide to the Procuring Agency evidence of their eligibility, proof of compliance with the necessary legal requirements to carry out the contract effectively.

3.9 Bidders shall submit Bids relating to the nature, conditions and modalities of sub-contracting wherever the sub-contracting of any elements of the contract amounting to more than ten (10) percent of the Bid price is envisaged.

4. Eligible Goods and Related Services

4.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services. For purpose of this Bid, ineligible countries are the countries declared ineligible by the Federal Government.

5. One Bid per Bidder

5.1 A bidder shall submit only one Bid, in the same bidding process, either individually as a Bidder or as a member in a joint venture or any similar arrangement.

5.2 The Bidder shall not engage a subcontractor for any portion of the contract if the value of such subcontracting exceeds thirty percent (30%) of the total contract amount.

6. Cost of Bidding

6.1 Any cost incurred by the bidder relating to the preparation and submission of its Bid shall be borne by the bidder, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. Bidding Documents

7. Contents of Bidding Document

7.1 The Goods required, Bidding procedures, and terms and conditions of the contract are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the Bidding documents which should be read in conjunction with any addenda issued in accordance with **ITB 9.1** include:

Section I -Invitation to Bids

Section II Instructions to Bidders (ITB)

Section III Bid Data Sheet (BDS)

Section IV Evaluation Criteria, Specifications, Schedule of Requirements

Section V Bid Forms

Section VI General Conditions of Contract (GCC)

Section VII Special Conditions of Contract (SCC)

Section VIII Contract Forms

7.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding documents. Failure to furnish all the information required in the Bidding documents through **EPADS v2.0** will be at the Bidder's risk and may result in the rejection of his Bids.

8. Clarification of Bidding documents

8.1 A prospective Bidder requiring any clarification of the Bidding documents may notify the Procuring Agency through **EPADS v2.0**.

8.2 The Procuring Agency will within three (3) working days after receiving the request for clarification, respond to any request for clarification through **EPADS v2.0** provided that such request is received not later than three (03) days prior to the deadline for the submission of Bids as prescribed in **ITB 22**

8.3 Copies of the Procuring Agency's response will be forwarded to all identified Prospective Bidders through **EPADS v2.0**, including a description of the inquiry, but without identifying its source.

8.4 Should the Procuring Agency deem it necessary to amend the Bidding document as a result of a clarification, it shall do so following the procedure under **ITB 9**.

8.5 If indicated **in the BDS**, the Bidder's designated representative is invited at the Bidder's cost to attend a pre-Bid meeting at the place, date and time mentioned **in the BDS**. During this pre-Bid meeting, prospective Bidders may request clarification of the schedule of requirement, the Evaluation Criteria or any other aspects of the Bidding document.

8.6 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, including those during the meeting (without identifying the source) and the responses given, together with any responses prepared after the meeting will be uploaded on **EPADS v2.0**. Any modification to the Bidding documents that may become necessary as a result of the pre-Bid meeting shall be made by the Procuring Agency exclusively through the use of an Addendum pursuant to **ITB 9**. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

9. Amendment of Bidding documents

9.1 Before the deadline for submission of Bids, the Procuring Agency for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder or Pre-Bid meeting may modify the Bidding documents by issuing addenda through **EPADS v2.0**.

9.2 The Procuring Agency shall promptly publish the addendum through **EPADS v2.0**.

9.3 Any addendum issued including the notice of any extension of the deadline shall also be communicated through EPADS v2.0 to all the bidders who have already submitted their bids. Such bidders shall have the right to withdraw their already submitted bid and re-submit the revised bid prior to the original or extended bid submission deadline.

9.4 To give prospective Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their Bids, the Procuring Agency may, at its discretion, extend the deadline for the submission of Bids through **EPADS v2.0**:

Provided that the Procuring Agency shall extend the deadline for submission of Bids, if such an addendum is issued within last three (03) days of the Bids submission deadline.

C. Preparation of Bids

10. Language of Bid

10.1 The Bid prepared by the bidder, as well as all correspondence and documents relating to the Bids exchanged by the Bidder and the Procuring Agency shall be written in the English language unless otherwise specified in the BDS. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in the English language unless otherwise specified in the **BDS**, in which case, for purposes of interpretation of the Bidder, the translation shall govern.

11. Documents and samples Constituting the Bid

11.1 The Bid prepared by the Bidder shall constitute the documents required in the **BDS**.

Details of sample(s) where applicable and requested in the BDS.

1. Documentary evidence established in accordance with ITB that the Bidder is eligible and/or qualified for the subject bidding process;
2. Documentary evidence establish that the Bidder has been authorized by the manufacturer to deliver the goods into Pakistan, where required and where the supplier is not the manufacturer of those goods;
3. Documentary evidence establish that the goods and related services to be supplied by the Bidder are eligible goods and services, and conform to the Bidding Documents;
4. Bid security or Bid Securing Declaration furnished in accordance with **ITB 18**.

12. Documents Establishing Eligibility of the Goods and Conformity to Bidding documents

12.1 To establish the conformity of the bidder to the Bidding document, the Bidder shall furnish as part of its Bids the documentary evidence that Goods provided conform to the technical specifications and standards.

13. Documents Establishing Eligibility and Qualification of the Bidder

13.1 The Bidder shall furnish, as part of its Bid, all those documents establishing the Bidder's eligibility to participate in the Bidding process and/or its qualification to perform the contract if its Bid is accepted.

14. Form of Bids

14.1 The Bidder shall fill the Form of Bid furnished in the Bidding documents. The Bids Form must be completed without any alterations to its format and no substitute shall be accepted.

15. Bids Prices

15.1 The Bids Prices quoted by the Bidder in the Form of Bid and in the Price Schedules shall conform to the requirements specified below or exclusively mentioned hereafter in the Bidding documents.

15.2 All items in the Schedule of Requirement must be listed and priced separately in the Price Schedule(s). If a Price Schedule shows items listed but not priced and neither explicitly denied, their prices shall be construed to be included in the prices of other items.

15.3 Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is still substantially responsive in their absence or due to their nominal nature, the corresponding average price of the respective item(s) of the remaining substantially responsive Bidder(s) shall be construed to be the price of those missing item(s).

15.4 The Bid price to be quoted in the Form of Bid in accordance with **ITB 14.1** shall be the total price of the Bid.

15.5 The Bidder shall indicate on the appropriate Price Schedule, the unit prices (where applicable) and total Bid price of the Goods it proposes to provide under the contract.

15.6 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A Bid submitted with an adjustable price will be treated as non-responsive and shall be rejected.

16. Bids Currencies

16.1 Prices shall be quoted in Pakistani Rupees unless otherwise specified in the BDS in accordance with Rule 30 (2) of the Public Procurement Rules, 2004.

17. Bids Validity Period

17.1 Bids shall remain valid for the period specified in the **BDS** after the Bid submission deadline prescribed by the Procuring Agency. A Bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive. The period of Bid validity will be determined from the complementary Bid securing instrument, i.e. the expiry period of Bid Security or Bids Securing Declaration as the case may be.

17.2 The procuring agency shall ordinarily be under an obligation to process and evaluate the bid and to issue letter of award within the stipulated bid validity period.

17.3 Under exceptional circumstances, prior to the expiration of the initial Bid validity period, the Procuring Agency may request the Bidders' consent to an extension of the period of validity of their Bids only once through **EPADS v2.0**, for the period not more than the period of initial bid validity. The Bid Security provided under **ITB 18** shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid security or causing to be executed its Bid Securing Declaration. A Bidder agreeing to the request will not be required nor permitted to modify its Bid, but will be required to extend the validity of its Bid Security or Bid Securing Declaration for the period of the extension.

18. Bid Security or Bid Securing Declaration

18.1 The Bidder shall furnish as part of its Bid, a Bid Security in accordance with Rule 25 of the Public Procurement Rules, 2004.

18.2 The original Bid Security shall be enclosed within the sealed envelope and to be submitted physically before closing time for submission of bids. Whereas, scanned copy of bid security shall be uploaded electronically through EPADS v2.0 before closing hours for submission of bids.

18.3 The Bidder who failed to submit the original Bids security before the submission deadline shall be disqualified straightaway.

18.4 The Bid Security or Bid Securing Declaration is required to protect the Procuring Agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to **ITB 18.7**.

18.5 The Bid Security shall be denominated in the local currency, and it shall be a Bank Draft in the name of the Procuring Agency and valid for twenty-eight (28) days beyond the end of the validity of the Bid. This shall also apply if the period

for Bids/Bid Validity is extended. In either case, the form must include the complete name of the Bidder.

18.6 The Bid Security shall be payable promptly upon written demand by the Procuring Agency in case any of the conditions listed in **ITB 18** are invoked.

18.7 Unsuccessful Bidders' Bid Security will be discharged or returned as promptly as possible, however in no case later than thirty (30) days after the expiration of the period of Bids Validity prescribed by the Procuring Agency pursuant to **ITB 17**. The Procuring Agency shall make no claim to the amount of the Bid Security, and shall promptly return the Bid Security document, after whichever of the following that occurs earliest:

- a. the expiry of the Bid Security;
- b. the entry into force of a procurement contract and the provision of a Performance Guarantee, for the performance of the contract if such a guarantee, is required by the Bid documents;
- c. the rejection by the Procuring Agency of all Bids;
- d. the withdrawal of the Bids prior to the deadline for the submission of Bids, unless the Bids documents stipulate that no such withdrawal is permitted.

18.8 The successful Bidder's Bids Security will be discharged upon the Bidder signing the contract, or furnishing the Performance Guarantee.

18.9 The Bid Security may be forfeited or the Bid Securing Declaration executed:

- a. if a Bidder:
- b. withdraws its Bid during the period of Bid Validity as specified by the Procuring Agency, and referred by the Bidder on the Form of Bids except as provided for in **ITB 17.2**; or
- c. does not accept the correction of errors; or
- d. in the case of a successful Bidder, if the Bidder fails:
- e. to sign the contract; or
- f. to furnish Performance Guarantee.

19. Withdrawal, Substitution, and Modification of Bid

19.1 Before Bid submission deadline, any Bidder may withdraw, substitute, or modify its Bid after it has been submitted through EPADS v2.0. Bids requested to be withdrawn, shall be returned unopened to the Bidders through **EPADS v2.0**.

20. Format and Signing of Bid

20.1 The Bidder shall prepare and submit Bids with due diligence after carefully reading all the terms and condition **before bid submission deadline** through EPADS v2.0.

D. Submission of Bids

21. Submission of Bids through EPADS v2.0

21.1 The Technical and Financial Bids if required to submitted, shall be submitted on **EPADS v2.0**.

22. Deadline for Submission of Bids

22.1 Bids shall be received by the Procuring Agency through **EPADS v2.0** before bid submission deadline.

22.2 The Procuring Agency may, under exceptional circumstances, extend the deadline for the submission of Bids, after recording reasons in writing and in an equal opportunity manner.

In such case, all rights and obligations of the Procuring Agency and the Bidders that were previously governed by the original deadline shall thereafter be subject to the revised deadline.

E. Opening and Evaluation of Bids

23. Opening of Bids

23.1 The Bid Evaluation Committee of the Procuring Agency shall open all Bids through the EPADS v2.0, on the date and time specified in the Bid Data Sheet (BDS).

23.2 The Bid Evaluation Committee **shall generate minutes through EPADS v2.0 containing brief details of bid opening process.** The record of the Bid opening shall include, as a minimum: the name of the Bidder, the Bid price if applicable, and the presence or absence of a Bid Security or Bid Securing Declaration.

23.3 The procuring agency shall live broadcast the opening of bids on national media or on their website or digital channels, if the volume of procurement exceeds five hundred million rupees in case of goods and services and one thousand million rupees in case of works.

23.4 In case the date of opening of bid has been declared as public holiday or the procuring agency fail to open bid due to any EPADS v2.0 related issues, the submission and opening of bids shall be shifted to the next working day on the same time.

23.5 In case of Single Stage One Envelope Procedure, the Bidders names, the Bid prices, the total amount of each Bid and, the presence or absence of Bid Security, Bid Securing Declaration and such other details as the Procuring Agency may consider appropriate, will be announced by the Bid Evaluation Committee.

24. Clarification of Bids

24.1 To assist in the examination, evaluation and comparison of Bids of the Bidders, the Procuring Agency may, ask any Bidder for a clarification of its Bid including breakdown of prices.

24.2 The request for clarification and the response shall be sought through EPADS v2.0 **before three days prior to the deadline for submission of bids.** No change in the prices or substance of the Bids shall be sought, offered, or permitted.

24.3 The alteration or modification in the BIDS which in any way affect the following parameters will be considered as a change in the substance of a Bids:

1. evaluation & qualification criteria;
2. required scope of work or specifications;
3. all securities requirements;
4. tax requirements;

5. terms and conditions of Bidding documents.

6. change in the ranking of the Bidder

24.4 From the time of Bids opening to the time of Contract award if any Bidder wishes to contact the Procuring Agency on any matter related to the Bids it should do so through **EPADS v2.0**.

25. Preliminary Examination of Bids

25.1 Prior to the detailed evaluation of Bids, the Procuring Agency will determine whether each Bid:

1. meets the eligibility criteria defined in **ITB 3**;
2. has been prepared as per the format and contents defined by the Procuring Agency in the Bidding documents;
3. is accompanied by the required securities; and
4. is substantially responsive to the requirements of the Bidding documents.

25.2 The Procuring Agency's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

25.3 A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one that: -

1. affects in any substantial way the scope, quality, or performance of the Goods;
2. limits in any substantial way, inconsistent with the Bidding documents, the Procuring Agency's rights or the Bidders obligations under the Contract; or
3. if rectified, would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

25.3 If a Bids is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be evaluated for complete technical responsiveness.

26. Examination of Terms and Conditions; Technical Evaluation

26.1 The Procuring Agency shall examine the Bids to confirm that all terms and conditions specified in the **GCC** and the **SCC** have been accepted by the Bidder without any material deviation or reservation.

26.2 The Procuring Agency shall evaluate the technical aspects of the Bids submitted, to confirm that all requirements specified in Schedule of Requirements and Technical Specifications of the Bidding documents have been met without material deviation or reservation.

26.3 If after the examination of the terms and conditions and the technical evaluation, the Procuring Agency determines that the Bid is not substantially responsive in accordance with **ITB 25.2**, it shall reject the Bid.

27. Correction of Errors

27.1 Bids determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows: -

1. if there is a discrepancy between unit prices and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected, unless in the opinion of the Procuring Agency there is an obvious misplacement of the decimal point in the unit price, in which the total price as quoted shall govern and the unit price shall be corrected;
2. if there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
3. where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.
4. Where there is discrepancy between grand total of price schedule and amount mentioned on the Form of Bids, the amount referred in Price Schedule shall be treated as correct subject to elimination of other errors.

27.2 The amount stated in the Bid will, be adjusted by the Procuring Agency in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, its Bid will then be rejected, and the Bid Security may be forfeited or the Bids Securing Declaration may be executed.

28. Conversion to Single Currency

28.1 To facilitate evaluation and comparison, the Procuring Agency will convert all Bids prices expressed in the amounts in various currencies in which the Bids prices are payable. For the purposes of comparison of bids quoted in different currencies, the price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate prevailing on the date of opening of financial bids specified in the bidding documents, in accordance with weighted average customer exchange rates list issued by the State Bank of Pakistan on that day.

29. Evaluation of Bids

29.1 The Bids, quotations, or proposals shall be evaluated by the respective evaluation committees as per evaluation criteria described in the Bidding Documents in accordance with Rule 29 and 30 of the Public Procurement Rules, 2004.

1. Least Cost Based Selection (LCBS)

After meeting the requirements of eligibility, qualification and substantial responsiveness, the bid in compliance with all the mandatory (technical) specifications/requirements and/or requisite quality threshold (if any), and having lowest evaluated cost (or financial proposal) shall be considered Successful Bid.

2. Quality and Cost Based Selection (QCBS)

In such combination, there shall be some specific weightage of both the technical features and financial aspects of the proposal. The financial marks shall be awarded on the basis of inverse proportion calculations. The successful bid shall be declared, on the basis of combined evaluation.

3. Quality Based Selection (QBS)

After meeting the requirements of eligibility, qualification and substantial responsiveness the bid in compliance with all the mandatory (technical) specifications/requirements and attaining highest marks in the Technical Evaluation considering all other qualitative and/or quantitative parameters (or point rated criteria) for technical proposal(s) such as working methodology, implementation plan, resource allocation, additional functionalities, risk management approach, knowledge transfer techniques, post implementation methodology etc. shall be treated as highest ranked bid. Later on, the financial proposal of highest ranked bidder shall be opened, however, in case of failure to proceed further with such a bidder, the procuring agency may resort to second

highest bidder and so on.

29.2 In case of tie of bids, the bidders shall be provided an opportunity to offer their best and final monetary offer through EPADS v2.0. However, in no case the rates shall be higher than the original financial bids.

30. Domestic Preference

30.1 The procuring agency shall evaluate and compare bids, allow for preference to domestic bidders, while competing with the international bidders in accordance with the policies of Federal Government.

The percentage of preference, to be accorded shall be clearly mentioned in the bidding documents under the bid evaluation criteria.

31. Determination of Successful Bid

31.1 Selection technique will be adopted for determining the Successful Bid in accordance with the criteria referred in the BDS or prescribed in the separate section titled as Evaluation Criteria.

31.2 In case where the Procuring Agency adopts the Cost Based Evaluation Technique and, the Bid with the lowest evaluated price from amongst those which are eligible, compliant and substantially responsive shall be the Successful Bid.

31.3 The Procuring Agency may adopt the Quality & Cost Based Selection Technique due to the following two reasons:

1. Where the Procuring Agency knows about the main features, usage and output of the products; however not clear about the complete features, technical specifications and functionalities of the goods to be procured and requires the bidders to submit their proposals defining those features, specifications and functionalities; or
2. Where the Procuring Agency, in addition to the mandatory requirements and mandatory technical specifications, requires parameters specified in Evaluation Criteria to be evaluated while determining the quality of the goods.

31.4 In such cases, the Procuring Agency may allocate certain weightage to these factors as a part of Evaluation Criteria, and may determine the ranking of the bidders on the basis of combined evaluation in accordance with provisions of Rule 2(1)(h) of the Public Procurement Rules, 2004.

32. Abnormally Low Financial Bids

32.1 Where the Bid price is considered to be abnormally low, the Procuring Agency shall perform price analysis either during determination of Successful Bids or as a part of the post-qualification process.

32.2 The Procuring Agency may reject an Abnormally low financial bids.

32.3 In order to identify the Abnormally Low Bids (ALB) following approaches can be considered to minimize the scope of subjectivity:

1. Comparing the Bids price with the cost estimate;
2. Comparing the Bids price with the Bids offered by other Bidders submitting substantially responsive Bids; and
3. Comparing the Bids price with prices paid in similar contracts in the recent past either government- or development partner-funded.

32.4 The Procuring Agency will determine to its satisfaction whether the Bidder that is selected as having submitted the successful bid is qualified to perform the contract satisfactorily.

32.5 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Procuring Agency deems necessary and appropriate. Factors not included in these Bidding documents shall not be used in the evaluation of the Bidders' qualifications.

32.6 Procuring Agency may seek "Certificate for Independent Price Determination" from the Bidder and the results of reference checks may be used in determining an award of contract.

Explanation: The Certificate shall be furnished by the Bidder. The Bidder shall certify that the price is determined keeping in view of all the essential aspects such as raw material, its processing, value addition, optimization of resources due to economy of scale, transportation, insurance and margin of profit etc.

32.7 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's Bids, in which event the Procuring Agency will proceed to the next ranked Bidder to make a similar determination of that Bidder's capabilities to

perform satisfactorily.

F. Award of Contract

33. Criteria of Award

33.1 The Procuring Agency will award the Contract to the Bidder whose Bids has been determined to be substantially responsive to the Bidding documents and who has been declared as Most Advantageous Bidder.

34. Negotiations

34.1 The procuring agency shall not engage in negotiations with respect to scope and price with the bidder except when the procuring agency conducts a procurement using direct **or negotiated** contracting or a request for proposals with evaluation based on quality alone.

34.2 The procuring agency may negotiate with the most advantageous bid with a view to streamline the work or task execution, at the time of contract finalization on methodology, work plan, staffing, finalizing payment arrangements, delivery arrangements, minor amendments to the special conditions of the contract.

35. Procuring Agency Right to reject all bids

35.1 The Procuring Agency reserves the right to reject all bids or proposals at any time prior to the issuance of the Letter of Award, without incurring any liability, in accordance with Rule 33 of the Public Procurement Rules, 2004.

36. Procuring Agency's Right to Vary Quantities at the Time of Award

36.1 The Procuring Agency reserves the right at the time of contract award to increase or decrease the **quantity of** Goods originally specified in these Bidding documents provided this does not exceed **by** 15%, without any change in unit price or other terms and conditions of the Bids and Bidding documents.

37. Notification of Award

37.1 Prior to the award of contract, the procuring agency shall announce and publish the result of bid evaluation on **EPADS v2.0** in accordance with Rule 35

of the Public Procurement Rules, 2004.

37.2 The Bidder whose Bids has been accepted will be notified of the award by the Procuring Agency prior to expiration of the Bids/Bid Validity period. The Letter of Award will state the sum that the Procuring Agency will pay the successful Bidder in consideration for the delivery of Goods as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price).

37.3 The Letter of award will constitute the formation of the Contract, subject to the Bidder furnishing the Performance Guarantee and signing of the contract.

38. Signing of Contract

38.1 Promptly after issuance of Letter of award, Procuring Agency shall send the successful Bidder the draft Contract, incorporating all terms and conditions as agreed by the parties to the contract.

38.2 Immediately after the Redressal of grievance by the GRC (if any), mandatory standstill period in accordance with Rule 35 of the Public Procurement Rules, 2004 and **after fulfillment of all condition's precedent** of the Contract Form, the successful Bidder and the Procuring Agency shall sign the Contract.

39. Corrupt & Fraudulent Practices

39.1 Procuring Agencies (including beneficiaries of Government funded projects and procurement) as well as Bidders/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts, and will avoid to engage in any corrupt and fraudulent practices.

F. Grievance Redressal & Complaint Review Mechanism

40. Constitution of Grievance Redressal

40.1 The Grievance Redressal Committee shall address the grievance, if any submitted by any party, including the bidder, in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

40.2 In case if any party or the bidder is not satisfied with the decision of the GRC or if it fails to decide within ten days, the bidder or the party may file an appeal before the Appellate Committee of the Authority in accordance with Rule 48 of the Public Procurement Rules, 2004 to be read with Redressal of Grievances Regulations, 2021.

G. Mechanism of Blacklisting

41. Mechanism of Blacklisting

41.1 The Procuring Agency shall initiate blacklisting proceedings against any bidder, supplier, or contractor in accordance with the Mechanism for Blacklisting Regulations, 2024, read with Rule 19 of the Public Procurement Rules, 2004.

41.2 The blacklisted/debarred bidder may file the review petition before the Authority in accordance with Rule 19 of the Public Procurement Rules, 2004 to be read with Procedure of filing and disposal of Review Petitions Regulations, 2021.





Bid Data Sheet

Bids Data Sheet (BDS)

The following specific data for the procurement of Goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number

ITB Number

Amendments of, and Supplements to, Clauses in the Instruction to Bidders

A. Introduction

BDS Clause Number 1

ITB Number 1.1

Name of Procuring Agency: **Virtual University of Pakistan (Virtual University of Pakistan (VU))**

The subject of procurement is: **Different Items for Electronics Lab (CS) (Tender No. VU/26-27/08/897)**

Expected commencement date: **Tuesday, October 20, 2026**

BDS Clause Number 2

ITB Number 2.1

Financial year for the operations of the Procuring Agency: **2026-27**

Name and identification number of the Contract: **P99673**

BDS Clause Number 3

ITB Clause Number 3.1

JV/Consortium or Association Allowed: **No**

Number of JV/Consortium Members: **Nil**

see section of eligibility criteria.

B. Bidding Documents

BDS Clause Number 4

ITB Number 8.1

The Bidders may seek clarifications through **EPADS v2.0** : Clarification Date:
Thursday, September 10, 2026

C. Preparation of Bids

BDS Clause Number 5

ITB Number 10.1

The Language of all correspondences and documents related to the Bids shall be in: **English**

List of documents required along with the bid:

1. Tender Fee as mentioned in tender document Bid Security(ies) as per requirement Account Maintenance Certificate as mentioned in tender document Affidavit on Rs. 100 stamp paper as mentioned in tender document Copies of NTN and GST Certificates alongwith ATL status HardCopy of the submitted bid

BDS Clause Number 6

ITB Number 11.1

Items/Lots and threre related documents:

See section items and Lots

BDS Clause Number 7

ITB Number 12.1

Items / Lots Specifications:

see section of items specifications.

BDS Clause Number 8

ITB Number 15.6

The price shall be **Fixed**.

BDS Clause Number 9

ITB Number 16.1

Currency of the Bids shall be : **PKR**

BDS Clause Number 10

ITB Number 17.1

The Bids/Bid Validity period shall be: **90 Days**

BDS Clause Number 11

ITB Number 18.1

The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**

The Bid Security shall be in the form of: **Pay Order, Banker's Cheque, Call at Deposit, Bank Guarantee, Demand Draft**

D. Submission of Bids

BDS Clause Number 12

ITB Number 20.1

Bid shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;

19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory before bid submission deadline.

Bids that are not submitted on EPADS v2.0 shall be disqualified.

The deadline for Bids submission is: **Monday, September 21, 2026 02:00 PM**

E. Opening and Evaluation of Bids

BDS Clause Number 13

ITB Number 23.1

The Bids opening shall take place on **EPADS v2.0**.

Day : **Monday**

Date: **Monday, September 21, 2026**

Time : **02:30 PM**

BDS Clause Number 14

ITB Number 31.1

Selection technique adopted will be: **Least Cost Based Selection (LCBS)**
see Evaluation Criteria

F. Review of Procurement Decisions

BDS Clause Number 15

ITB Number 41.1

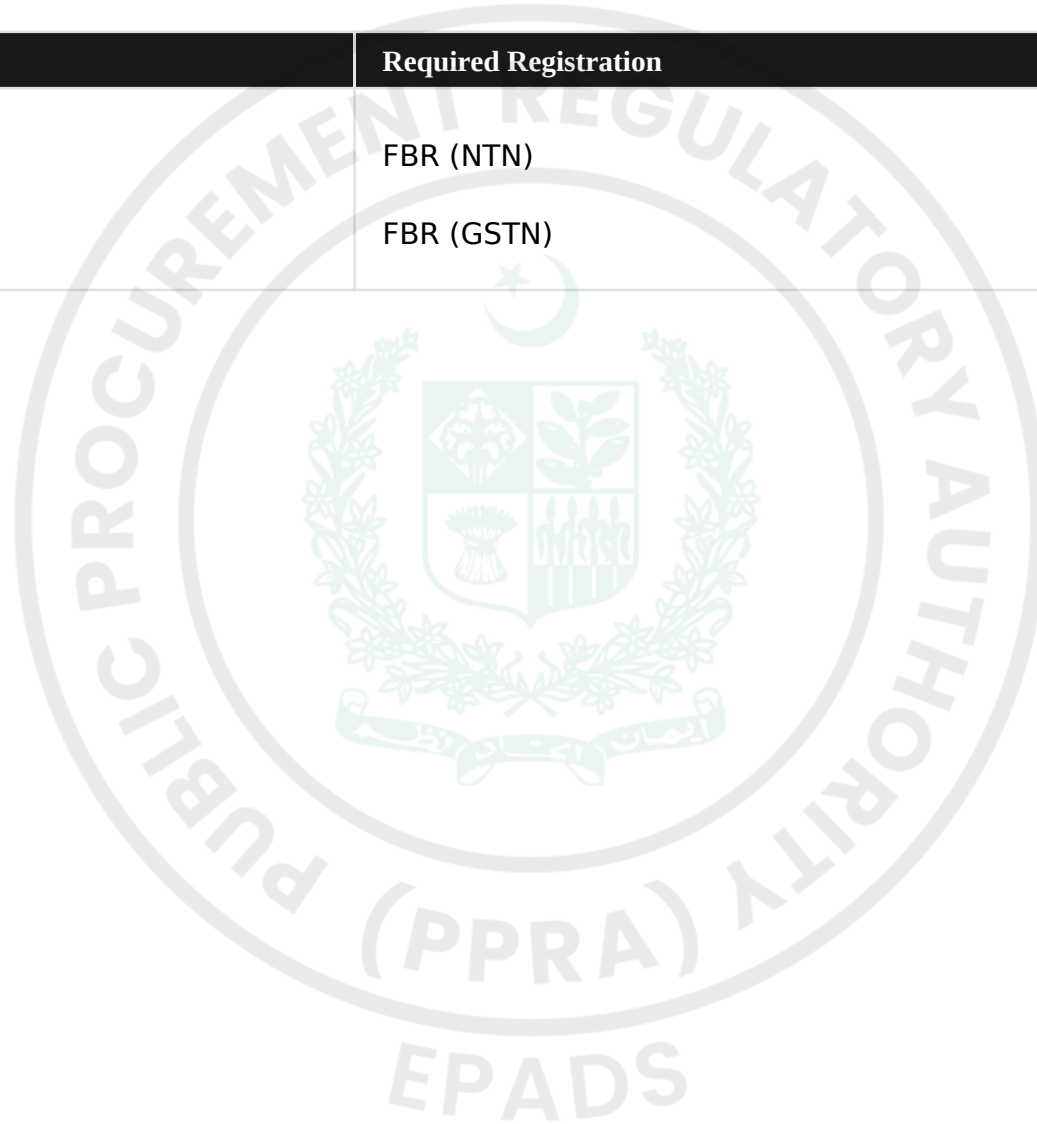
Grievence against this procurement shall be submitted online on EPADS v2.0.

Arbitrator shall be appointed by mutual consent of the both parties.



Eligibility Criteria

Bidder's Type	Required Registration
Any	FBR (NTN) FBR (GSTN)



Evaluation Criteria

Eligible bidder(s) with substantially responsive bid(s) offering **Least Cost Based Selection (LCBS)** shall be consider for the award of contract(s).

Least Cost Based Selection (LCBS)



Items/Lots

Lot Title : lot & Instrumentation Lab Equipment

Bid Security : 92800 PKR

Item	UNSPSC	Delivery Schedule	Quantity
VARIABLE DC POWER SUPPLY	Power supply	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
VARIABLE DC POWER SUPPLY	Power supply	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
FUNCTION GENERATOR	Function generator	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
DIGITAL OSCILLOSCOPE	Oscilloscopes	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 6/Qty	6 / Qty

Lot Title : Soldering Work Station Equipment

Bid Security : 9380 PKR

Item	UNSPSC	Delivery Schedule	Quantity
LCD TOUCH SCREEN SEPARATOR MACHINE HOT AIR STATION	Touch screen monitors	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 6/Qty	6 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
SOLDERING SOLDER IRON STAND HOLDER STATION MAGNIFIER	Magnifiers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 6/Qty	6 / Qty
HEAT RESISTANT ANTI-STATIC MAT	Antistatic maintenance kits	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 8/Qty	8 / Qty
ANTI-STATIC WRIST STRAP	Antistatic wrist straps	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
PCB REPAIR AND CURING KIT	Accelerometer integrated circuit	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 5/Qty	5 / Qty

Lot Title : Electronics Student Workstation Equipment

Bid Security : 19320 PKR

Item	UNSPSC	Delivery Schedule	Quantity
DIGITAL MULTIMETER	Multimeters	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
DESOLDERING PUMP VACUUM SOLDER SUCKER ANTI-STATIC	Alloy steel sucker rods	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
LOGIC PROBE	Logic state testers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
TRANSISTOR TESTER SMD TESTER	Logic state testers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
SOLDERING GUN WITH SOLDER FEEDER	Soldering iron	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
SPOT WELDER	Spot welding machine	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
NETWORK CABLE TESTER	Cable network tester	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 2/Qty	2 / Qty
PEN-TYPE DIGITAL MULTIMETER	Multimeters	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 5/Qty	5 / Qty
DIGITAL CLAMP METER	Clamp tester	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 5/Qty	5 / Qty

Lot Title : lot & Instrumentation Lab Hardware Tools

Bid Security : 14884 PKR

Item	UNSPSC	Delivery Schedule	Quantity
PROFESSIONAL TOOL SET	General tool kits	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
12 V DRILL WITH COMBO KIT	Drilling machines	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
MINI DRILL/GRINDER	Drilling machines	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
HOT GUN	Heat guns	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
GLUE HOT GUN	Glue guns	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
ELECTRIC PRECISION SCREWDRIVER	Offset screw driver	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 4/Qty	4 / Qty
2 IN 1 - VACUUM CLEANER AND ASPIRATOR BLOWER	Vacuum cleaners	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
AUTOMATIC 3 IN 1 WIRE STRIPPER	Fiber optic cable stripper	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 2/Qty	2 / Qty
WIRE STRIPPER	Fiber optic cable stripper	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 6/Qty	6 / Qty
PCB BOARD CUTTERS/PLIER	Circlip pliers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
DIGITAL VERNIER CALIPER	Micrometer calipers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 4/Qty	4 / Qty
RATCHETING SCREWDRIVER SET WITH ROTATABLE RATCHET HANDLE MAGNETIC	Offset screw driver	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
PROFESSIONAL CABLE CRIMPING KIT	Crimping pliers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
CORDLESS DRILL	Drilling machines	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 1/Qty	1 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
PCB DRILL	Drilling machines	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
MEASUREMENT INSTRUMENT	Measuring tool	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Quantity: 5/Qty	5 / Qty

Lot Title : lot & Instrumentation Lab Printer

Bid Security : 11200 PKR

Item	UNSPSC	Delivery Schedule	Quantity
COLOR PRINTER (LASER)	Laser printers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
LABELING MACHINE	Label applying machines	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty

Lot Title : lot & Instrumentation Lab 3D Printer

Bid Security : 68000 PKR

Item	UNSPSC	Delivery Schedule	Quantity
3D PRINTER	Three dimensional printing machine	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
3D PRINTER FILAMENTS	Three dimensional printing filament	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 20/Qty	20 / Qty

Lot Title : Battery Equipment

Bid Security : 4200 PKR

Item	UNSPSC	Delivery Schedule	Quantity
UNIVERSAL BATTERY CHARGER	Battery chargers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 3/Qty	3 / Qty
BATTERY TESTER	Battery testers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 4/Qty	4 / Qty
AUTOMOTIVE / LEAD-ACID BATTERY TESTER	Battery testers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 4/Qty	4 / Qty

Lot Title : IoT Boards Equipment

Bid Security : 40040 PKR

Item	UNSPSC	Delivery Schedule	Quantity
MICROCONTROLLER BOARD	Microcontrollers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 20/Qty	20 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
SINGLE BOARD COMPUTER	Minicomputer	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
ESP32 WI-FI & BLUETOOTH MODULE	Bluetooth universal serial bus USB adapter	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
RFID / NFC DEVELOPMENT MODULE	Radio frequency identification RFID tag printer	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
SOLDER PASTE SYRINGE	Solder paste	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 50/Qty	50 / Qty
PCB FABRICATION	Bare flexible printed circuit board	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
HMI DISPLAYS	Computer display glare screens	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 5/Qty	5 / Qty
DISPLAY MODULES	Computer display glare screens	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
DISPLAY MODULES	Computer display glare screens	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
SENSORS	Current sensors	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
PCB FABRICATION	Thermal paper	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 500/Qty	500 / Qty
MICROCONTROLLERS / IOT	Microcontrollers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
MICROCONTROLLERS / IOT	Microcontrollers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
MICROCONTROLLERS / IOT	Microcontrollers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
MICROCONTROLLERS / IOT	Microcontrollers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty

Item	UNSPSC	Delivery Schedule	Quantity
WIRELESS MODULES	WLAN wireless access network equipment and components	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty
MICROCONTROLLERS / IOT	Microcontrollers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 10/Qty	10 / Qty

Lot Title : Digital Soldering / Imaging Equipment

Bid Security : 12800 PKR

Item	UNSPSC	Delivery Schedule	Quantity
SOLDERING STAND WITH DIGITAL MICROSCOPIC CAMERA	Welding or soldering kit	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty
THERMAL IMAGING CAMERA	Thermal imager	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 1/Qty	1 / Qty

Lot Title : DLD Lab Trainer Board and CNC Cutting & Engraving Equipment

Bid Security : 24000 PKR

Item	UNSPSC	Delivery Schedule	Quantity
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DIGITAL LOGIC TRAINER BOARD	Electronics kits	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty
DESKTOP CNC ROUTER (CNC CUTTING & ENGRAVING)	Power routers	Address: 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory Schedule: 60 Days Quantity: 2/Qty	2 / Qty



Related Services of Goods:

No



Items/Lot Specification

Lot Title : lot & Instrumentation Lab Equipment

Item: VARIABLE DC POWER SUPPLY

UNSPSC: Power supply

Specifications / Requirements:

VARIABLE DC POWER SUPPLY UNI-T (UDP3305S) or Equivalent 315W Programmable linear DC power supply 5A 30V 3 CH variable DC power supply

Item: VARIABLE DC POWER SUPPLY

UNSPSC: Power supply

Specifications / Requirements:

VARIABLE DC POWER SUPPLY UNI-T (UTP3315TFL-II) or Equivalent Output voltage range of 0-30V, output current range of 0-5A, 150W output power, load regulation of $CV \leq 0.01\% + 5mV$ and $CC \leq 0.1\% + 10mA$, accuracy at $25^{\circ}C \pm 5^{\circ}C$ of $< 0.5\% + 20mV$ for voltage and $< 0.5\% + 10mA$ for current, and ripple and noise $\leq 2mV_{rms}$.

Item: FUNCTION GENERATOR

UNSPSC: Function generator

Specifications / Requirements:

FUNCTION GENERATOR UNI-T (UTG962E) or Equivalent Output Waveforms: Sine, square, pulse, ramp, noise, DC, arbitrary, Output frequency range: 1uHz-30MHz/60MHz multi-channel

Item: DIGITAL OSCILLOSCOPE

UNSPSC: Oscilloscopes

Specifications / Requirements:

DIGITAL OSCILLOSCOPE UNI-T (UTD2202CEX) or HANTEK or Equivalent USB Dual Channel 200Mhz 1G Sampling Rate High Voltage Probe PC LCD Portable Oscilloscope

Lot Title : Soldering Work Station Equipment

Item: LCD TOUCH SCREEN SEPARATOR MACHINE HOT AIR STATION

UNSPSC: Touch screen monitors

Specifications / Requirements:

LCD TOUCH SCREEN SEPARATOR MACHINE HOT AIR STATION KADA (KADA 9803D+) or Equivalent 3-in-1 Rework Station with LCD Touch Screen Separator, Hot Air Station, and Soldering Iron Station. LCD display Input voltage: AC220V / 110V/+/-10% 50HZ / 60HZ, Temperature range: hot air gun 100-480 degrees Celsius, soldering station 200-480 degrees Celsius

Item: SOLDERING SOLDER IRON STAND HOLDER STATION MAGNIFIER

UNSPSC: Magnifiers

Specifications / Requirements:

SOLDERING SOLDER IRON STAND HOLDER STATION MAGNIFIER Any brand with the mentioned specifications TE-803,.5x/4x/16x USB Auxiliary Clip Welding Magnifying Glass 16 LED Hand Soldering Solder Iron Stand Holder Station Magnifier by Electrical

Item: HEAT RESISTANT ANTI-STATIC MAT

UNSPSC: Antistatic maintenance kits

Specifications / Requirements:

HEAT RESISTANT ANTI-STATIC MAT HPFIX (HPESD15) or Equivalent Required for workbench top. Must be capable to withstand high temperatures and dissipate static electricity.

Item: ANTI-STATIC WRIST STRAP

UNSPSC: Antistatic wrist straps

Specifications / Requirements:

ANTI-STATIC WRIST STRAP Pro'sKit AS-611 or Equivalent Material: Elastic band with conductive threads, Resistance: 1M Ohm resistor built-in for safety, Grounding cord length: Coiled cord, Alligator clip for secure grounding.

Item: PCB REPAIR AND CURING KIT

UNSPSC: Accelerometer integrated circuit

Specifications / Requirements:

PCB REPAIR AND CURING KIT MECHANIC UV Curing Light and Solder Mask Syringes or Equivalent Lamp Power: 5V USB powered UV LED, Wavelength: 395nm, Solder Mask: Green/Black/Red syringe (10cc), Curing time: <3 minutes under UV light, prevents arcing and corrosion.

Lot Title : Electronics Student Workstation Equipment

Item: DIGITAL MULTIMETER

UNSPSC: Multimeters

Specifications / Requirements:

DIGITAL MULTIMETER UNI-T (UNI-T UT601) or Equivalent Must be equipped with functions like Auto range, MAX/MIN/REL mode, Auto power off, LCD backlight, Analog bar graph, NCV, Low battery indication, EF (Electric Field) detection, Transistor measurement, Diode/continuity buzzer, Data hold, Input protection.

Item: DESOLDERING PUMP VACUUM SOLDER SUCKER ANTI-STATIC

UNSPSC: Alloy steel sucker rods

Specifications / Requirements:

DESOLDERING PUMP VACUUM SOLDER SUCKER ANTI-STATIC Any brand with the mentioned specifications Metal Body, Anti-Static, Self-Cleaning Shaft

Item: LOGIC PROBE

UNSPSC: Logic state testers

Specifications / Requirements:

LOGIC PROBE LP-3500 or Equivalent The LP-3500 is a precision handheld digital logic probe designed for troubleshooting, inspecting, and testing digital circuits. It requires no internal battery and is fully compatible with TTL, DTL, and CMOS integrated circuits. The probe features color-coded LED visual indicators and dual audible tones, allowing users to easily determine logic high, logic low, and pulsing signals during circuit diagnostics.

Item: TRANSISTOR TESTER SMD TESTER

UNSPSC: Logic state testers

Specifications / Requirements:

TRANSISTOR TESTER SMD TESTER UNI-T (UT116A) or Equivalent 36V DC voltage measurement. Resistance, capacitance, continuity, diode measurement

Item: SOLDERING GUN WITH SOLDER FEEDER

UNSPSC: Soldering iron

Specifications / Requirements:

SOLDERING GUN WITH SOLDER FEEDER INGCO (SI016732) or Equivalent Integrated automatic solder wire feeder, adjustable temperature control

Item: SPOT WELDER

UNSPSC: Spot welding machine

Specifications / Requirements:

SPOT WELDER SUNKKO (709A) or Equivalent Soldering iron part, Temperature: 150°C ~ 450°C, Power: 50 W, Output Voltage: 20 V DC, Spot-welder part, Supply Voltage: AC 220 V ± 20 V/110 V, Power: 3.2 KW (Instantaneous), Current: 500 A, Electric leakage Switch Requirement: 60 A or more, Time of Double Pulse: 1 ~ 10 ms (adjustable), Time of Four Pulses: 2 ~ 20 ms (adjustable), Time of Eight Pulses: 8 ~ 80 ms (adjustable), Welding Pin Range: 5 - 6 mm, Welding Pressure: 300 - 500 g, Welding Distance: Adjustable.

Item: NETWORK CABLE TESTER

UNSPSC: Cable network tester

Specifications / Requirements:

NETWORK CABLE TESTER UNI-T UT681C, NOYAFA NF-8209, or Equivalent Supported Cables: RJ45 (Ethernet), RJ11 (Telephone), Features: Wire mapping, PoE testing, length measurement, fault location (open, short, cross), Display: LCD.

Item: PEN-TYPE DIGITAL MULTIMETER

UNSPSC: Multimeters

Specifications / Requirements:

PEN-TYPE DIGITAL MULTIMETER UNI-T UT118C Pen-Type Meter or Equivalent Display: 3000/6000 count EBTN LCD, AC/DC Voltage Range: up to 600V, Resistance/Capacitance measuring, Features: NCV (Non-Contact Voltage), Phase sequence test, Gold-plated test leads, Auto power off.

Item: DIGITAL CLAMP METER

UNSPSC: Clamp tester

Specifications / Requirements:

DIGITAL CLAMP METER UNI-T (UT203+) or Equivalent The UNI-T UT203 is a compact 400A AC/DC digital clamp multimeter featuring a 28mm jaw and auto-ranging capabilities. It measures AC/DC current up to 400A, voltage up to 600V, resistance to 40MΩ, and frequency up to 1MHz. Built for safety and convenience, it includes a 3999-count display, data hold, relative zeroing mode, and continuity testing.

Lot Title : lot & Instrumentation Lab Hardware Tools

Item: PROFESSIONAL TOOL SET

UNSPSC: General tool kits

Specifications / Requirements:

PROFESSIONAL TOOL SET INGCO (HKTHP21171) or Equivalent 117 Pcs Tools set. Must contain all necessary tools including hammer, 3 pliers, cutter, saw

Item: 12 V DRILL WITH COMBO KIT

UNSPSC: Drilling machines

Specifications / Requirements:

12 V DRILL WITH COMBO KIT INGCO (CKLI1201) or Equivalent For screwdriving and drilling. With adjustable torque setting and hammer feature. Lithium-Ion Cordless 2-Pc. Combo Kit

Item: MINI DRILL/GRINDER

UNSPSC: Drilling machines

Specifications / Requirements:

MINI DRILL/GRINDER INGCO (MG13328) or Equivalent 130W, Variable Speed +109 Pcs Accessories

Item: HOT GUN

UNSPSC: Heat guns

Specifications / Requirements:

HOT GUN INGCO (HG200078) or Equivalent Variable speed and temperature (120°C-500°C), LCD display.

Item: GLUE HOT GUN

UNSPSC: Glue guns

Specifications / Requirements:

GLUE HOT GUN INGCO (GG308) or Equivalent Voltage:220-240V~50/60Hz Input power:30W(220W) Gluing capacity:20-30g/min Glue stick diameter:11.2mm

Item: ELECTRIC PRECISION SCREWDRIVER

UNSPSC: Offset screw driver

Specifications / Requirements:

ELECTRIC PRECISION SCREWDRIVER Mi or Equivalent Two-speed adjustable torque / magnetic absorption nano-bits, S2 steel precision bits

Item: 2 IN 1 - VACUUM CLEANER AND ASPIRATOR BLOWER

UNSPSC: Vacuum cleaners

Specifications / Requirements:

2 IN 1 - VACUUM CLEANER AND ASPIRATOR BLOWER INGCO, Total or Equivalent 800w, Variable speed with different nozzles for easy blowing and vacuuming

Item: AUTOMATIC 3 IN 1 WIRE STRIPPER

UNSPSC: Fiber optic cable stripper

Specifications / Requirements:

AUTOMATIC 3 IN 1 WIRE STRIPPER INGCO (HWSP102418) or Equivalent Adjustable wire gauge, durable sharp blades for stripping, cutting, and crimping

Item: WIRE STRIPPER

UNSPSC: Fiber optic cable stripper

Specifications / Requirements:

WIRE STRIPPER INGO (HWSP851) or Equivalent

Item: PCB BOARD CUTTERS/PLIER

UNSPSC: Circlip pliers

Specifications / Requirements:

PCB BOARD CUTTERS/PLIER Plato 170 or YTH 037 or Equivalent to cut PCB sheets, Vero Boards

Item: DIGITAL VERNIER CALIPER

UNSPSC: Micrometer calipers

Specifications / Requirements:

DIGITAL VERNIER CALIPER Shahe Electronic or Equivalent Metal 6-Inch 150mm, Measuring range: 0 – 150 mm / 0 – 6-inch, Resolution: 0.01 mm / 0.0005 inch.

Item: RATCHETING SCREWDRIVER SET WITH ROTATABLE RATCHET HANDLE MAGNETIC

UNSPSC: Offset screw driver

Specifications / Requirements:

RATCHETING SCREWDRIVER SET WITH ROTATABLE RATCHET HANDLE MAGNETIC INGO or any other The INGO AKISD1208 is a 13-in-1 ratcheting screwdriver featuring an adjustable-angle handle, a 3-position magnetic ratchet, and built-in storage for its 12 included bits.

Item: PROFESSIONAL CABLE CRIMPING KIT

UNSPSC: Crimping pliers

Specifications / Requirements:

PROFESSIONAL CABLE CRIMPING KIT Crimping Kits for JST, Dupont, and Ferrules or Equivalent Compatibility: JST, Dupont (2.54mm), and Ferrules, Mechanism: Ratcheting action for consistent crimps, Material: High-carbon steel jaws, Accessories: Assorted connector box and wire stripper included.

Item: CORDLESS DRILL

UNSPSC: Drilling machines

Specifications / Requirements:

CORDLESS DRILL Ingco Compact Brushless Cordless Drill 20v CDLI20668 or Equivalent Brushless motor, Voltage: 20V, No-load speed: 0-500/0-2000rpm, Max torque: 66Nm, Metal chuck capacity: 13mm, Torque settings: 22+1, Mechanical 2-speed gear, Spindle lock function, Integrated LED work light. Includes 47 Pcs accessories, 2x 2.0Ah battery packs (FBLI20011), and 1x charger (FCLI2001).

Item: PCB DRILL

UNSPSC: Drilling machines

Specifications / Requirements:

PCB DRILL Mini Electric Drill Machine PCB Drill Grinder Set with Adapter PCB Electric Drill Grinder Machine Kit

Item: MEASUREMENT INSTRUMENT

UNSPSC: Measuring tool

Specifications / Requirements:

MEASUREMENT INSTRUMENT Digital Water PH Tester, 0-14 Measuring Value, 0.01 High Accuracy PH Meter Pen-style handheld pH meter. 0.00-14.00 pH measurement range. ATC (Auto Temperature Compensation) with LCD display.

Lot Title : lot & Instrumentation Lab Printer

Item: COLOR PRINTER (LASER)

UNSPSC: Laser printers

Specifications / Requirements:

COLOR PRINTER (LASER) HP, EPSON or equivalent Colour LaserJet. 3 in 1 Wireless Printing & Scanning

Item: LABELING MACHINE

UNSPSC: Label applying machines

Specifications / Requirements:

LABELING MACHINE Casio (KL-820) or Equivalent Labeling width up to 12mm. Thermal transfer printing technology. 15-character, 1-line LCD display. 180 dpi resolution. Compatible with TZe tapes (up to 12mm in width). Built-in cutter for accurate label cutting.

Lot Title : lot & Instrumentation Lab 3D Printer

Item: 3D PRINTER

UNSPSC: Three dimensional printing machine

Specifications / Requirements:

3D PRINTER Creality K2 Pro Combo 3D Printer or Equivalent Printing Technology: FDM, Build Volume: 350 × 350 × 350 mm, Max Printing Speed: ≤ 600 mm/s, Max Acceleration: 30,000 mm/s², Extruder: All-metal direct drive with active extrusion control Nozzle Temperature: ≤ 350°C, Build Surface: PEI flexible build plate, Leveling Mode: Hands-free auto leveling with automatic belt tensioning, Supported Filaments: Multi-color printing (up to 16 colours) via CFS; includes PLA-CF, ABS, PLA, PETG, TPU, ASA, PA-CF, PET-CF, and high-performance engineering filaments, Camera System: 1080p chamber camera plus toolhead AI camera for precision inspection

Item: 3D PRINTER FILAMENTS

UNSPSC: Three dimensional printing filament

Specifications / Requirements:

3D PRINTER FILAMENTS PLA-CF, PETG, PA-CF, TPU Category A: Multi-Color/General Purpose (CFS Compatible) • Materials: PLA-CF (Carbon Fiber) and PETG. • Quantity: For each material type, a total of five (5) rolls shall be supplied, with each roll weighing 1 kg. The five rolls shall consist of one roll each in Black, Blue, Red, Gray, and White, resulting in a total of 10 filament rolls (1 kg each) across these two material types. Category B: High-Performance Engineering (Direct Feed) • Materials: PA-CF (Nylon Carbon Fiber) and TPU. • Quantity: For each material type, a total of five (5) rolls shall be supplied, with each roll weighing 1 kg. The five rolls shall consist of one roll each in Black, Blue, Red, Gray, and White, resulting in a total of 10 filament rolls (1 kg each) across these two material types. Total Procurement: 20 filament rolls (1 kg each) across four material types.

Lot Title : Battery Equipment

Item: UNIVERSAL BATTERY CHARGER

UNSPSC: Battery chargers

Specifications / Requirements:

UNIVERSAL BATTERY CHARGER LiitoKala (Lii-S12) or Equivalent Should be capable of charging most types of batteries. e.g., D Battery, C Battery, AA Battery, AAA Battery, 9V Battery, Button cell, 21700Li-ion, 18650Li-ion, 16340Li-ion

Item: BATTERY TESTER

UNSPSC: Battery testers

Specifications / Requirements:

BATTERY TESTER ANENG (168Max) or Equivalent Should be capable of assessing all types of batteries e.g. D Battery, C Battery, AA Battery, AAA Battery, 9V Battery, Button cell, 21700Li-ion, 18650Li-ion, 16340Li-ion

Item: AUTOMOTIVE / LEAD-ACID BATTERY TESTER

UNSPSC: Battery testers

Specifications / Requirements:

AUTOMOTIVE / LEAD-ACID BATTERY TESTER UNI-T UT673A Battery Tester or Equivalent Supported Batteries: 12V cranking lead-acid batteries, Capacity Range: 30-200 Ah, Test Standards: CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, Features: Battery health test, cranking test, charging system test.

Lot Title : IoT Boards Equipment

Item: MICROCONTROLLER BOARD

UNSPSC: Microcontrollers

Specifications / Requirements:

MICROCONTROLLER BOARD Arduino UNO R3 or Equivalent Microcontroller: ATmega328P, Operating Voltage: 5V, Input Voltage: 7-12V, Digital I/O Pins: 14 (6 provide PWM output), Analog Input Pins: 6, Flash Memory: 32KB, Clockspeed: 16MHz

Item: SINGLE BOARD COMPUTER

UNSPSC: Minicomputer

Specifications / Requirements:

SINGLE BOARD COMPUTER Raspberry Pi 5 or Equivalent Processor: Broadcom BCM2712 2.4GHz quad-core 64-bit Arm Cortex-A76 CPU, RAM: 4GB/8GB LPDDR4X, Connectivity: Dual-band 802.11ac Wi-Fi, Bluetooth 5.0, Gigabit Ethernet, Ports: 2x USB 3.0, 2x USB 2.0, 2x micro-HDMI.

Item: ESP32 WI-FI & BLUETOOTH MODULE

UNSPSC: Bluetooth universal serial bus USB adapter

Specifications / Requirements:

ESP32 WI-FI & BLUETOOTH MODULE Espressif ESP32-WROOM-32D or Equivalent Chip: ESP32-D0WD, Flash: 4MB/8MB/16MB, Wi-Fi: 802.11 b/g/n, Bluetooth: v4.2 BR/EDR and BLE, Interfaces: UART, SPI, SDIO, I2C, LED PWM, Motor PWM, I2S, IR, GPIO, capacitive touch sensor, ADC, DAC.

Item: RFID / NFC DEVELOPMENT MODULE

UNSPSC: Radio frequency identification RFID tag printer

Specifications / Requirements:

RFID / NFC DEVELOPMENT MODULE NXP PN532 or MFRC522 Modules or Equivalent Operating Frequency: 13.56 MHz, Supported Protocols: ISO/IEC 14443A/MIFARE, Interface: SPI, I2C, and UART (PN532), Operating Voltage: 3.3V (MFRC522) to 5V (PN532).

Item: SOLDER PASTE SYRINGE

UNSPSC: Solder paste

Specifications / Requirements:

SOLDER PASTE SYRINGE sn63pb37 Solder Paste or Mechanic Solder Paste in Syringe or Equivalent Alloy: 63% Tin (Sn) / 37% Lead (Pb), Melting Point: 183°C (Eutectic), Flux Type: Rosin Mildly Activated (RMA) or No-Clean, Micron Size: Type 3 or Type 4 (20-45 microns), Packaging: Syringe.

Item: PCB FABRICATION

UNSPSC: Bare flexible printed circuit board

Specifications / Requirements:

PCB FABRICATION Silver Conductive Ink Pen Conductive silver-based ink pen for drawing or repairing traces on PCBs and flexible circuits. Rapid drying at room temperature.

Item: HMI DISPLAYS

UNSPSC: Computer display glare screens

Specifications / Requirements:

HMI DISPLAYS 7 Inch 800*480 TJC Capacitive Touch HMI Serial Interface Display For Arduino and Raspberry Pi Nextion/TJC compatible intelligent serial display. 800x480 resolution with capacitive touch interface. Connects via UART.

Item: DISPLAY MODULES

UNSPSC: Computer display glare screens

Specifications / Requirements:

DISPLAY MODULES 0.96 Inch 128x64 IIC I2C OLED Blue Display Module For Arduino Monochrome (Blue) OLED display. 128x64 pixels. I2C serial interface. Operating voltage 3.3V to

Item: DISPLAY MODULES

UNSPSC: Computer display glare screens

Specifications / Requirements:

DISPLAY MODULES Raspberry Pi 3.2 inch Touch Screen TFT LCD Display 320x240 Resistive touch TFT screen designed for Raspberry Pi GPIO pins. 320x240 resolution. SPI interface.

Item: SENSORS

UNSPSC: Current sensors

Specifications / Requirements:

SENSORS 37 in 1 Sensor Kit Sensors Module Board Set For Arduino Comprehensive assortment of 37 standard digital and analog sensor modules (e.g., sound, light, temperature, motion, relays) for microcontroller prototyping.

Item: PCB FABRICATION

UNSPSC: Thermal paper

Specifications / Requirements:

PCB FABRICATION A4 Size PCB Thermal Transfer Paper for Project PCB Making Toner transfer paper sheets sized A4. Specially coated to cleanly release laser-printed toner onto copper clad boards via heat pressing.

Item: MICROCONTROLLERS / IOT

UNSPSC: Microcontrollers

Specifications / Requirements:

MICROCONTROLLERS / IOT ESP32-CAM WiFi Bluetooth Camera Module Development Board ESP32 with Camera Module OV2640 2MP or Equivalent Ultra-small 802.11b/g/n Wi-Fi + BT/BLE SoC module. Includes OV2640 2 Megapixel camera module and built-in TF card slot.

Item: MICROCONTROLLERS / IOT

UNSPSC: Microcontrollers

Specifications / Requirements:

MICROCONTROLLERS / IOT ESP32 / ESP32-C3 WiFi+Bluetooth 5.0 Internet Of Things Dual Type-C Development Board Core Board ESP32-C3-DevKitM-1 For Arduino or Equivalent RISC-V single-core 32-bit MCU module. Supports Wi-Fi 4 and Bluetooth 5 (LE). Includes Type-C USB interface for flashing and power.

Item: MICROCONTROLLERS / IOT

UNSPSC: Microcontrollers

Specifications / Requirements:

MICROCONTROLLERS / IOT ESP32 S3 N16R8 Development Board WiFi + Bluetooth MCU Module or Equivalent Xtensa dual-core 32-bit LX7 microprocessor. Integrates 2.4 GHz Wi-Fi and Bluetooth LE. 16MB Flash and 8MB PSRAM configurations.

Item: MICROCONTROLLERS / IOT

UNSPSC: Microcontrollers

Specifications / Requirements:

MICROCONTROLLERS / IOT ESP32 WROOM-32 38-pins Wifi+Bluetooth MCU Module or Equivalent Standard ESP32-D0WDQ6 chip. Dual-core Xtensa 32-bit LX6 microprocessor. 4MB Flash, integrated Wi-Fi 802.11 b/g/n and Bluetooth v4.2 BR/EDR and BLE. 38-pin layout.

Item: WIRELESS MODULES

UNSPSC: WLAN wireless access network equipment and components

Specifications / Requirements:

WIRELESS MODULES HC-06 Bluetooth Module for Arduino or Equivalent Serial port Bluetooth 2.0 module. Configured as slave default. TTL serial interface for simple wireless microcontroller communication.

Item: MICROCONTROLLERS / IOT

UNSPSC: Microcontrollers

Specifications / Requirements:

MICROCONTROLLERS / IOT ESP32-S3 CAM Development Board with OV3660 Camera IOT Based Cam Module or Equivalent Advanced ESP32-S3 chip (Xtensa dual-core 32-bit LX7) designed for AI/ML tasks. Includes 3-Megapixel OV3660 camera and PSRAM for high-performance computer vision projects.

Lot Title : Digital Soldering / Imaging Equipment

Item: SOLDERING STAND WITH DIGITAL MICROSCOPIC CAMERA

UNSPSC: Welding or soldering kit

Specifications / Requirements:

SOLDERING STAND WITH DIGITAL MICROSCOPIC CAMERA Andonstar (AD249S-M Plus 10.1') or Equivalent 10.1-inch HD screen, adjustable magnification, HDMI output, and integrated

LED lighting for precision visual inspection.

Item: THERMAL IMAGING CAMERA

UNSPSC: Thermal imager

Specifications / Requirements:

THERMAL IMAGING CAMERA UNI-T UT1260B, Flir TG165-X, or Equivalent IR Resolution: 256x192 pixels (or comparable), Temperature Range: -20°C to 400°C, Thermal Sensitivity: <50mK, Display: LCD screen, PC Software analysis support, Image Capture: SD card storage.

Lot Title : DLD Lab Trainer Board and CNC Cutting & Engraving Equipment

Item: DIGITAL LOGIC TRAINER BOARD

UNSPSC: Electronics kits

Specifications / Requirements:

DIGITAL LOGIC TRAINER BOARD K&H MFG CIC-500 Digital Logic Lab or Equivalent Power Supply: Fixed DC +5V, Variable DC 0 to +15V and 0 to -15V, Clock Generator: 1Hz to 1MHz, Switches: 8 data switches, 2 pulser switches Displays: 8 LED indicators, 2 seven-segment displays, Breadboard: Tie points for custom circuits.

Item: DESKTOP CNC ROUTER (CNC CUTTING & ENGRAVING)

UNSPSC: Power routers

Specifications / Requirements:

DESKTOP CNC ROUTER (CNC CUTTING & ENGRAVING) TwoTrees TTC 3018S CNC Cutting Engraving Machine DIY Kit or Equivalent Working Area: 300 x 180 x 45 mm, Spindle: 775 Spindle Motor (10,000 RPM), Control System: GRBL (Compatible with Candle and standard G-Code senders), Material Compatibility: PCB (FR4), Wood, Acrylic, PVC, Soft Plastics, Soft

Aluminum (with low feed rates), Frame Construction: Aluminum profile with durable resin/bakelite components, Supported Software: Easel, Fusion360, Vectric, and standard CAM software



Price Schedule

For Individual Items

#	Item Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		





General Conditions of Contract

A. General

1. Definitions

1.1 Unless the context otherwise requires, the following terms whenever used in this Contract shall have the same meaning and shall be interpreted as indicated

- a. "Applicable Law" means the laws and any other instruments having the force of law in the Government's Country, or in such other country as may be specified in the Special Conditions of the Contract (SC), as they may be issued and in force from time to time;
- b. "Procuring Agency" means:-
 - a. any Ministry, Division, Department or any Office of the Government;
 - b. any authority, corporation, body or organization established by or under a Law or which is owned or controlled by the Government;
- c. "The Contract" means an agreement enforceable by law;
- d. "The Contract Price" means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations;
- e. "Ancillary Services" means those services ancillary to the provision of Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Bidder covered under the Contract;
- f. "GCC" means the General Conditions of Contract contained in this section;
- g. "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented;
- h. "Day" means calendar day unless indicated otherwise.
- i. "Effective Date" means the date on which this Contract comes into force and effect.
- j. "The Bidder" means the individual or corporate body whose Bids to provide the Goods has been accepted by the Procuring Agency;
- k. "The Project Site," where applicable, means the place or places named in Bids Data Sheet and technical Specifications;
- l. "Government" means the Government of Pakistan;
- m. "Subcontractor" means any entity to which the Bidder subcontracts any part of the Goods.
- n. "Service" means any object of procurement other than goods or works;
- o. "Party" means the Procuring Agency or the Bidder, as the case may be, and "Parties" means both of them;
- p. "Foreign Currency" means any currency other than the currency of the country of the Procuring Agency;

q. "Completion Date" means the date of completion of the contract by the Bidder as certified by the Procuring Agency;

r. "In Writing" means communicated in written form with proof of receipt;

s. "Local Currency" means the currency of Pakistan;

2. Application and Interpretation

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

2.2 In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.

3. Applicable Law

3.1 The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

4. Governing Language

4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Bidder and the Procuring Agency, shall be written in the **English language** unless otherwise stated in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5. Notices

5.1 Any notice, request, or consent made pursuant to this Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram, or facsimile to such Party at the address specified in the SCC.

6. Delivery/Location

6.1 The Goods shall be delivered to such locations as the Procuring Agency may approve and as specified in SCC.

7. Authorized Representatives / Authority of Member in charge

7.1 Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Agency or the Bidder may be taken or executed by the officials specified in the SCC.

B. Commencement, Completion, Modification, and Termination of Contract

8. Effectiveness of Contract

8.1 This Contract shall come into effect on the date the Contract is signed by both parties and such other later date as may be stated in the SCC.

9. Commencement of Services

9.1 The Bidder shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

10. Program

10.1 Before commencement of the Services, the Bidder shall submit to the Procuring Agency for approval a Program showing the general methods, arrangements, order and timing for all activities. The Services shall be carried out in accordance with the approved Program as updated.

11. Starting Date/Expiration Date

11.1 The Bidder shall start carrying out the Services Five (05) days after the date the Contract becomes effective, or at such other date as may be specified in the SCC.

11.2 Unless terminated earlier pursuant to Clause **GCC 15** hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

12. Entire Agreement

12.1 This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

13. Modification

13.1 Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any Bids for modification or variation made by the other Party.

13.2 In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

14. Force Majeure

14.1 Definition

For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party and which makes a Party’s performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances.

14.2 No Breach of Contract

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event.

14.3 Extension of Time

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result

of Force Majeure.

14.4 Payments

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Bidder shall be entitled to continue to be paid under the terms of this Contract, as well as to be reimbursed for additional costs reasonably and necessarily incurred by them during such period for the purposes of the Services and in reactivating the Service after the end of such period.

15. Termination

15.1 By the Procuring Agency

The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (e) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) calendar days' written notice of termination to the Bidder in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e);

- a. If the Bidder fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension;
- b. If the Bidder becomes (or, if the Bidder consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;
- c. If the Bidder fails to comply with any final decision reached as a result of arbitration proceedings;
- d. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;
- e. If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;

15.2 By the Bidder

The Bidder may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

- a. If the Procuring Agency fails to pay any money due to the Bidder pursuant to this Contract and not subject to dispute within forty-five (45) calendar days after receiving written notice from the Bidder that such payment is overdue.
- b. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.
- c. If the Procuring Agency fails to comply with any final decision reached as a result of arbitration.
- d. If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Bidder may have subsequently approved in writing) following the receipt by the Procuring Agency of the Bidder's notice specifying such breach.

C. Obligations of the Bidder

16. General

16.1 Standard of Performance

1. The Bidder shall deliver the product and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Bidder shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

16.2 Law Applicable to Goods

The Bidder shall deliver the goods in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-Bidders, comply with the Applicable Law.

17. Conflict of Interests

17.1 Bidder Not to Benefit from Commissions and Discounts.

The remuneration of the Bidder shall constitute the Bidder's sole remuneration in connection with this Contract or the Services, and the Bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Bidder shall use their best efforts to ensure that the Personnel, any Subcontractors, and agents of either of them similarly shall not receive any such additional remuneration.

17.2 Bidder and Affiliates Not to be Otherwise Interested in Project

The Bidder agree that, during the term of this Contract and after its termination, the Bidder and its affiliates, as well as any Subcontractor and any of its affiliates, shall be disqualified from providing Goods for any project resulting from or closely related to the Services.

17.3 Prohibition of Conflicting Activities

Neither the Bidder nor its Subcontractors nor the Personnel shall engage, either directly or indirectly, in any of the following activities:

- a. during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract;
- b. during the term of this Contract, neither the Bidder nor their Subcontractors shall hire public employees in active duty or on any type of leave, to perform any activity under this Contract;

18. Confidentiality

18.1 Except with the prior written consent of the Procuring Agency, the Bidder and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the contract.

19. Insurance to be Taken Out by the Bidder

19.1 The Bidder(a) shall take out and maintain, and shall cause any Subcontractors to take out and maintain, at its (or the Subcontractors', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, loss or damage, and for the coverage, as shall be specified in the SCC; and (b) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums have been paid.

20. Bidder's Actions Requiring Procuring Agency's Prior Approval

20.1 The Bidder shall obtain the Procuring Agency's prior approval in writing before taking any of the following actions:

- (a) appointing such members of the Personnel not provided by the Bidder;
- (b) changing the Program of activities; and
- (c) any other action that may be specified in the SCC.

21. Reporting Obligations

21.1 The Bidder shall submit to the Procuring Agency the reports and documents in the numbers, and within the periods as prescribed by the Procuring Agency.

22. Liquidated Damages

22.1 If the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring Agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the performance security (or guarantee) specified in SCC. Once the said maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to **GCC Clause 15**.

22.2 Correction for Over-payment

If the Intended Completion Date is extended after liquidated damages have been paid, the Procuring Agency shall correct any overpayment of liquidated damages by the Bidder by adjusting the next payment certificate. The Bidder shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in SCC.

22.3 Lack of performance penalty

If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, a penalty for Lack of performance will be paid by the Bidder. The amount to be paid will be calculated as a percentage of the cost of having the Defect corrected, assessed as specified in the SCC.

23. Performance Guarantee

23.1 Within Seven (07) days from the issuance of acceptance letter from the Procuring Agency, the successful Bidder shall furnish the Performance Guarantee in shape of ----- at the discretion of the PA in the amount **specified in SCC**. In case the amount of Bids security is equal or greater than

23.2 The proceeds of the Performance Guarantee shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

23.3 The Performance Guarantee shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Procuring agency and shall be in the acceptable form as specified in SCC.

23.4 The Performance Guarantee will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.

24. Fraud and Corruption

24.1 The Procuring Agency requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the Bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

25. Sustainable Procurement

25.1 The Bidder shall conform to the sustainable procurement contractual provisions, if and as specified in the SCC.

D. Bidder's Personnel

26. Description of Personnel

26.1 The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Bidder's Key Personnel. The Key Personnel listed by title as well as by name are hereby approved by the Procuring Agency.

27. Removal and/or Replacement of Personnel

27.1 Except as the Procuring Agency may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Bidder, it becomes necessary to replace any of the Key Personnel, the Bidder shall provide as a replacement a person of equivalent or better qualifications.

27.2 If the Procuring Agency finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Bidder shall, at the Procuring Agency's written request specifying the grounds thereof, provide as a replacement a person with qualifications and experience acceptable to the Procuring Agency.

27.3 The Bidder shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

E. Obligations of the Procuring Agency

28. Assistance and Exemptions

28.1 The Procuring Agency shall use its best efforts to ensure that the Government shall provide the Bidder such assistance and exemptions as specified in the SCC.

29. Change in the Applicable Law

29.1 If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost of the related Services rendered by the Bidder, then the remuneration and reimbursable expenses otherwise payable to the Bidder under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred in the SCC.

30. Services and Facilities

30.1 The Procuring Agency shall make available to the Bidder and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described , at the times and in the manner specified in the SCC or terms of reference.

30.2 In case that such services, facilities and property shall not be made available to the Bidder, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Bidder for the performance of the Services, (ii) the manner in which the Bidder shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Bidder as a result thereof.

F. Payments to the Bidder

31. Contract Price

31.1 The price payable shall be in Pakistani Rupees unless otherwise specified in the SCC. Prices charged by the Supplier for Goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its Bid.

32. Terms and Conditions of Payment

32.1 Payments will be made to the Bidder according to the payment schedule stated in the SCC and as per actual invoice submitted by the Bidder.

32.2 Unless otherwise stated in the SCC, the advance payment shall be made against the provision by the Bidder of a bank guarantee for the same amount, and shall be valid for the period stated in the SCC. Any other payment shall be made after the conditions listed in the SCC for such payment have been met, and the Bidder have submitted an invoice to the Procuring Agency specifying the amount due.

33. Currency of Payment

33.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

G. Quality Control

34. Identifying Defects

34.1 The principle and modalities of Inspection of the Goods by the Procuring Agency shall be as indicated in the SCC. The Procuring Agency shall check the Bidder's performance and notify him of any Defects that are found. Such checking shall not affect the Bidder's responsibilities. The Procuring Agency may instruct the Bidder to search for a Defect and to uncover and test any service that the Procuring Agency considers may have a Defect. Defect Liability Period is as defined in the SCC.

35. Correction of Defects, and

Lack of Performance Penalty

35.1 The Procuring Agency shall give notice to the Bidder of any Defects before the end of the Contract. The Defects liability period shall be extended for as long as Defects remain to be corrected.

35.2 Every time notice a Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Procuring Agency's notice.

35.3 If the Bidder has not corrected a Defect within the time specified in the Procuring Agency's notice, the Procuring Agency will assess the cost of having the Defect corrected, the Bidder will pay this amount, and a Penalty for Lack of Performance.

36. Taxes and Duties

36.1 A Supplier shall be entirely responsible for all taxes, duties, fees, etc., incurred until delivery of the contracted Goods to the Procuring Agency.

H. Settlement of Disputes

37. Alternate Dispute Resolution

37.1 The disputes between the parties to the contract may be settled in accordance with Public Procurement Rules, 2004.

37.2 The procuring agency shall refer the matter to the Chief Justice Islamabad High Court or Managing Director PPRA or the Secretary Ministry of Law & Justice for appointment of Arbitrator.

37.3 The fee for the Arbitrator shall be specified in Pak Rupees as determined by the appointing authority which shall be borne and shared equally by the contracting parties.



Special Conditions of Contract

SECTION VIII. SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract

Number of GC Clause 1

Definitions

The Procuring Agency is: Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory

The Supplier is:

The title of the subject procurement is: Different Items for Electronics Lab (CS) (Tender No. VU/26-27/08/897)

Number of GC Clause 3

Applicable/Governing Law:

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 4

Language:

The language of the Contract, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be in **English**.

Number of GC Clause 5

Notices:

The addresses for the notices are:

Procuring Agency:

Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager
19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory
+92-300-065-6935
ejazquireshi@vu.edu.pk

Contractor/ Bidder:

[Name, address and telephone number].

The Contractor/ Bidder's Representative(s)

[Name, address, telephone number and e-mail address]

Number of GC Clause 7.1

The Authorized Representatives are:

For the Procuring Agency:

Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager
19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory
+92-300-065-6935
ejazqureshi@vu.edu.pk

For the Bidder:

Name:

Designation:

Address:

Number of GC Clause 8

Effectiveness of the contract

Number of GC Clause 9

Commencement of Contract:

Number of GC Clause 11.2

Expiration of Contract:

Number of GC Clause 15

Termination

In the event of termination of the contract due to any reason as already defined in the General Conditions of Contract, the Bidder shall be responsible for providing to the Authority the Goods till the time of alternate arrangements.

Number of GC Clause 17

Conflict of Interest:

The Procuring Agency reserves the right to determine on a case-by-case basis whether the Bidder should be disqualified from providing goods or services due to a conflict of a nature described in Clause GCC 17.

Number of GC Clause 22

Liquidated Damages

If the Bidder fails to provide services as required under the contract or in case of any data loss/data breach or any incident compromising the data security or other such failures related to any services, the Bidder shall pay to the Procuring Agency as Liquidated Damages at a rate of **0.01%** to **10.00%** of the Contract value, in accordance with the extent of performance failure & the cost of investigating such incidents as judged by the

Authority.

Number of GC Clause 23

Performance Guarantee:

The amount of performance guarantee shall be **0%** of the contract price in acceptable form of **Nil**

Number of GC Clause 32

Payment terms:

Payment will be made to the Bidder against the procured Goods and services according to the actual invoice or running bills submitted by the Bidder against the services provided within the time given in the conditions of the contract.

Number of GC Clause 33

Currency of Payment:

All the payment to be released to the contractor/Bidder shall be in Pakistani Rupees.

Number of GC Clause 34

Identifying Defects:

The Authority reserves the right at any time to inspect the premises of the provider to inspect the goods and monitor the goods being provided.

Delivery & Documents

Copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;

Delivery Challan(s) in original, duly signed and stamped by the supplier

Number of GC Clause 37

Following is the guidance for Dispute Resolution

- i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard.
- ii. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties.
- iii. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall

be appointed by mutual consent of the both parties. The Arbitration shall take place in Islamabad, Pakistan and proceedings will be conducted in English language.

iv. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute.

v. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.



Bid Securing Declaration

Form 9: Bid Securing Declaration

Date: *[insert date (as day, month and year)]*

Bid No.: **P99673**

To: **Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory**

We, the undersigned, declare that:

We understand that, according to your conditions, Bids must be supported by a Bid Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.



Contract Form

SECTION IX: CONTRACT FORMS

THIS AGREEMENT made the ____ day of _____ 20____ between **Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory**

(hereinafter called “the Procuring Agency”) of the one part and [name of Bidder] of [city and country of Bidder] (hereinafter called “the Bidder”) of the other part:

WHEREAS the Procuring Agency invited Bids for provision of goods, viz., **Different Items for Electronics Lab (CS) (Tender No. VU/26-27/08/897) (P99673)** and has accepted a Bids by the Bidder for the provision of Goods in the sum of [contract price in words and figures] (hereinafter called “the Contract Price”).

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Contract, In the event of any ambiguity or conflict between the Contract Documents listed below, the order of precedence shall be the order in which the Contract Documents are listed below:-

1. This form of Contract;
2. the Form of Bids and the Price Schedule submitted by the Bidder;
3. the Schedule of Requirements;
4. the Technical Specifications;
5. the Special Conditions of Contract;
6. the General Conditions of the Contract;
7. the Procuring Agency’s Letter of Acceptance; and
8. [add here: any other documents]

3. In consideration of the payments to be made by the Procuring Agency to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Procuring Agency to provide the Goods related services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Agency hereby covenants to pay the Bidder in consideration of the provision of Goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

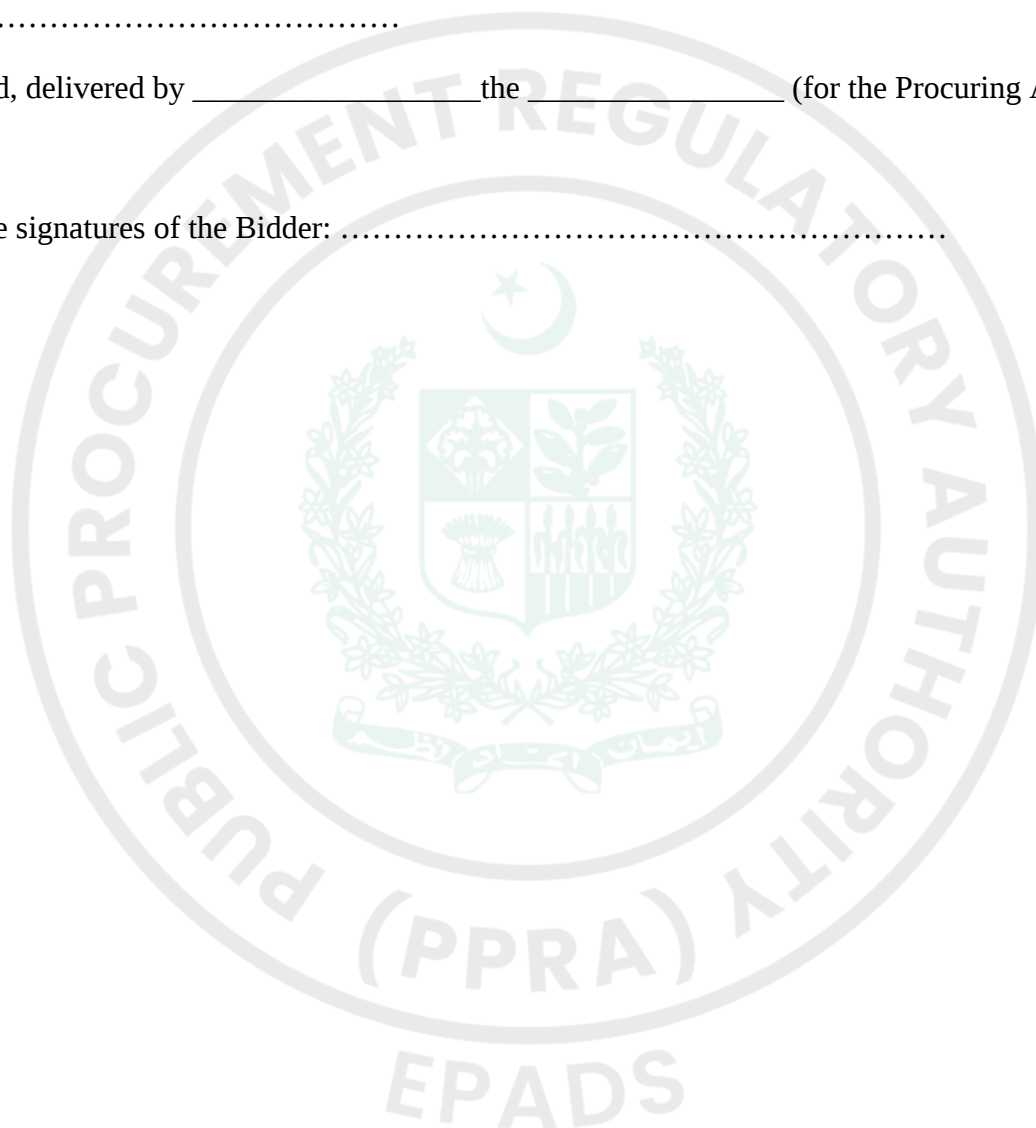
Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

Witness to the signatures of the Procuring Agency:

.....

Signed, sealed, delivered by _____ the _____ (for the Procuring Agency)

Witness to the signatures of the Bidder:





Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract

Number: Contract

Value: Contract Title:

Dated:

[Name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [Name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fee etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultations fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [Name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.



Performance Guarantee Form

Performance Guarantee Form

To: **Virtual University of Pakistan (Virtual University of Pakistan (VU)), Manager 19- Ataturk Avenue, G-5/1, Islamabad, Islamabad Capital Territory**

WHEREAS *[name of Bidder]* (hereinafter called “the Bidder”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods(hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

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

This guarantee is valid until the: *[insert date]*

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]





Annexure

Tender document published by Virtual University of Pakistan at PPRA and VU websites

Information (Read-Only)

See Form Under Additional Forms and Documents: **Tender document published by Virtual University of Pakistan at PPRA and VU websites** (page number: 95)





Procurement Forms







Additional Forms and Documents

 VIRTUAL UNIVERSITY OF PAKISTAN 				
TENDER NOTICE				
Through e_Pak Acquisition and Disposal System (EPADS) v2.0				
Sealed Tenders are invited through (EPADS v2.0) https://epads.gov.pk from the Firms who are registered with Tax Authorities on Active Taxpayers List (ATL) of FBR, for the following:				
Sr. No.	Description	Tender Fee (Rs.)	Tender Opening Date	Tender Receiving / Opening Time
1.	<u>Tender No. VU/26-27/08/897</u> Different Items for Electronics Lab (CS)	1,000/-	September 21, 2026	Receiving: 02:00pm Opening: 02:30pm
2.	<u>Tender No. VU/26-27/08/898</u> Network Firewalls (ICT)	1,000/-	September 22, 2026	Receiving: 02:00pm Opening: 02:30pm

Tender documents for the above-mentioned tender(s) are also available on the Virtual University of Pakistan website (<https://www.vu.edu.pk/Opportunities/Tenders>). However, bids shall be submitted only through EPADS v2.0. Any bid submitted through any other mode shall not be considered.

The complete tendering process shall be carried out through EPADS v2.0.

Interested bidders are required to register themselves on EPADS v2.0 (<https://epads.gov.pk>) and submit their bids electronically through the EPADS v2.0 portal.

The Bid Security (if applicable), in the amount and form specified in the bidding documents and drawn in favor of the Virtual University of Pakistan, shall be uploaded as a scanned copy on EPADS v2.0. The original Bid Security, along with one hard copy of the sealed bid, must also be submitted physically to the Virtual University of Pakistan at the address provided below on or before the bid closing date and time. Bids requiring Bid Security that are submitted without the prescribed Bid Security shall be rejected. The bid submission and opening schedule shall be strictly observed.

The University reserves the right to accept or reject any bid, or to annul the procurement process at any stage, in accordance with the provisions of the Public Procurement Rules, 2004.

This Tender Notice is also available on the PPRA website (www.ppra.gov.pk) and the Virtual University of Pakistan website.

PID/0206/1/26

PROCUREMENT DEPARTMENT
DIRECTORATE OF FINANCE VIRTUAL UNIVERSITY OF PAKISTAN
 SIR SYED MEMORIAL SOCIETY BUILDING 19-ATATURK AVENUE, G-3/1, ISLAMABAD
 Phone No. 051-111-880-880 Extensions: 1354 / 1323 / 2823, 1651
 Email: po@vu.edu.pk Website: www.vu.edu.pk
 VU NTN: 4388557-8

TENDER DOCUMENT

DIFFERENT ITEMS FOR ELECTRONICS LAB (CS)

Tender No. VU/26-27/08/897

This tender will be opened on **September 21, 2026, at 02:30 pm** in the Procurement Department, Virtual University of Pakistan, Sir Syed Memorial Society, 19-Ataturk Avenue, G-5/1, Islamabad.

Name of Firm/Company: _____

Office Address: _____

Contact Person: _____ Designation: _____

Phone No: _____ Fax No: _____ Cell No: _____

GST Reg. No: _____ N.Tax Number: _____

Active email address (in CAPITAL letters): _____

Status of Firm/Company (Pls. tick appropriate box)

Manufacturer / Authorized Dealer ☐

General Supplier ☐

PROCUREMENT METHOD / PROCEDURE:
“SINGLE STAGE - ONE ENVELOP PROCEDURE”

TERMS AND CONDITIONS:

ITEMS MARKED WITH (*) MUST BE ATTACHED; OTHERWISE, YOUR BID WILL BE DECLARED AS NON-RESPONSIVE.

1. No bid shall be considered if:
 - i. The bid is not uploaded on EPADS V2.0.
 - ii. The bid is not submitted in hard copy as per the given schedule at the specified location.
 - iii. The uploaded bid and the hard copy are not in the same bidder's name.
 - iv. The bid is received without the Original Bid Security and Tender Fee, enclosed in a single envelope.
2. The notice published in the media shall be considered an integral part of this tender document.
3. The tender shall be opened on the specified date. In case the date falls on a public holiday, the tender shall be opened on the next working day.
4. To submit a tender with the Virtual University of Pakistan, bidders are required to deposit **Rs. 1,000/- online in any branch of Allied Bank Limited in Account No. PK58ABPA0010061279710055 (Virtual University of Pakistan). (*)**
5. The original deposit slip must be attached with the bid. This amount is a non-refundable tender fee and is mandatory. Cash, crossed/open cheques, Pay Orders, or Demand Drafts are not acceptable.

6. Bids submitted without the tender fee shall not be accepted. (*)
7. The tender should be addressed to the Director Finance, Virtual University of Pakistan.
8. The bidder should quote rates clearly in the tender document in both figures and words.
9. The duly completed bid document must reach the Procurement Department, Directorate of Finance, Virtual University of Pakistan, **not later than 02:00 PM on September 21, 2026**. Late tenders shall not be entertained. Telegraphic or faxed bids shall not be accepted. **Bids will be opened at 02:30 PM on the same date** at the office of the Procurement Department, Directorate of Finance, Virtual University of Pakistan, Islamabad.
10. VU shall open all bids through EPADS V2.0 as per the given schedule and at the place specified above, in the presence of bidders' representatives who choose to attend the meeting and sign the attendance sheet as evidence of their presence.
11. Please attach the Original Tender Document, along with item specifications, with the bid. (*)
12. VU shall not be responsible for any delay, loss, or non-receipt of bids sent by post or courier.
13. Original tender documents along with all specifications must be attached to the bid. (*)
14. **The bidder shall furnish, as part of its bid, a Bid Security(ies) (Earnest Money) as mentioned in the bidding documents uploaded at EPADS v2.0 in the form of Demand Draft (DD), Pay Order (PO), Call Deposit Receipt (CDR), or Bank Guarantee only. Cheques shall not be accepted. (*)**
15. Bids without bid security shall not be entertained, even if the bidder is technically qualified. (*)
16. A scanned copy of the bid security must be uploaded on EPADS V2.0, and the original hard copy must be submitted physically along with the bidding documents on the closing date. (*)
17. The deposit slip/proof of online transfer of the Tender Fee and Bid Security(ies) must be submitted in the required form, in a separate envelope placed inside the main envelope. (*)
18. The bid security shall be refundable to unsuccessful bidders after finalization of the tender. The earnest money of the successful bidder shall be retained until delivery of the items ordered. (*)
19. The bidder must provide the complete company profile, including the age of the company.
20. The bidder must submit a list of Directors/Partners/Owners along with the bid.
21. The bidder must be a registered taxpayer with FBR and appear on the Active Taxpayer List (ATL).
22. Copies of NTN and GST certificates must be attached.
23. If GST is exempted, relevant documentary evidence must be provided.
24. Income Tax and Sales Tax shall be deducted as per Government rules. (*)
25. Bidder(s) should quote their rates (including all applicable taxes, duties at prevailing rates and transportation & other related costs) clearly on the Tender Document for each item, both in figures and words. Sales Tax and Income Tax shall be applicable at the prescribed rates.
26. Please attach a Financial Soundness Certificate/Account Maintenance Certificate issued by your bank, not older than three (03) months. (*)
27. The bidder must submit an Affidavit on Rs. 100/- stamp paper confirming that the Bidder/Firm/Company/Contractor is not blacklisted by the Public Procurement Regulatory Authority (PPRA). The prescribed draft is attached to this document. In case of any false or misleading statement, the bidder's offer shall be liable to rejection. (*)
28. The bid shall remain valid for a period of three (03) months from the date of bid opening. Bids with a shorter validity period shall be rejected as non-responsive. (*)
29. If two or more bidders quote the same price in the Financial Proposal, the order may be equally divided among such bidders, or awarded to the bidder with better technical specifications, or VU may request the bidders to submit revised Financial Proposals.

30. The supplied items/services must conform to the standard specifications and be free from defects in all respects.
31. Items must be delivered / services will be provided at Virtual University of Pakistan's Islamabad Campus (G-10), within **Sixty (60) days** from receipt of the Purchase Order.
- a. No extensions shall be allowed unless granted by the Purchase Committee on justified grounds.
 - b. Delay in the provision of goods/items/services in accordance with the time schedule prescribed in the General Terms and Conditions (GTC) shall not be tolerated. In case of default, a penalty of 0.1% per day of the total contract/order amount or value of the delayed items/services shall be imposed, capped at a maximum of 10% of the total value of the Contract/Purchase Order/undelivered items/services.
 - c. Penalty on goods/items not delivered on time may lead to cancellation of the order without any liability to the University, and the bidder/supplier/firm/company may also be blacklisted.
 - d. Furthermore, VU may impose additional penalties in case of default and may initiate legal action. The University reserves the right to withhold pending payments or forfeit any guarantee/security submitted in this or any other contract.
32. Notwithstanding anything contrary in the General Terms and Conditions (GTC), the Bidder/Supplier shall not be liable for forfeiture of performance security, liquidated damages, late delivery charges, or termination for default if the delay or failure to perform obligations is due to a Force Majeure event.
- a. "Force Majeure" means an event beyond the control of the Bidder/Supplier, not involving fault or negligence, and not foreseeable, such as acts of God, floods, storms, earthquakes, fire, war (declared), terrorism, port closures, government restrictions, illegality arising from domestic or foreign laws, politically motivated nationwide strikes, or insurrection.
 - b. Changes in economic or market circumstances, including unexpected price increases affecting profitability, shall not constitute Force Majeure.
 - c. In case of a Force Majeure event, the Bidder/Supplier shall notify VU in writing within five (05) days, providing evidence and taking reasonable steps to mitigate the consequences. Failure to notify within the prescribed period shall result in waiver of the right to claim Force Majeure.
 - d. Unless otherwise directed in writing by VU, the Bidder/Supplier shall continue to perform its obligations as far as reasonably practicable and seek alternative means of performance.
33. Virtual University requires Contractors/Bidders to observe the highest standard of ethics during procurement and contract execution. The provisions of PPRA Rules/Act shall apply.
- a. VU may bar any firm/company/individual bidder/contractor/consultant in accordance with Blacklisting procedures under Public Procurement Rules 2004, if deemed necessary.
 - b. The Contractor/Bidder(s) shall comply with the provisions stated in the General Terms & Conditions of the Contract.
34. Virtual University may, under applicable laws, debar a bidder/contractor from participating in any public procurement process of VU for a specified period if the bidder or contractor has:
- a. Acted in a manner detrimental to public interest or good practices.
 - b. Consistently failed to perform contractual obligations.
 - c. Performed the contract unsatisfactorily.
 - d. Indulged in corrupt practices.
35. If VU debars a bidder/contractor, the procuring agency:
- a. May blacklist the bidder/firm/company for at least three (03) years.
 - b. May forward the decision to PPRA for publication on its website.
 - c. May request PPRA to debar the bidder or contractor from procurement of all procuring agencies.
36. Virtual University reserves the right to initiate legal action, in addition to blacklisting, if any

bidder/supplier/firm/company is found involved in corrupt practices.

37. Virtual University of Pakistan (VU) reserves the right to increase or decrease the quantity of goods specified at the time of award in accordance with PPRA Rules. VU also reserves the right to place orders on a partial shipment basis.
38. The supplied items must be brand new, conform to standard specifications, and be free from defects in all respects.
39. Payment shall be released upon submission of the Commercial Invoice and Sales Tax Invoice, duly verified by the technical department, in accordance with SRO 660(I) 2007.
40. The University reserves the right to accept or reject any bid or annul the procurement process at any time as prescribed under PPRA Rules.
41. A bidder requiring clarification of the bidding document shall contact VU in writing within five (05) days **through EPADS v2.0 or through given email**. VU shall respond in writing, provided the request is received within the stipulated time. If clarification results in changes to essential elements of the bidding documents, VU may amend the documents prior to the submission deadline by issuing an addendum. Any addendum shall form part of the bidding document and shall be communicated in writing to all who obtained the document and published on the VU website and EPADS v2.0.
42. To assist in examination, evaluation, comparison of bids, and qualification of bidders, VU may request written clarification. No change in price or substance of the bid shall be permitted except to correct arithmetic errors. Failure to provide clarification within the specified time may result in rejection of the bid.
43. Provided that the bid is substantially responsive, VU shall correct arithmetic errors as follows:
 - a. If there is a discrepancy between the unit price and the line-item total, the unit price shall prevail unless there is an obvious decimal misplacement.
 - b. If there is an error in a total resulting from addition or subtraction of subtotals, the subtotals shall prevail.
 - c. If there is a discrepancy between words and figures, the amount in words shall prevail unless related to an arithmetic error.
44. Bidders shall be requested to accept corrections of arithmetic errors. Failure to accept corrections shall result in rejection of the bid.
45. Amicable Settlement
 - a. VU and the Supplier shall make every effort to resolve amicably through informal negotiation any dispute arising under or in connection with this contract.
 - b. If not resolved within thirty (30) days, the dispute shall be referred to arbitration.
 - c. Each party shall nominate one arbitrator in writing. The two arbitrators shall conduct proceedings in Islamabad and may appoint a third arbitrator if necessary.
 - d. Arbitration shall be conducted in accordance with the Arbitration Act 1940 (as amended). The decision of the majority shall be final and binding. Each party shall bear the cost of its appointed arbitrator, and the cost of the third arbitrator shall be shared equally. In case of resignation or incapacity of an arbitrator, a replacement shall be appointed without restarting proceedings.
46. An abnormally Low Bid is one where the price appears unreasonably low, raising concerns regarding the bidder's capability to perform the contract. VU may seek written clarification and detailed price analysis. If the bidder fails to demonstrate capability, the bid shall be rejected.
47. The University reserves the right to accept or reject any bid or annul the procurement process at any time in accordance with PPRA Rules.
48. Payment shall be made as per actual verified quantity after submission of the Sales Tax Invoice, duly verified by the department concerned, in accordance with SRO 660(I) 2007.
49. Delivered items must conform to standard specifications and VU requirements.

EVALUATION CRITERIA:

- i. Initial scrutiny of tender documents/bids
- ii. Technical Evaluation as per BOQ
- iii. Evaluation of sample Unit(s), **if needed**
- iv. Selection of technically compliant bidder(s)
- v. Financial Evaluation of compliant bidders(s)
- vi. Award of tender to the Most advantageous bidder(s)

**Procurement Department
Directorate of Finance
Virtual University of Pakistan
Sir Syed Memorial Society Building,
19-Ataturk Avenue, G-5/1, Islamabad
UAN: 051-111-880-880 Ext 1366, 1323, 2823
VU NTN: 4388557-8
Email: po@vu.edu.pk**

Declaration by the Bidder (draft)

Should be on Rs.100/- stamp paper

I, being the owner/proprietor/director/authorized representative of the firm/company, hereby certify that I have read and understood all the terms and conditions of this office and accept the same without any reservation.

I further confirm that all items and/or services provided shall be of the best quality, strictly in accordance with the prescribed standards, specifications, and requirements. I undertake to replace or redo, at my own cost, any item or service found to be substandard, unsatisfactory, or defective, without any claim whatsoever against the Virtual University of Pakistan (VU).

In case of failure to comply with the above, I understand and agree that VU shall have the right to impose penalties, confiscate the earnest money and blacklist the firm/company in accordance with applicable rules.

I hereby also confirm to provide warranty including service & support with parts for complete unit(s) (where applicable) from the date of delivery.

I further declare that, as of the date of this undertaking, the firm/company is not blacklisted by the Public Procurement Regulatory Authority (PPRA) or any other government organization.

SIGNATURE & STAMP

Name: _____

Designation: _____

FINANCIAL OFFER:

As per specifications given against each item.

**COMPLETE BILL OF QUANTITIES (BOQ) DISTRIBUTED IN LOTS, ALONG WITH
SPECIFICATIONS IS ATTACHED**



Virtual University of Pakistan

Different items for Electronics Lab (CS)

Detail of Requirement-BOQ (Tender No. VU/26-27/08/897 dated September 21, 2026)

Lot # 01 - lot & Instrumentation Lab Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
1	1	VARIABLE DC POWER SUPPLY <i>UNI-T (UDP3305S) or Equivalent</i> 315W Programmable linear DC power supply 5A 30V 3 CH variable DC power supply	1				
1	2	VARIABLE DC POWER SUPPLY <i>UNI-T (UTP3315TFL-II) or Equivalent</i> Output voltage range of 0–30V, output current range of 0–5A, 150W output power, load regulation of $CV \leq 0.01\% + 5mV$ and $CC \leq 0.1\% + 10mA$, accuracy at $25^{\circ}C \pm 5^{\circ}C$ of $< 0.5\% + 20mV$ for voltage and $< 0.5\% + 10mA$ for current, and ripple and noise $\leq 2mV_{rms}$.	6				
1	3	FUNCTION GENERATOR <i>UNI-T (UTG962E) or Equivalent</i> Output Waveforms: Sine, square, pulse, ramp, noise, DC, arbitrary, Output frequency range: 1uHz-30MHz/60MHz multi-channel output	6				
1	4	DIGITAL OSCILLOSCOPE <i>UNI-T (UTD2202CEX) or HANTEK or Equivalent</i> USB Dual Channel 200Mhz 1G Sampling Rate High Voltage Probe PC LCD Portable Oscilloscope	6				
Total Amount of the lot (Rs.)							

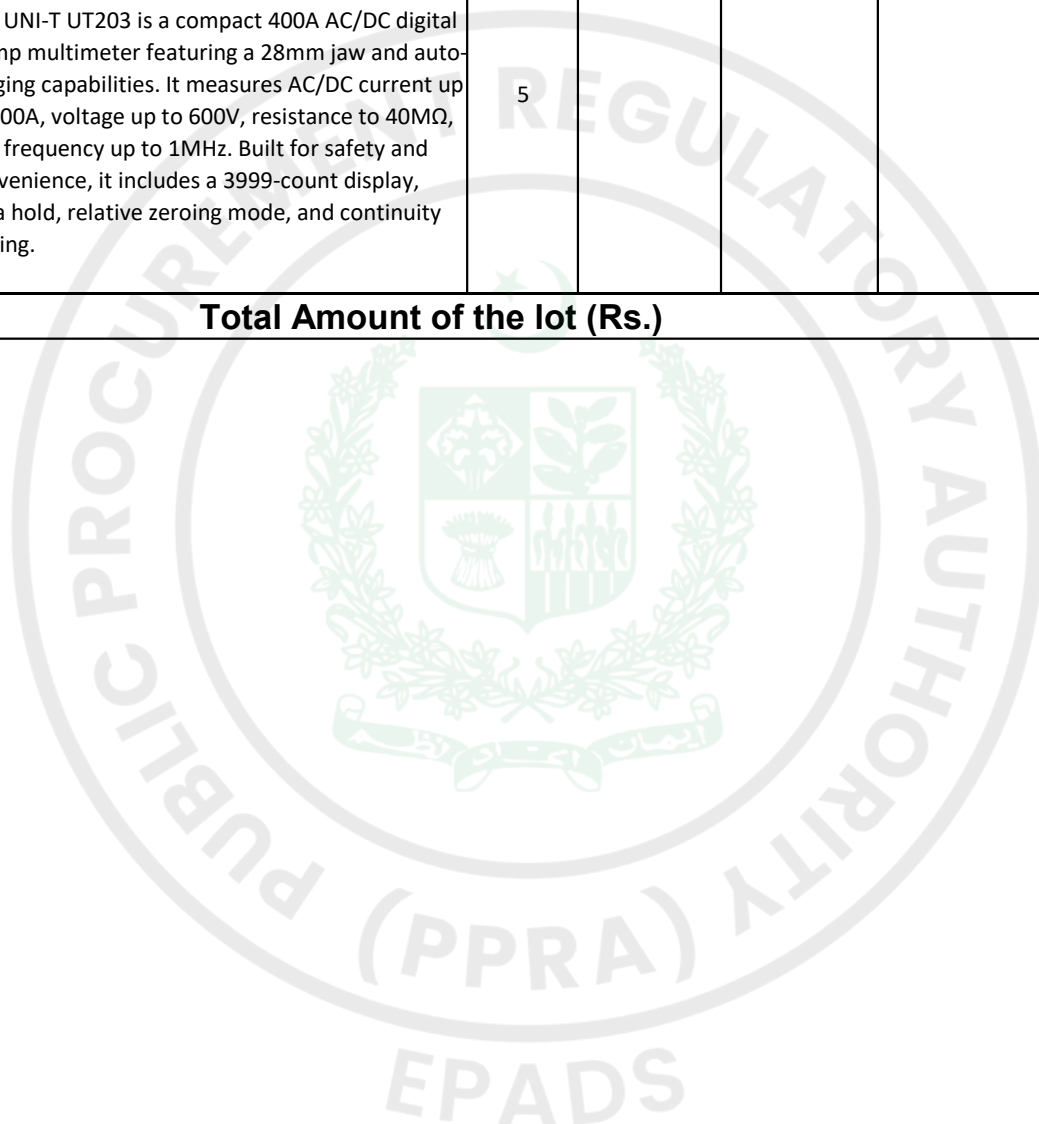
Lot # 02 - Soldering Work Station Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
2	1	LCD TOUCH SCREEN SEPARATOR MACHINE HOT AIR STATION <i>KADA (KADA 9803D+) or Equivalent</i> 3-in-1 Rework Station with LCD Touch Screen Separator, Hot Air Station, and Soldering Iron Station. LCD display Input voltage: AC220V / 110V/+-/10% 50HZ / 60HZ, Temperature range: hot air gun 100-480 degrees Celsius, soldering station 200-480 degrees Celsius	6				
2	2	SOLDERING SOLDER IRON STAND HOLDER STATION MAGNIFIER <i>Any brand with the mentioned specifications</i> TE-803,.5x/4x/16x USB Auxiliary Clip Welding Magnifying Glass 16 LED Hand Soldering Solder Iron Stand Holder Station Magnifier by Electrical	6				
2	3	HEAT RESISTANT ANTI-STATIC MAT <i>HPFIX (HPESD15) or Equivalent</i> Required for workbench top. Must be capable to withstand high temperatures and dissipate static electricity.	8				
2	4	ANTI-STATIC WRIST STRAP <i>Pro'sKit AS-611 or Equivalent</i> Material: Elastic band with conductive threads, Resistance: 1M Ohm resistor built-in for safety, Grounding cord length: Coiled cord, Alligator clip for secure grounding.	6				
2	5	PCB REPAIR AND CURING KIT <i>MECHANIC UV Curing Light and Solder Mask Syringes or Equivalent</i> Lamp Power: 5V USB powered UV LED, Wavelength: 395nm, Solder Mask: Green/Black/Red syringe (10cc), Curing time: <3 minutes under UV light, prevents arcing and corrosion.	5				
Total Amount of the lot (Rs.)							

Lot # 03 - Electronics Student Workstation Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
3	1	DIGITAL MULTIMETER <i>UNI-T (UNI-T UT601) or Equivalent</i> Must be equipped with functions like Auto range, MAX/MIN/REL mode, Auto power off, LCD backlight, Analog bar graph, NCV, Low battery indication, EF (Electric Field) detection, Transistor measurement, Diode/continuity buzzer, Data hold, Input protection.	6				
3	2	DESOLDERING PUMP VACUUM SOLDER SUCKER ANTI-STATIC <i>Any brand with the mentioned specifications</i> Metal Body, Anti-Static, Self-Cleaning Shaft	10				
3	3	LOGIC PROBE <i>LP-3500 or Equivalent</i> The LP-3500 is a precision handheld digital logic probe designed for troubleshooting, inspecting, and testing digital circuits. It requires no internal battery and is fully compatible with TTL, DTL, and CMOS integrated circuits. The probe features color-coded LED visual indicators and dual audible tones, allowing users to easily determine logic high, logic low, and pulsing signals during circuit diagnostics.	6				
3	4	TRANSISTOR TESTER SMD TESTER <i>UNI-T (UT116A) or Equivalent</i> 36V DC voltage measurement. Resistance, capacitance, continuity, diode measurement	6				
3	5	SOLDERING GUN WITH SOLDER FEEDER <i>INGCO (SI016732) or Equivalent</i> Integrated automatic solder wire feeder, adjustable temperature control	2				
3	6	SPOT WELDER <i>SUNKKO (709A) or Equivalent</i> Soldering iron part, Temperature: 150°C ~ 450°C, Power: 50 W, Output Voltage: 20 V DC, Spot-welder part, Supply Voltage: AC 220 V ± 20 V/110 V, Power: 3.2 KW (Instantaneous), Current: 500 A, Electric leakage Switch Requirement: 60 A or more, Time of Double Pulse: 1 ~ 10 ms (adjustable), Time of Four Pulses: 2 ~ 20 ms (adjustable), Time of Eight Pulses: 8 ~ 80 ms (adjustable), Welding Pin Range: 5 – 6 mm, Welding Pressure: 300 – 500 g, Welding Distance: Adjustable.	1				
		NETWORK CABLE TESTER <i>UNI-T UT681C, NOYAFA NF-8209, or Equivalent</i>					

3	7	Supported Cables: RJ45 (Ethernet), RJ11 (Telephone), Features: Wire mapping, PoE testing, length measurement, fault location (open, short, cross), Display: LCD.	2				
3	8	PEN-TYPE DIGITAL MULTIMETER <i>UNI-T UT118C Pen-Type Meter or Equivalent</i> Display: 3000/6000 count EBTN LCD, AC/DC Voltage Range: up to 600V, Resistance/Capacitance measuring, Features: NCV (Non-Contact Voltage), Phase sequence test, Gold-plated test leads, Auto power off.	5				
3	9	DIGITAL CLAMP METER <i>UNI-T (UT203+) or Equivalent</i> The UNI-T UT203 is a compact 400A AC/DC digital clamp multimeter featuring a 28mm jaw and auto-ranging capabilities. It measures AC/DC current up to 400A, voltage up to 600V, resistance to 40MΩ, and frequency up to 1MHz. Built for safety and convenience, it includes a 3999-count display, data hold, relative zeroing mode, and continuity testing.	5				
Total Amount of the lot (Rs.)							



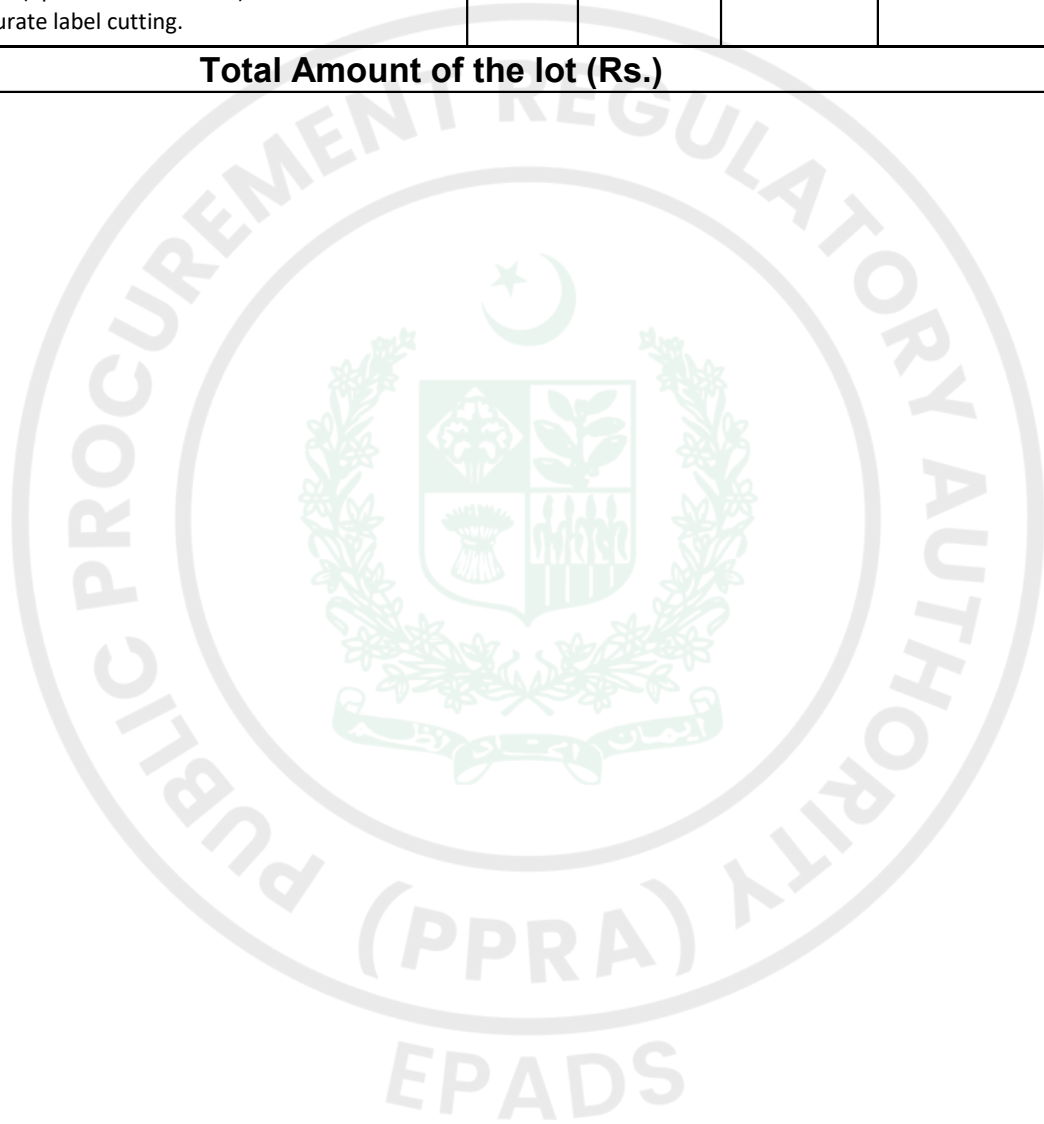
Lot # 04 - lot & Instrumentation Lab Hardware Tools

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
4	1	PROFESSIONAL TOOL SET <i>INGCO (HKTHP21171) or Equivalent</i> 117 Pcs Tools set. Must contain all necessary tools including hammer, 3 pliers, cutter, saw	1				
4	2	12 V DRILL WITH COMBO KIT <i>INGCO (CKLI1201) or Equivalent</i> For screwdriving and drilling. With adjustable torque setting and hammer feature. Lithium-Ion Cordless 2-Pc. Combo Kit	1				
4	3	MINI DRILL/GRINDER <i>INGCO (MG13328) or Equivalent</i> 130W, Variable Speed +109 Pcs Accessories	1				
4	4	HOT GUN <i>INGCO (HG200078) or Equivalent</i> Variable speed and temperature (120°C–500°C), LCD display.	2				
4	5	GLUE HOT GUN <i>INGCO (GG308) or Equivalent</i> Voltage:220-240V~50/60Hz Input power:30W(220W) Gluing capacity:20-30g/min Glue stick diameter:11.2mm	2				
4	6	ELECTRIC PRECISION SCREWDRIVER <i>Mi or Equivalent</i> Two-speed adjustable torque / magnetic absorption nano-bits, S2 steel precision bits	4				
4	7	2 IN 1 – VACUUM CLEANER AND ASPIRATOR BLOWER <i>INGCO, Total or Equivalent</i> 800w, Variable speed with different nozzles for easy blowing and vacuuming	1				
4	8	AUTOMATIC 3 IN 1 WIRE STRIPPER <i>INGCO (HWSP102418) or Equivalent</i> Adjustable wire gauge, durable sharp blades for stripping, cutting, and crimping	2				
4	9	WIRE STRIPPER <i>INGCO (HWSP851) or Equivalent</i>	6				
4	10	PCB BOARD CUTTERS/PLIER <i>Plato 170 or YTH 037 or Equivalent</i> to cut PCB sheets, Vero Boards	2				
4	11	DIGITAL VERNIER CALIPER <i>Shahe Electronic or Equivalent</i> Metal 6-Inch 150mm, Measuring range: 0 – 150 mm / 0 – 6-inch, Resolution: 0.01 mm / 0.0005 inch.	4				
4	12	RATCHETING SCREWDRIVER SET WITH ROTATABLE RATCHET HANDLE MAGNETIC <i>INGCO or any other</i> The INGCO AKISD1208 is a 13-in-1 ratcheting screwdriver featuring an adjustable-angle handle, a 3-position magnetic ratchet, and built-in storage for its 12 included bits.	2				

4	13	PROFESSIONAL CABLE CRIMPING KIT <i>Crimping Kits for JST, Dupont, and Ferrules or Equivalent</i> Compatibility: JST, Dupont (2.54mm), and Ferrules, Mechanism: Ratcheting action for consistent crimps, Material: High-carbon steel jaws, Accessories: Assorted connector box and wire stripper included.	2				
4	14	CORDLESS DRILL <i>Ingco Compact Brushless Cordless Drill 20v CDLI20668 or Equivalent</i> Brushless motor, Voltage: 20V, No-load speed: 0-500/0-2000rpm, Max torque: 66Nm, Metal chuck capacity: 13mm, Torque settings: 22+1, Mechanical 2-speed gear, Spindle lock function, Integrated LED work light. Includes 47 Pcs accessories, 2x 2.0Ah battery packs (FBLI20011), and 1x charger (FCLI2001).	1				
4	15	PCB DRILL <i>Mini Electric Drill Machine PCB Drill Grinder Set with Adapter</i> PCB Electric Drill Grinder Machine Kit	2				
4	16	MEASUREMENT INSTRUMENT <i>Digital Water PH Tester, 0-14 Measuring Value, 0.01 High Accuracy PH Meter</i> Pen-style handheld pH meter. 0.00-14.00 pH measurement range. ATC (Auto Temperature Compensation) with LCD display.	5				
Total Amount of the lot (Rs.)							

Lot # 05 - lot & Instrumentation Lab Printer

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
5	1	COLOR PRINTER (LASER) <i>HP, EPSON or equivalent</i> Colour LaserJet. 3 in 1 Wireless Printing & Scanning	1				
5	2	LABELING MACHINE <i>Casio (KL-820) or Equivalent</i> Labeling width up to 12mm. Thermal transfer printing technology. 15-character, 1-line LCD display. 180 dpi resolution. Compatible with TZe tapes (up to 12mm in width). Built-in cutter for accurate label cutting.	1				
Total Amount of the lot (Rs.)							



Lot # 06 - lot & Instrumentation Lab 3D Printer

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
6	1	3D PRINTER <i>Creality K2 Pro Combo 3D Printer or Equivalent</i> Printing Technology: FDM, Build Volume: 350 × 350 × 350 mm, Max Printing Speed: ≤ 600 mm/s, Max Acceleration: 30,000 mm/s ² , Extruder: All-metal direct drive with active extrusion control Nozzle Temperature: ≤ 350°C, Build Surface: PEI flexible build plate, Leveling Mode: Hands-free auto leveling with automatic belt tensioning, Supported Filaments: Multi-color printing (up to 16 colours) via CFS; includes PLA-CF, ABS, PLA, PETG, TPU, ASA, PA-CF, PET-CF, and high-performance engineering filaments, Camera System: 1080p chamber camera plus toolhead AI camera for precision inspection	1				
6	2	3D PRINTER FILAMENTS <i>PLA-CF, PETG, PA-CF, TPU</i> Category A: Multi-Color/General Purpose (CFS Compatible) • Materials: PLA-CF (Carbon Fiber) and PETG. • Quantity: For each material type, a total of five (5) rolls shall be supplied, with each roll weighing 1 kg. The five rolls shall consist of one roll each in Black, Blue, Red, Gray, and White, resulting in a total of 10 filament rolls (1 kg each) across these two material types. Category B: High-Performance Engineering (Direct Feed) • Materials: PA-CF (Nylon Carbon Fiber) and TPU. • Quantity: For each material type, a total of five (5) rolls shall be supplied, with each roll weighing 1 kg. The five rolls shall consist of one roll each in Black, Blue, Red, Gray, and White, resulting in a total of 10 filament rolls (1 kg each) across these two material types. Total Procurement: 20 filament rolls (1 kg each) across four material types.	20				
Total Amount of the lot (Rs.)							

Lot # 07 - Battery Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
7	1	UNIVERSAL BATTERY CHARGER <i>LiitoKala (Lii-S12) or Equivalent</i> Should be capable of charging most types of batteries. e.g., D Battery, C Battery, AA Battery, AAA Battery, 9V Battery, Button cell, 21700Li-ion, 18650Li-ion, 16340Li-ion	3				
7	2	BATTERY TESTER <i>ANENG (168Max) or Equivalent</i> Should be capable of assessing all types of batteries e.g. D Battery, C Battery, AA Battery, AAA Battery, 9V Battery, Button cell, 21700Li-ion, 18650Li-ion, 16340Li-ion	4				
7	3	AUTOMOTIVE / LEAD-ACID BATTERY TESTER <i>UNI-T UT673A Battery Tester or Equivalent</i> Supported Batteries: 12V cranking lead-acid batteries, Capacity Range: 30-200 Ah, Test Standards: CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE, Features: Battery health test, cranking test, charging system test.	4				
Total Amount of the lot (Rs.)							

Lot # 08 - IoT Boards Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
8	1	MICROCONTROLLER BOARD <i>Arduino UNO R3 or Equivalent</i> Microcontroller: ATmega328P, Operating Voltage: 5V, Input Voltage: 7-12V, Digital I/O Pins: 14 (6 provide PWM output), Analog Input Pins: 6, Flash Memory: 32KB, Clockspeed: 16MHz	20				
8	2	SINGLE BOARD COMPUTER <i>Raspberry Pi 5 or Equivalent</i> Processor: Broadcom BCM2712 2.4GHz quad-core 64-bit Arm Cortex-A76 CPU, RAM: 4GB/8GB LPDDR4X, Connectivity: Dual-band 802.11ac Wi-Fi, Bluetooth 5.0, Gigabit Ethernet, Ports: 2x USB 3.0, 2x USB 2.0, 2x micro-HDMI.	10				
8	3	ESP32 WI-FI & BLUETOOTH MODULE <i>Espressif ESP32-WROOM-32D or Equivalent</i> Chip: ESP32-D0WD, Flash: 4MB/8MB/16MB, Wi-Fi: 802.11 b/g/n, Bluetooth: v4.2 BR/EDR and BLE, Interfaces: UART, SPI, SDIO, I2C, LED PWM, Motor PWM, I2S, IR, GPIO, capacitive touch sensor, ADC, DAC.	10				
8	4	RFID / NFC DEVELOPMENT MODULE <i>NXP PN532 or MFRC522 Modules or Equivalent</i> Operating Frequency: 13.56 MHz, Supported Protocols: ISO/IEC 14443A/MIFARE, Interface: SPI, I2C, and UART (PN532), Operating Voltage: 3.3V (MFRC522) to 5V (PN532).	10				
8	5	SOLDER PASTE SYRINGE <i>sn63pb37 Solder Paste or Mechanic Solder Paste in Syringe or Equivalent</i> Alloy: 63% Tin (Sn) / 37% Lead (Pb), Melting Point: 183°C (Eutectic), Flux Type: Rosin Mildly Activated (RMA) or No-Clean, Micron Size: Type 3 or Type 4 (20-45 microns), Packaging: Syringe.	50				
8	6	PCB FABRICATION <i>Silver Conductive Ink Pen</i> Conductive silver-based ink pen for drawing or repairing traces on PCBs and flexible circuits. Rapid drying at room temperature.	10				
8	7	HMI DISPLAYS <i>7 Inch 800*480 TJC Capacitive Touch HMI Serial Interface Display For Arduino and Raspberry Pi</i> Nextion/TJC compatible intelligent serial display. 800x480 resolution with capacitive touch interface. Connects via UART.	5				
8	8	DISPLAY MODULES <i>0.96 Inch 128x64 IIC I2C OLED Blue Display Module For Arduino</i>	10				

		Monochrome (Blue) OLED display. 128x64 pixels. I2C serial interface. Operating voltage 3.3V to 5V.					
8	9	DISPLAY MODULES <i>Raspberry Pi 3.2 inch Touch Screen TFT LCD Display 320x240</i> Resistive touch TFT screen designed for Raspberry Pi GPIO pins. 320x240 resolution. SPI interface.	10				
8	10	SENSORS <i>37 in 1 Sensor Kit Sensors Module Board Set For Arduino</i> Comprehensive assortment of 37 standard digital and analog sensor modules (e.g., sound, light, temperature, motion, relays) for microcontroller prototyping.	10				
8	11	PCB FABRICATION <i>A4 Size PCB Thermal Transfer Paper for Project PCB Making</i> Toner transfer paper sheets sized A4. Specially coated to cleanly release laser-printed toner onto copper clad boards via heat pressing.	500				
8	12	MICROCONTROLLERS / IOT <i>ESP32-CAM WiFi Bluetooth Camera Module Development Board ESP32 with Camera Module OV2640 2MP or Equivalent</i> Ultra-small 802.11b/g/n Wi-Fi + BT/BLE SoC module. Includes OV2640 2 Megapixel camera module and built-in TF card slot.	10				
8	13	MICROCONTROLLERS / IOT <i>ESP32 / ESP32-C3 WiFi+Bluetooth 5.0 Internet Of Things Dual Type-C Development Board Core Board ESP32-C3-DevKitM-1 For Arduino or Equivalent</i> RISC-V single-core 32-bit MCU module. Supports Wi-Fi 4 and Bluetooth 5 (LE). Includes Type-C USB interface for flashing and power.	10				
8	14	MICROCONTROLLERS / IOT <i>ESP32 S3 N16R8 Development Board WiFi + Bluetooth MCU Module or Equivalent</i> Xtensa dual-core 32-bit LX7 microprocessor. Integrates 2.4 GHz Wi-Fi and Bluetooth LE. 16MB Flash and 8MB PSRAM configurations.	10				
8	15	MICROCONTROLLERS / IOT <i>ESP32 WROOM-32 38-pins Wifi+Bluetooth MCU Module or Equivalent</i> Standard ESP32-D0WDQ6 chip. Dual-core Xtensa 32-bit LX6 microprocessor. 4MB Flash, integrated Wi-Fi 802.11 b/g/n and Bluetooth v4.2 BR/EDR and BLE. 38-pin layout.	10				
		WIRELESS MODULES <i>HC-06 Bluetooth Module for Arduino or Equivalent</i>					

8	16	Serial port Bluetooth 2.0 module. Configured as slave default. TTL serial interface for simple wireless microcontroller communication.	10				
8	17	MICROCONTROLLERS / IOT <i>ESP32-S3 CAM Development Board with OV3660 Camera IOT Based Cam Module or Equivalent</i> Advanced ESP32-S3 chip (Xtensa dual-core 32-bit LX7) designed for AI/ML tasks. Includes 3-Megapixel OV3660 camera and PSRAM for high-performance computer vision projects.	10				
Total Amount of the lot (Rs.)							



Lot # 09 - Digital Soldering / Imaging Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
9	1	SOLDERING STAND WITH DIGITAL MICROSCOPIC CAMERA <i>Andonstar (AD249S-M Plus 10.1') or Equivalent</i> 10.1-inch HD screen, adjustable magnification, HDMI output, and integrated LED lighting for precision visual inspection.	1				
9	2	THERMAL IMAGING CAMERA <i>UNI-T UTi260B, Flir TG165-X, or Equivalent</i> IR Resolution: 256x192 pixels (or comparable), Temperature Range: -20°C to 400°C, Thermal Sensitivity: <50mK, Display: LCD screen, PC Software analysis support, Image Capture: SD card storage.	1				
Total Amount of the lot (Rs.)							



Lot # 10 - DLD Lab Trainer Board and CNC Cutting & Engraving Equipment

Lot #	Sr No.	Name of Item / Specifications	Qty. Reqd.	Rate per Unit (Rs.)	GST (if applicable) per Unit (Rs.)	Rate per Unit with GST (Rs.)	Total Amount (Rs.)
10	1	DIGITAL LOGIC TRAINER BOARD <i>K&H MFG CIC-500 Digital Logic Lab or Equivalent</i> Power Supply: Fixed DC +5V, Variable DC 0 to +15V and 0 to -15V, Clock Generator: 1Hz to 1MHz, Switches: 8 data switches, 2 pulser switches Displays: 8 LED indicators, 2 seven-segment displays, Breadboard: Tie points for custom circuits.	2				
10	2	DESKTOP CNC ROUTER (CNC CUTTING & ENGRAVING) <i>TwoTrees TTC 3018S CNC Cutting Engraving Machine DIY Kit or Equivalent</i> Working Area: 300 x 180 x 45 mm, Spindle: 775 Spindle Motor (10,000 RPM), Control System: GRBL (Compatible with Candle and standard G-Code senders), Material Compatibility: PCB (FR4), Wood, Acrylic, PVC, Soft Plastics, Soft Aluminum (with low feed rates), Frame Construction: Aluminum profile with durable resin/bakelite components, Supported Software: Easel, Fusion360, Vectric, and standard CAM software	2				
Total Amount of the lot (Rs.)							

SUMMARY OF FINANCIAL OFFER(S) LOT WISE

Total Quoted Amount for the Lot 1 (Rs.)	
Total Quoted Amount for the Lot 2 (Rs.)	
Total Quoted Amount for the Lot 3 (Rs.)	
Total Quoted Amount for the Lot 4 (Rs.)	
Total Quoted Amount for the Lot 5 (Rs.)	
Total Quoted Amount for the Lot 6 (Rs.)	
Total Quoted Amount for the Lot 7 (Rs.)	
Total Quoted Amount for the Lot 8 (Rs.)	
Total Quoted Amount for the Lot 9 (Rs.)	
Total Quoted Amount for the Lot 10 (Rs.)	
Grand Total Amount of all quoted Lot(s) (Rs.)	

Rate(s) of Taxes applied

i. _____%

ii. _____%

iii. _____%