Dow University of Health Sciences

Bidding Documents

Single Stage – Two Envelope Procedure

As per Rule 46 (2) of SPPR, 2010

IFB / NIT No: DUHS/DP/2026/358 Dated 02 November 2026

Procurement of High-Performance Computing (HPC), Network Infrastructure and Cybersecurity Solutions, including Servers, Storage, Switches, Firewalls, Security Software, Licenses and Allied Items & Services.

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Part One - Section I
Instructions to Bidders

Instructions to Bidders

A. Introduction

1. Source of Funds

1.1 The Procuring agency has allocated funds / received / applied for loan / grant / federal / provincial / local government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project / schemes specified in the bidding data and it is intended that part of the proceeds of this loan / grant / funds / will be applied to eligible payments under the contract for which these bidding documents are issued.

1.2 Payment by the Fund will be made by procuring agency from university funds or only at the request of the Procuring agency and upon approval by the Government of Sindh., and in case of a project will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a withdrawal from the allocated fund account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government / Sindh Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

2. Eligible Bidders

2.1 This Invitation for Bids is open to all suppliers from eligible sources as defined in the SPP Rules, 2010 (Amended) and its Bidding Documents except as provided hereinafter.

2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the 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.

2.3 Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.

2.4 Bidders intend to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV) or Consortium shall not be eligible, unless otherwise specified in the Bid Data Sheet.

2.5 Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with sub-clause 34.1.

2.6 The bidder must be registered with E-Pak Acquisition and Disposal Systems (EPADS) of Sindh Public Procurement Regulatory Authority (SPPRA).

3. Eligible Goods and Services

3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, defined in the SPP Rules, 2010 (Amended) and its Bidding Documents, and all expenditures made under the contract will be limited to such goods and services.

3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized product results that is

substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of goods and services is distinct from the nationality of the Bidder

4. Cost of Bidding

4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, hereinafter referred to as "the Procuring agency," will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

5. Content of Bidding Documents

5.1 the bidding documents include:

a. Instructions to Bidders (ITB)
b. Bid Data Sheet
c. General Conditions of Contract (GCC)
d. Special Conditions of Contract (SCC)
e. Schedule of Requirements
f. Technical Specifications
g. Bid Form and Price Schedules
h. Bid Security Form
i. Contract Form
j. Performance Security Form
k. Manufacturer's Authorization Form

5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

6. Clarification of Bidding Documents

6.1 An interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than five working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

7. Amendment of Bidding Documents

7.1 At any time prior to 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 interested Bidder, may modify the bidding documents by amendment.

7.2 All interested bidders that have received the bidding documents will be notified of the amendment in writing and will be binding on them.

7.3 In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

8. Language of Bid

8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the language specified in the Bid Data Sheet. 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 passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern.

9. Documents Comprising the Bid

9.1 The bid prepared by the Bidder shall comprise the following components:

a. a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;

b. documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;

c. documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and

d. bid security furnished in accordance with ITB Clause 15.

10. Bid Form

10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

11. Bid Prices

11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 ***For goods offered within the purchaser's country,*** prices indicated on the relevant Price Schedule shall be on delivered duty paid (DDP) AND/OR ***For goods offered from outside the purchaser's country,*** prices indicated on the relevant Price Schedule shall be on CFR / CNF / C&F / CPT – Karachi basis. The price of other (incidental) services, if any, listed in the Bid Data Sheet will be entered separately

11.3 The Bidder's separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Procuring agency and will not in any way limit the Procuring agency's right to contract on any of the terms offered.

11.4 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as nonresponsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

12. Bid Currencies

12.1 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

13. Documents Establishing Bidder's Eligibility and Qualification

13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.

13.3 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Procuring agency's satisfaction:

a. that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Procuring agency's country;

b. that the Bidder has the financial, technical, and production capability necessary to perform the contract;

c. that, in the case of a Bidder not doing business within the Procuring agency's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and

d. that the Bidder meets the qualification criteria listed in the Bid Data Sheet.

14. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.

14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:

a. a detailed description of the essential technical and performance characteristics of the goods;

b. a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring agency; and

c. an item-by-item commentary on the Procuring agency's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

15. Bid Security

15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.

15.2 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7.

15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:

a. a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or

b. irrevocable encashable on-demand Bank call-deposit.

15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Procuring agency as nonresponsive, pursuant to ITB Clause 24.

15.5 Unsuccessful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Procuring agency pursuant to ITB Clause 16.

15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 32, and furnishing the performance security, pursuant to ITB Clause 33.

15.7 The bid security may be forfeited:

a. if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or

b. in the case of a successful Bidder, if the Bidder fails:

i. to sign the contract in accordance with ITB Clause 32; **or**

ii. to furnish performance security in accordance with ITB Clause 33.

16. Period of Validity of Bids

16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Procuring agency as nonresponsive.

16.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.

17. Format and Signing of Bid

17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.

17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids

18.1 The bid shall be typed and shall be signed by the Bidder, the person signing the bid shall initial all pages of the bid. The Bidder shall submit (upload) typed Bid in original scanned copy through SPPRA (EPADS) portal, which shall be signed by the Bidder to bind the Bidder to the contract. Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person signing the bid. All bidding documents are to be duly attested (signed and stamped) by the authorized person of the bidder.

18.2 In Procedures of Open Competitive Bidding – the Envelope means encrypted electronic file(s). The Bid shall be submitted through the electronic procurement system of SPPRA (EPADS) and uploaded with the Technical Proposal and Financial Proposal (encrypted files as specified in EPADS). The original bid security scanned copy must be uploaded on EPADS. The original bid security shall be submitted at the address mentioned in the NIT/IFB/Bidding Documents/BDS. Bids shall: be addressed to the Procuring Agency at the address given in the Bid Data Sheet; and bear the title of procurement Activity indicated in the Bid Data Sheet.

19. Deadline for Submission of Bids

19.1 Bids must be received by the Procuring agency through SPPRA (EPADS) portal not later than the time and date specified in the Bid Data Sheet.

19.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20. Late Bids

20.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribed by the Procuring agency pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

21. Modification and Withdrawal of Bids

21.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.

21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

21.3 No bid may be modified after the deadline for submission of bids.

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Procuring agency

22.1 The Procuring agency will open all bids (electronically from SPPRA (EPADS) portal) in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.

22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.

22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened electronically and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances, including but not limited to bugs, viruses, system glitches, not readable file etc. Withdrawn bids will not be opened.

22.4 The Procuring agency will prepare minutes of the bid opening.

23. Clarification of Bids

23.1 During evaluation of the bids, the Procuring agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

24. Preliminary Examination

24.1 The Procuring agency will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.

24.3 The Procuring agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.

24.4 Prior to the detailed evaluation, pursuant to ITB Clause 25 the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

24.5 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

25. Evaluation and Comparison of Bids

25.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

25.2 The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing taxes and duties AND/OR on CFR / CNF / C&F / CPT – Karachi basis and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.

25.3 The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:

a. incidental costs
b. delivery schedule offered in the bid;
c. deviations in payment schedule from that specified in the Special Conditions of Contract;
d. the cost of components, mandatory spare parts, and service;
e. the availability Procuring agency of spare parts and after- sales services for the equipment offered in the bid;
f. the projected operating and maintenance costs during the life of the equipment;
g. the performance and productivity of the equipment offered; and/or
h. other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

a. Incidental costs provided by the bidder will be added by Procuring agency to the delivered duty paid (DDP) price at the final destination.
b. Delivery schedule.
   (i) The Procuring agency requires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements, which will be treated as the base; a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery; **or**

   (ii) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements; **or**

   (iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.

c. Deviation in payment schedule.

(i) Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring agency may consider the alternative payment schedule offered by the selected Bidder; **or**

(ii) The SCC stipulates the payment schedule offered by the Procuring agency. If a bid deviates from the schedule and if such deviation is considered acceptable to the Procuring agency, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.

d. Cost of spare parts.

(i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price; **or**

(ii) The Procuring agency will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price; **or**

(iii) The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Procuring agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.

e. Spare parts and after sales service facilities in the Procuring agency's country.

The cost to the Procuring agency of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

f. Operating and maintenance costs.

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the Bid Data Sheet or in the Technical Specifications.

g. Performance and productivity of the equipment.

(i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications; **or**

(ii) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to

the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

h. Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.

Alternative

25.4 Merit Point System:

The following merit point system for weighing evaluation factors can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

[In the Bid Data Sheet, choose from the range of]

Evaluated price of the goods	60 to 90
Cost of common list spare parts	0 to 20
Technical features, and maintenance and operating costs	0 to 20
Availability of service and spare parts	0 to 20
Standardization	0 to 20
Total	100

The bid scoring the highest number of points will be deemed to be the lowest evaluated bid.

26. Contacting the Procuring agency

26.1 Subject to ITB Clause 23, no Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.

26.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

F. Award of Contract

27. Post-qualification

27.1 In the absence of prequalification, the Procuring agency will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.

27.2 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, pursuant to ITB Clause 13.3, as well as such other information as the Procuring agency deems necessary and appropriate.

27.3 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 bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

28. Award Criteria

28.1 Subject to ITB Clause 30, the Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the most advantageous bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

29. Procuring agency's Right to Vary Quantities at Time of Award

29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

30. Procuring agency's Right to Accept any Bid and to Reject any or All Bids

30.1 The Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring agency's action.

31. Notification of Award

31.1 Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.

31.2 The notification of award will constitute the formation of the Contract.

31.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.

32. Signing of Contract

32.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.

32.2 Within thirty (30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

33. Performance Security

33.1 Within twenty (20) days of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.

33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

34. Corrupt or Fraudulent Practices

34.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed or Procuring Agency-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made thereunder:

a. defines, for the purposes of this provision, the terms set forth below as follows:

i. “corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and

ii. “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non- competitive levels and to deprive the Procuring agency of the benefits of free and open competition;

b. will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

c. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government-financed contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government-financed contract.

34.2 Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions of Contract.

35. Integrity Pact

35.1 The bidder shall sign and stamp the Integrity Pact provided in the “Sample Forms” Section of these bidding documents for all Provincial Government procurement contracts. Failure to such Integrity Pact shall make the bidder non-responsive

Part One - Section II
General Conditions of Contract

General Conditions of Contract

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

a. “The Contract” means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

b. “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

c. “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.

d. “The Services” means those services ancillary to the supply of the 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 Supplier covered under the Contract.

e. “GCC” means the General Conditions of Contract contained in this section.

f. “SCC” means the Special Conditions of Contract.

g. “The Procuring agency” means the organization purchasing the Goods, as named in SCC.

h. “The Procuring agency’s country” is the country named in SCC.

i. “The Supplier” means the individual or firm supplying the Goods and Services under this Contract.

j. “The Project Site,” where applicable, means the place or places named in SCC.

k. “Day” means calendar day.

l. "Envelope" means encrypted electronic file.

2. Application

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

3. Country of Origin

3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and `further elaborated in the SCC or Technical Specifications.

3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of Goods and Services is distinct from the nationality of the Manufacturer / Supplier.

4. Technical Specifications

4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution.

5. Use of Contract Documents and Information; Inspection and Audit by the Government

5.1 The Supplier shall not, without the Procuring agency’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The Supplier shall not, without the Procuring agency’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier’s performance under the Contract if so required by the Procuring agency.

5.4 The Supplier shall permit the Procuring agency to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.

6. Patent Rights

6.1 The Supplier shall indemnify the Procuring agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Procuring agency’s country.

7. Performance Security

7.1 Within twenty (20) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.

7.2 The proceeds of the performance security 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.

7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:

a. a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or

b. a cashier's or certified check.

7.4 The performance security 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 specified otherwise in SCC.

8. Inspections and Tests

8.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency

8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.

8.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Procuring agency.

10. Delivery and Documents

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

10.2 Documents to be submitted by the Supplier are specified in SCC.

11. Insurance

11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) / CFR / CNF / C&F / CPT – Karachi under which risk is transferred to the buyer after having been delivered at consignees end or Karachi Port, hence insurance coverage is sellers responsibility.

12. Transportation

12.1 The Supplier is required under the Contact to transport the Goods to a specified place of destination outside and within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.

13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:

a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;

b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;

c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;

d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

e. training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged for other parties by the Supplier for similar services.

14. Spare Parts

14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

a. such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and

b. in the event of termination of production of the spare parts:

(i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and

(ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months or according to the requirement of extended warranty period after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract. In any case this period shall not exceed six (06) months beyond the warranty expiration period from the date of taking over of goods by the procuring agency, unless specified otherwise in SCC.

15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.

15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

15.6 The provisions of this Clause include all the expenses that the bidder may have to incur for delivery and installation of such replacement parts, material and equipment as are needed for satisfactory operation of the goods at the consignees end.

15.7 During the period of warranty, the bidder shall remedy, at his / her expense all defects in design, material and workmanship that may develop or are revealed under normal use of the goods upon receiving writing notice from the procuring agency; the notice shall indicate in what respect the goods are faulty.

15.8 The bidder shall provide warranty / guarantee for supply of reagents, kits and chemicals, consumables, films and ancillaries for at least 10 years (where applicable).

15.9 The bidder shall remain responsible for providing after sale services even after expiry of warranty / guarantee period and sign a Service Contract including parts or without parts with Procuring Agency for 05 years (minimum). Bidder shall separately quote the price of service contract (in terms of percentage) inclusive of parts and without parts, separately.

15.10 In case of consumable items, reagents, kits, chemicals, films etc. the contractor shall remain responsible for specificity, efficacy & sensitivity with maximum period of expiry as much allowed by manufacturer.

15.11 The Procuring Agency shall promptly notify the Bidder in writing of any claims arising out of this warranty.

15.12 The bidder shall be responsible to ensure the 95% uptime of the machinery / equipment during the warranty period.

16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing,

accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Procuring agency, but in no case later than ninety (90) days after submission of an invoice or claim by the Supplier.

16.4 The currency of payment shall be in Pak. Rupees for Goods supplied from within the Procuring Agency's country on DDP basis **AND** payment shall be made in Foreign Currency trough irrevocable letter of credit (at sight) for Goods supplied from outside the Procuring Agency's country on CFR / CNF/ C&F / CPT Karachi Basis.

17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Procuring agency's request for bid validity extension, as the case may be.

18. Change Orders

18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31, make changes within the general scope of the Contract in any one or more of the following:

a. drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring agency;
b. the method of shipment or packing;
c. the place of delivery; and/or
d. the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.

19. Contract Amendments

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

20. Assignment

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.

21. Subcontracts

21.1 The Supplier shall not be allowed to sublet and award subcontracts under this Contract.

22. Delay in the Supplier's Performance

22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements / Contract Award.

22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt

of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.

22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

23. Liquidated Damages

23.1 Subject to GCC Clause 25, 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 percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

24. Termination for Default

24.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

a. if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or

b. if the Supplier fails to perform any other obligation(s) under the Contract.

c. if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

24.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

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

26. Termination for Insolvency

26.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring agency.

27. Termination for Convenience

27.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency’s convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier’s receipt of notice of termination shall be accepted by the Procuring agency at the Contract terms and prices. For the remaining Goods, the Procuring agency may elect:

a. to have any portion completed and delivered at the Contract terms and prices; and/or

b. to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

28. Resolution of disputes

28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.

29. Governing Language

29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

30. Applicable Law

30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country (Islamic Republic of Pakistan), unless otherwise specified in SCC.

31. Notices

31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.

31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

32. Taxes and Duties

32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc. (excluding GST), incurred until delivery of the contracted Goods to the Procuring agency in case of Delivered Duty Paid (DDP) basis.

Part Two
(Procurement Specific Provisions)

- Invitation for Bids (IFB)
- Bid Data Sheet (BDS)
- Special Conditions of Contract (SCC)
- Schedule of Requirements
- Technical Specifications
- Sample Form
- Eligibility

Part Two - Section I
Invitation for Bids

Invitation for Bids (IFB) / Notice Inviting Tender (NIT)
DUHS/DP/2026/358 Dated 02 November 2026

Dow University of Health Sciences (DUHS), Karachi, invites e-bids through E-Pak Acquisition and Disposable System (EPADS) on a C&F Basis and/or DDP Basis (Excluding GST) from the eligible bidders available on the 'List of Active Taxpayers' of FBR/SRB (whichever is applicable**) for the Procurement of High-Performance Computing (HPC), Network Infrastructure and Cybersecurity Solutions, including Servers, Storage, Switches, Firewalls, Security Software, Licenses and Allied Items & Services** as per SPP Rule-46(2) Single Stage-Two Envelope Procedure. Bidding Documents containing detailed Terms and Conditions can be viewed/downloaded from https://portalsindh.eprocure.gov.pk/#/ **and** https://www.duhs.edu.pk/

Electronic Bids should be submitted through EPADS only. Manual bids will not be received. Interested bidders are required to register themselves on the EPAD System at the link https://sindh.eprocure.gov.pk/#/supplier/registration for submission of electronic bids.

The bids, prepared according to the instructions provided in the bidding documents, must be submitted on EPADS by **24 November 2026 at 11:00 Hrs.** The original instrument of the tender fee of Rs. 2,000/- (non-refundable) and bid security not less than two percent (2%) of the estimated value of the tender for each Lot/Package as per following details:

Lot/Package	Estimated Allocated Amount / Budget	Amount of Bid Security
A	PKR 140 Million	PKR 2,800,000/-
B	PKR 85 Million	PKR 1,700,000/-
C	PKR 17 Million	PKR 340,000/-
D	PKR 55 Million	PKR 1,100,000/-
E	PKR 20 Million	PKR 400,000/-

The prescribed tender fee and bid security must be received by the procuring agency at the "Procurement Directorate at Central Warehouse, Dow University of Health Sciences (Ojha Campus), SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi" before the opening of the e-bids on **24 November 2026 at 11:30 Hrs.**

Note:

a. For any query regarding e-bidding, please contact the Director Procurement Office at Tel: 021-38771111 (Ext. 4433)
b. In case Govt. announces any public holiday or any unfavourable circumstances the tender/bids will be submitted and opened on the next working day, at the same venue and time.
c. The purchaser reserves the right to reject any/all bids under the relevant provisions of SPP Rules 2010.
d. In case of any difficulty, prospective bidders may contact the EPADS Helpline 051-111-137-237 during working days/hours.

Director Procurement
Dow University of Health Sciences, Karachi

Part Two - Section II
Bid Data Sheet

Bid Data Sheet

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

<table>
<tr><th colspan="2">Introduction</th></tr>
<tr><td>ITB 1.1</td><td>Name of Procuring Agency:
Dow University of Health Sciences, Karachi (DUHS)</td></tr>
<tr><td>ITB 1.1</td><td>Project / Scheme / Tender Allocation Amount: PKR. 317.000 million
Lot/Package-wise, estimated allocation of amount/budget break-up:
<table>
<tr><th>Lot/Package</th><th>Estimated Allocation of Amount / Budget</th></tr>
<tr><td>A</td><td>PKR 140 Million</td></tr>
<tr><td>B</td><td>PKR 85 Million</td></tr>
<tr><td>C</td><td>PKR 17 Million</td></tr>
<tr><td>D</td><td>PKR 55 Million</td></tr>
<tr><td>E</td><td>PKR 20 Million</td></tr>
</table></td></tr>
<tr><td>ITB 1.1</td><td>Name of Project/Scheme/Institute/Department:
Department of ICT Directorate, DUHS, Karachi</td></tr>
<tr><td>ITB 1.1</td><td>Name of Contract:
Procurement of High-Performance Computing (HPC), Network Infrastructure and Cybersecurity Solutions, including Servers, Storage, Switches, Firewalls, Security Software, Licenses and Allied Items & Services.</td></tr>
<tr><td>ITB 2.4</td><td>Bids submitted under Joint Venture (JV) / Consortium will not be considered and rejected as ineligible bidder.</td></tr>
<tr><td>ITB 4.1</td><td>Name of Procuring agency:
Dow University of Health Sciences, Karachi (DUHS)</td></tr>
<tr><td>ITB 6.1</td><td>Postal Address:
Procurement Directorate at Central Warehouse, Dow University of Health Sciences (Ojha Campus), SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi.
Phone No. + 92-21-38771111, Ext: 4433.
Email: director.procurement@duhs.edu.pk</td></tr>
<tr><td>ITB 8.1</td><td>Language of the bid shall be ENGLISH.</td></tr>
</table>

<table>
<tr><th colspan="2">Bid Price and Currency</th></tr>
<tr><td>ITB 11.2</td><td>• The price quoted shall be in Pakistani Rupee for the Goods offered within the Procuring Agency's Country on delivered duty paid (DDP) Price (excluding GST).
• The price quoted shall be in foreign Currency for the Goods offered from Outside the Procuring Agency's Country on CFR / C&F / CPT Karachi Basis.
• Price of incidental services, if any, must be included in price of goods</td></tr>
<tr><td>ITB 11.4</td><td>The price shall be fixed during the contract period with the exception of price adjustment authorized in SCC.</td></tr>
<tr><td>ITB 12.1</td><td>• For the Goods offered within the Procuring Agency's Country: the price quoted shall be in Pak Rupees on delivered duty paid (DDP) basis (Excluding GST).</td></tr>
</table>

	• **For the Goods offered from Outside the Procuring Agency's Country:** the price quot**ed shall be in Foreign Currency on CFR / C&F / CPT- Karachi Basis.**

Preparation and Submission of Bids	
ITB 13.3 (d)	**Mandatory Qualification requirements** Please review the following list of requirements/ documents to be enclosed with the Technical Proposal. These are the "MANDATORY REQUIREMENTS/DOCUMENTS", non-submission of any one of the mandatory documents / non-compliance to the any single mandatory provision will lead to disqualification / rejection of the bid.

S#	Mandatory Requirements to be Fulfilled by the Bidders	YES / NO
1.	**PRODUCT EVALUATION**	
1.1	Compliance to the Technical Specifications and Requirements.	
1.2	Item-wise / Feature-wise product compliance / deviation sheet / statement duly signed and stamped must be attached	
1.3	Catalogue / Brochures / technical data sheet (having complete technical specifications of the offered good).	
1.4	The bidder shall be either the Original Equipment Manufacturer **(OEM)**; **or** a bidder holding a **Top-Tier Partnership/Channel Partner status** with the OEM continuously for at least the **last three (03) years** and duly authorized by the OEM or its Regional Office through the prescribed **Manufacturer's Authorization Form (Form-F)**. Documentary evidence substantiating the partnership status and authorization shall be submitted with the bid. Failure to provide the required documentary evidence shall render the bid **non-responsive**.	
2.	**BIDDER EVALUATION**	
2.1	Tender Purchase Receipt / Pay order of Tender Fee.	
2.2	Bid Security of required amount and in prescribed shape. (Must be submitted before the opening of the bids)	
2.3	Bidding Documents (Duly filled, Signed & Stamped by Bidder)	
2.4	Undertaking on stamp paper of Rs. 200/- to the effect that: i. The bidder is neither blacklisted nor suspended by any National / International, including Provincial and Federal Government. ii. Any director or owner of the bidding company is not awarded any punishment from any Court of Law. iii. Bidder has submitted the correct and complete information along with the bid/offer. If any document / information is found forged / engineered / fake / bogus at any stage, the bidder may be declared as Blacklisted in accordance with law and the performance guarantee and payment, if any may be forfeited. (Note: The offers from the bidder whose name have been removed from the blacklist will be accepted)	
2.5	Compliance to bid validity period.	
2.6	Compliance to Delivery Schedule.	
2.7	Compliance to Payment Terms & Conditions.	
2.8	Income Tax & GST/SST Registration (whichever is applicable**)** with Active	

<table>
<tr><th>S#</th><th>Mandatory Requirements to be Fulfilled by the Bidders</th><th>YES / NO</th></tr>
<tr><td></td><td>Taxpayer Status on FBR/SRB website.</td><td></td></tr>
<tr><td>2.9</td><td>Bid Form on Bidder’s Letterhead duly signed and stamped.</td><td></td></tr>
<tr><td>2.10</td><td>Past Performance / Experience:
The Bidder shall have successfully completed, commissioned, and operationalized at least two (02) separate IT projects during the last five (05) years, each involving the deployment of the same quoted brand(s) of major equipment/items offered under the respective Lot/Package.

For each Lot/Package applied for, each completed project must have a contract value equal to or greater than the minimum threshold specified below:

<table><tr><th>Lot/Package</th><th>Value of each Completed Project</th></tr><tr><td>A</td><td>PKR 140 Million</td></tr><tr><td>B</td><td>PKR 85 Million</td></tr><tr><td>C</td><td>PKR 17 Million</td></tr><tr><td>D</td><td>PKR 55 Million</td></tr><tr><td>E</td><td>PKR 20 Million</td></tr></table>The Bidder shall submit documentary evidence comprising:
○ Contract Agreement/Work Order/Purchase Order; and
○ Completion and/or Acceptance Certificate issued by the Client/ Proof of successful commissioning and operational acceptance.</td><td></td></tr>
<tr><td>2.11</td><td>Bidder’s Financial Strength:
The bidder must have an average annual turnover, calculated from the last three (03) financial years of not less than the amount specified against the relevant Lot/Package in the table below.

The bidder must submit duly filed Income Tax Returns (complete) for the said period as documentary evidence for verification of turnover. No other form of proof shall be accepted in this regard.

<table><tr><th>Lot/Package</th><th>Average Annual Turnover</th></tr><tr><td>A</td><td>PKR 280 Million</td></tr><tr><td>B</td><td>PKR 170 Million</td></tr><tr><td>C</td><td>PKR 34 Million</td></tr><tr><td>D</td><td>PKR 110 Million</td></tr><tr><td>E</td><td>PKR 40 Million</td></tr></table></td><td></td></tr>
<tr><td>2.12</td><td>Company Profile</td><td></td></tr>
</table>

TB 14.3 (b)	Spare parts required for **ten (10) years** of operation.
ITB 15.1	The bidder shall furnish a **Bid Security** in an amount not less than **two percent (2%)** of the estimated allocated amount/budget specified for the respective **Lot/Package** in the table below. The Bid Security shall be submitted in the form of a **Call Deposit Receipt (CDR), Bank Draft, or an unconditional and irrevocable Bank Guarantee** issued by a **scheduled bank operating in**

<table>
<tr><td></td><td colspan="3">Pakistan, in favour of Dow University of Health Sciences, Karachi.</td></tr>
<tr><td></td><td>Lot/Package</td><td>Estimated Allocated Amount / Budget</td><td>Amount of Bid Security</td></tr>
<tr><td></td><td>A</td><td>PKR 140 Million</td><td>PKR 2,800,000/-</td></tr>
<tr><td></td><td>B</td><td>PKR 85 Million</td><td>PKR 1,700,000/-</td></tr>
<tr><td></td><td>C</td><td>PKR 17 Million</td><td>PKR 340,000/-</td></tr>
<tr><td></td><td>D</td><td>PKR 55 Million</td><td>PKR 1,100,000/-</td></tr>
<tr><td></td><td>E</td><td>PKR 20 Million</td><td>PKR 400,000/-</td></tr>
<tr><td>ITB 16.1</td><td colspan="3">Bid validity period shall be <u>90 days</u></td></tr>
<tr><td>ITB 18.2 (a)</td><td colspan="3">i. Procurement Directorate at Central Warehouse, Dow University of Health Sciences (Ojha Campus), SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi.
ii. Electronic Bids should be submitted through E-Pak Acquisition and Disposable System (EPADS).</td></tr>
<tr><td>ITB 18.2 (b)</td><td colspan="3">Name of Contract:
Procurement of High-Performance Computing (HPC), Network Infrastructure and Cybersecurity Solutions, including Servers, Storage, Switches, Firewalls, Security Software, Licenses and Allied Items & Services.

IFB/NIT No: DUHS/DP/2026/358 Dated 02 November 2026.</td></tr>
<tr><td>ITB 19.1</td><td colspan="3">Electronic Bids should be submitted through E-Pak Acquisition and Disposable System (EPADS)
Deadline for bid submission:
Date: 24 November 2026
Time: upto 11:00 Hrs.</td></tr>
<tr><td>ITB 21.3</td><td colspan="3">All supporting documents pertaining to the Mandatory Bidder’s Qualification and Evaluation Criteria, as required under these Bidding Documents, must be uploaded exclusively on the SPPRAL (EPADS) portal. No clarification or document submitted in any other form or medium will be accepted or entertained after the opening of bids on EPADS.</td></tr>
<tr><td>ITB 22.1</td><td colspan="3">Date, Time and Place of Bid Opening
Date: 24 November 2026
Time: 11:30 Hrs.
Place: Procurement Directorate at Central Warehouse, Dow University of Health Sciences (Ojha Campus), SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi.</td></tr>
<tr><td>ITB 24.5</td><td colspan="3">Bidders shall provide firm, clear, and unconditional responses in their bids. The use of vague, ambiguous, or conditional expressions such as “subject to,” “may be,” “between this and that,” or any similar terminology is strictly prohibited and may result in the bid being declared non-responsive in accordance with the applicable procurement rules.</td></tr>
</table>

Bid Evaluation	
ITB 25.4	Criteria for bid evaluation.

i. **Technical Bids / Proposals Evaluation:**

b. The bids not responsive to the MANDATORY QUALIFICATION CRITERIA provided at ITB Clause 13.3(d) shall not be eligible for further Evaluation.

c. Joint Venture / Consortium Bids, Vague Bids, Ambiguous Bids, Conditional Bids, Telegraphic Bids, Bids not accompanied by Bid Security of required amount and form, bids received after specific date and time and bids of Blacklisted firms shall be treated as rejected / non-responsive (The offers from the bidder whose name have been removed from the blacklist will be accepted).

d. Alternative bids shall not be allowed.

e. The bids shall be evaluated and compared on a complete Lot / Package / Group basis only, as specified in Section V – Technical Specifications. Partial or incomplete bids covering limited item(s) within a Lot / Package / Group shall not be considered and shall be rejected as non-responsive.

f. DUHS may reject the bid/or part of it if previous experience in terms of supplies and service is not satisfactory.

i. **Financial Bids / Proposal Evaluation:**

a. Financial Bids/Proposals of only technically qualified bidders meeting the eligibility criteria shall be opened and considered for the further evaluation.

b. Bids not accompanied by the Bid Security of the required amount and form shall be rejected.

c. Procuring Agency shall not be responsible for any erroneous calculation of taxes and all differences arising out shall be fully borne by the Successful Bidder.

d. The bidder whose offered rate is found lowest amongst other technically qualified bidders shall be considered for acceptance of the offer provided that it fulfils the prescribed terms and conditions of the tender.

e. The price shall be converted into Pakistani Rupees to compare bids quoted in different currencies. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bids, as notified by the National Bank of Pakistan (NBP) / State Bank of Pakistan (SBP).

Contract Award	
ITB 29.1	The Procuring Agency reserves the right to drop any item and/or to increase or decrease the quantity of goods, up to **fifteen percent (±15%)** of the originally specified quantity, without any change in unit price or other terms and conditions of the contract.
ITM 32.1	Successful Bidder and the Procuring Agency will sign the Contract Agreement on the stamp paper with stamp duties as per the article 22-A (Contract) of the schedule of Stamp Act 1899. The expenditure involved on the said contract agreement will be borne by the bidder.

Part Two - Section III
Special Conditions of Contract

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 General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Procuring agency is: Dow University of Health Sciences, Karachi.

GCC 1.1 (h)—The Procuring agency's country is: Islamic Republic of Pakistan

GCC 1.1 (i)—The Supplier is: _____
[Name and Address of the Bidder]

2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Government-Financed Procurement".

3. Technical Specifications (GCC Clause 4)

The technical specifications of the goods provided in this bidding document are only for widest possible competition and not for favor any single contractor or supplier nor put others at a disadvantage. However, the brand name, catalogue No. / Name etc., if any, has only been used for the reference purpose. Equipment offered **"ATLEAST EQUIVALENT OR HAVING BETTER TECHNICAL SPECIFICATIONS"** shall also be considered.

4. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be Five (5%) percent of the Contract Price in favor of Dow University of Health Sciences, Karachi.

5. Packing (GCC Clause 9)

GCC 9.2—The following SCC shall supplement GCC Clause 9.2:
The packing, marking and documentation within and outside the packages shall be as per manufacturer standards meeting the safety requirements of the goods.

6. Delivery and Documents (GCC Clause 10)

GCC 10.2—***For Goods supplied from within the Procuring Agency's country:*** The Bidder shall provide the following documents at the time of delivery of goods to the Store / Warehouse of the Dow University of Health Sciences, Karachi for verification duly completed in all respects:

i. Original copies of Delivery Note (Delivery Challan) (in duplicate) showing item's description, make, model, quantity as well as Lot Number, Batch Number, Registration Number, manufacturing and expiry dates (if applicable).

ii. Original copies of the Bidder's invoices (in duplicate) showing warranty, item's description, make, model as well as Lot Number, Batch Number, Registration Number, manufacturing and expiry dates (if applicable) per unit cost, and total amount.

iii. Original copies of the Sales Tax Invoices (where applicable) in duplicate showing item's description, quantity, per unit cost without Sales Tax, amount of Sales Tax and total amount with Sales Tax.

iv. Manufacturer's or Bidder's warranty certificate.

v. Inspection certificate issued by the nominated inspection committee / Bidder's factory inspection report.

vi. Certificate of origin.

vii. Operator manual, technical and service manual, software, spare parts catalogue and price list must be provided with the equipment.

GCC 10.2—***For Goods supplied from abroad as per INCOTERM CFR / CNF/ C&F / CPT Karachi:*** Upon shipment, the Supplier shall notify the Procuring agency the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail / submit the following documents to the Procuring agency at least one week prior to arrival of the Goods at the port or place of arrival and, if not received, the Bidder will be responsible for any consequent expenses.:

(i) copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
(ii) original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
(iii) copies of the packing list identifying contents of each package;
(iv) insurance certificate;
(v) Manufacturer's or Supplier's warranty certificate;
(vi) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and
(vii) certificate of origin.

7. Insurance (GCC Clause 11)

GCC 11.1— ***For Goods supplied from within the Procuring Agency's country:*** The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers' responsibility. Since the Insurance is seller's responsibility they may arrange appropriate coverage.

GCC 11.1— ***For Goods supplied from abroad as per INCOTERM CFR / CNF/ C&F / CPT Karachi:*** The Goods supplied under the Contract shall be ***INCOTERM CFR / CNF/ C&F / CPT Karachi*** under which risk is transferred to the buyer after the goods reached at Karachi port, hence insurance coverage / marine cover note is sellers responsibility. Since the Insurance / marine cover is seller's responsibility they may arrange appropriate coverage.

8. Spare Parts (GCC Clause 14)

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable, spares parts (including X-ray tube, detector, Probes, Lamps, Lens, coils, battery etc.) for the Goods. Other spare parts and components if not in stock shall be supplied as promptly as possible, but in any case, within 4 weeks of placing the order on DDP basis and in case of import of part within 6 weeks after opening the letter of credit. All spares during warranty period must be supplied from stock, and if part is not in stock and requires import, that a loner equipment must be provided. Spare parts/accessories/consumables must be supplied for at least 10 years after successful installation, and if the product is discounted before 10 years, upgrade latest equipment must be provided at 50% of the market value.

9. Warranty (GCC Clause 15)

GCC 15.2—In partial modification of the provisions, the warranty period shall be twelve (12) months or as per the extended warranty period from the date of acceptance of the Goods with 95% uptime during warranty and contract period covering service and spare parts (including X-ray tube, detector, Probes, Lamps, Lens, battery, Coils etc.). The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. During warranty/contract period, preventative maintenance, Installation qualification, operational qualification, QA/QC must be done as per manufactures checklist and guideline by trained personal. Response time during warranty and contract period would be 4 hours of less, and resolution time should not increase 7 days for any instance. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

(a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with GCC 8;

or

(b) pay liquidated damages to the Procuring agency with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be 0.5% per week or part thereof the total amount of contract;

or

(c) Increase the warranty/ contract period, free of cost by 5 times.

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is 7 days or earlier.

GCC 15.9— **The bidder shall separately quote the price of service contract inclusive of parts and without parts for the period defined in the bid data sheet at clause ITB 14.3(b) in term of %age for quote equipment value.**

10. Payment (GCC Clause 16)

GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

i. For Goods supplied from within the Procuring Agency's country:

(a) Payment shall be made in Pak Rupees.

(b) 100% of the Contract Price on complete delivery of store within ninety (90) days on submission of claim supported by acceptance certificate from procuring agency declaring Goods have been delivered and that all contracted services have been performed.

(c) Part payment on part supply may be allowed

OR

ii. For Goods supplied from outside the Procuring Agency's country:

(a) Payment shall be made in Foreign Currency.

(b) The Procuring Agency shall pay the Bidder or its Principal through irrevocable letter of credit (at sight) opened in favor of the Bidder or its Principal in a bank in its country, upon submission of all the requisite documents.

(c) Bidder will bear the insurance charges and all the additional bank charges inside and outside the Procuring Agency country on account of confirmation of L/C, subject to the approval of procuring agency, if he desires to establish a confirmed L/C etc.

11. Prices (GCC Clause 17)

GCC 17.1— No price adjustment shall be permissible except in the event of changes in statutory taxes, duties, or exemptions under the applicable laws.

12. Liquidated Damages (GCC Clause 23)

GCC 23.1—In case deliveries are not completed within the time frame specified in the schedule of requirements / contract award, a Show Cause Notice will be served on the Bidder which will be following by cancellation of the Contract to the extent of non-delivered portion of installments. No supplies will be accepted and the amount of Performance Guarantee / Security to the extent of non-delivered portion of supplies of relevant installments will be forfeited. If the firm fails to supply the whole installments, maintenance the entire amount of Performance Guarantee/Security will be forfeited and the firm will be blacklisted at least for two years for future participation in bids:

The liquidated damage shall be 0.5 % per week or part thereof. The maximum amount of liquidated damages shall be 10% of the amount of contract. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the Procuring Agency shall rescind the contract, without prejudice to other courses of action and remedies open to it.

13. Resolution of Disputes (GCC Clause 28)

GCC 28.1—The dispute resolution mechanism to be applied pursuant to GCC Clause
28.2 shall be as follows:
In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the SPP Rules, 2010 (Amended upto date).

14. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be ENGLISH

15. Applicable Law (GCC Clause 30)

GCC 30.1-The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:

15.1 The Employment of Children (ECA) Act 1991

The Bonded Labour System (Abolition) Act of 1992 The Factories Act 1934

16. Notices (GCC Clause 31)

GCC 31.1—***Procuring agency's address for notice purposes:***

Procurement Directorate at Central Warehouse,
Dow University of Health Sciences
(Ojha Campus), SUPARCO Road,
off Main University Road, Gulzar-e-Hijri,
Scheme No. 33, Karachi.
Phone No. + 92-21-99261497
Email: director.procurement@duhs.edu.pk

Supplier's address for notice purposes:

Name of Bidder: _____

Name of Contact Person & Designation: _____

Phone No. _____

Fax No. _____

Mobile Phone No. _____

Email Address _____

Part Two - Section IV
Schedule of Requirements

Schedule of Requirements

S#	Description of Goods	Qty.	Required Delivery Schedule	Location
01.	As per the details of items attached in **Section V – Technical Specifications**		**Delivery of Goods:** within 03 months or earlier from the date of Contact Award/ Establishment of Irrevocable Letter of Credit (at sight) **Installation, Configuration, Integration, Testing and Commissioning:** 30 days or earlier	Ojha Campus of Dow University of Health Sciences, Karachi.

Part Two - Section V
Technical Specifications

Technical Specifications

LOT / PACKAGE – A

Item No 1: High-Performance Compute Server with Storage

ITEM No 1.1	Server Hardware (DELL/HP or Equivalent)	Qty. 02 Nos.

S#	Name of Goods, Technical Description, Specifications and Standards
1	Must be 2U rack mount
2	Chassis should have minimum 8 HDD support
3	System should be capable enough to support 2 CPU
4	2 x Intel® Xeon® 6, 2.5GHz, 32C/64T, 24GT/s, 288MB Cache, Turbo, HT (250W) DDR5-6400 or Higher
5	Heatsink for 2 CPU configuration
6	08 x 64GB RDIMM, 6400MT/s, Dual Rank
7	Enterprise level management software
8	2 x dual port 25Gb network cards (with compatible DAC Cables, mentioned in 1.2.1)
9	No Operating System
10	Dual Redundant 960GB NVME M.2, Raid 1
11	Dual Redundant power supply (must provide complete redundancy to keep Server operational at full load during failure of single power)
12	2 x C13/C14 power cords (Minimum 2-Meter), Rack Mount Kit & Cable Management Arm
13	Must provide Manufacturer Authorization Letter for the quoted product
14	3 Years 24 x 7 Warranty & Support services
15	Firmware security: system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable. Should maintain repository for firmware and drivers' recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware
16	Server must include TPM 2.0
17	Quoted servers should be certified for following Operating Systems: MS Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), VMware ESXi, Oracle Linux and Oracle VM
18	Quoted brand must be ranked in "Leaders" category by Gartner in related Category, anytime during last fifteen years.

ITEM No 1.2	Unified Enterprise Data Backup & Protection Storage	Qty. 01 No.

S#	Name of Goods, Technical Description, Specifications and Standards
1	The proposed storage should provide a minimum of 130 TB usable storage capacity dedicated for PACS (Picture Archiving and Communication System) protected/fault tolerant data backup storage fully redundant solution.
2	In addition, the storage should also include 50 TB usable File-level backup storage capacity for data protection and retention purposes.
3	The proposed solution must include integrated backup software licenses, enabling automated backup, recovery, scheduling, retention management and monitoring without requiring any additional third-party backup software.
4	Must be able to provide Enterprise backup and recovery for virtual machines, databases, physical servers and NAS data (where required).
5	Proposed storage must offer native enterprise NAS services for unstructured data and departmental shares (SMB/NFS), delivered directly from the scale-out platform.
6	Immutable storage for backups and file snapshots with platform-enforced protection against ransomware and malicious deletion. Once retention is applied, data must not be altered or deleted by any user, administrator or malware process.

S#	Name of Goods, Technical Description, Specifications and Standards
7	Must support high performance and scalability through scale-out clustered architecture (non-disruptive expansion). Centralized management, reporting, automation and auditability across protection and file services.
8	Cyber resilience and data intelligence license for full capacity (i.e. 130TB +50TB) including threat scanning for investigations and compliance is required. Anomaly detection for unusual change rates, mass rename/delete patterns, encryption-like activity and suspected ransomware events.
9	The solution must be able to provide backup, recovery, indexing/catalog, NAS services, snapshots, deduplication/compression, immutability, encryption & cyber-resilience.
10	All backup snapshots and file share snapshots must be stored immutably using a non-overwriting, append-only format. Immutability must be enforced by the platform filesystem.
11	Support for air-gapped or logically isolated copies of critical datasets under separate security, access and retention controls.
12	A solution must also be proposed for minimum 50TB useable protected data capacity, which must support storage of immutable backup copies for selected critical workloads up to 50TB.
13	The solution must support policy-based copy of selected backup data into the cyber vault.
14	The offered solution must provide logical isolation / virtual air-gap from production and primary backup environments. Should also support secure recovery from the vault to the original location or an alternate recovery location.
15	2 x Redundant dual port 25Gb network cards per controller (with compatible DAC Cables, mentioned in 1.2.1)
16	Dual power supply
17	2 x C13/C14 power cords (Minimum 3-Meter), Rack Mount Kit & Cable Management Arm
18	Must provide Manufacturer Authorization Letter for the quoted product
19	3 Years 24 x 7 Warranty & Support services
20	The quoted brand shall be ranked in “Leaders” category by Gartner in Backup and Data Protection Platforms.

Item No 2: TOR Network Switches

ITEM NO. 2.1	Network Switches	Qty. 02 Nos.

S#	Name of Goods, Technical Description, Specifications and Standards
1	24x10/25GbE SFP+/SFP28, 4x100GbE Ports or higher (plus additional ports & DAC cables for stack)
2	Dual redundant AC Power Supply
3	PSU to I/O Ports Panel (Rear-to-Front) airflow
4	Must have Switching Capacity: 2 Tbps (full duplex) or higher
5	Must have Throughput: 1200mpps or higher
6	3 Meter Power cord C13/14
7	Must have advanced features: SSHv2, TACACS+, SNMP-V3,
8	Support all the L2 and L3 standard protocols and Jumbo frames
9	Layer 3 or any other required license (if any)
10	5-Years Next Business Day Warranty Support services
11	Must provide Manufacturer Authorization Letter for the quoted product

ITEM NO. 2.2	SFP28 Direct Attached Cables 3m	Qty. 20 Nos.

ITEM NO. 2.3	SFP28 Direct Attached Cables 5m	Qty. 04 Nos.

ITEM NO. 2.4	QSFP28 Direct Attached Cables 1m	Qty. 02 Nos.

ITEM NO. 2.5	QSFP28 Direct Attached Cables 5m	Qty. 02 Nos.

ITEM NO. 2.6	SFP+ Optical Fiber Modules (with Patch cords 10m)	Qty. 08 Nos.

ITEM NO. 2.7	QSFP28 Optical Fiber Modules (with Patch cords 5m)	Qty. 04 Nos.

ITEM NO. 2.8	SFP28 Optical Fiber Modules (with Patch cords 5m)	Qty. 16 Nos.

MANDATORY TECHNICAL REQUIREMENTS
(NON-COMPLIANCE TO ANY REQUIREMENT SHALL LEAD TO REJECTION OF BIDS)

S#	Name of Goods / Services / Requirement, Technical Description, Specifications and Standards
1.	Bidder must Quote 3 Years SNS with mentioned Principal Technical support for all software and services issues.
2.	Prices of each and every item / component must be quoted separately.
3.	Onsite Configuration & Installation, Operation, maintenance & managed services of all above-mentioned systems / solution will be the responsibility of the supplier for 3 years, without any additional cost.
4.	DUHS IT team will be made part of deployment and integration of the software / hardware.
5.	The end user licenses, end user warranties and end user contracting support services will be in the name of Customer i.e. Dow University of Health Sciences, for all the equipment and Software loaded on the equipment delivered.
6.	Selected Bidder will be responsible for the supply, Installation, configuration integration, testing and commissioning of supplied equipment and components at DUHS designated sites as per requirement. At the time of installation and commissioning, selected Bidder must provide comprehensive documentation of Configuration and Manuals etc.
7.	All bidders must quote complete solution, require commissioning the services completely & add/propose and quote separately any item which they deem necessary for proper functioning of the system.
8.	Bidder Must Include Associate & Professional level Product Training with Certification of quoted backup solution for 3 Participants
9.	The successful bidder will be responsible for complete end to end deployment of the solution & also responsible for any Services or Data Migration activity (if require) by arranging additional temporary hardware. The migration activity should be completed with full data integrity in minimum possible downtime.
10.	The solution must deliver resiliency, QoS and centralized management functionality.
11.	All quoted products must have a minimum useful operational life of 5-Years.

LOT / PACKAGE – B

ITEM No 1	Next Generation Firewall with HA (Ojha Campus)	Qty. 02 Nos.

S#	Name of Goods, Technical Description, Specifications and Standards
1	Must Have Minimum 14Gbps NGFW Throughput
2	The proposed NGFW should deliver at least 7 Gbps of documented threat prevention throughput with Threat Prevention, IPS, antivirus, anti-spyware, Zero-Day Malware Protection, DNS Security, file blocking, and logging enabled features enabled
3	The proposed NGFW should support minimum 1.4 million concurrent sessions
4	Must Have Minimum 4 x 1G Ethernet, 8 x 1G/10G SFP/ SFP+ (with 4xSFP and 4xSFP+ modules) and 4 x 25G SFP28 Interfaces (with 2xSFP28 modules)
5	Must Quote Minimum 100 Concurrent Users for SSL VPN
6	Must require no reboot for checking and installing security updates & Must Have Full Features Working Even License Is Expired
7	Proposed NGFW should identify applications regardless of port, SSL/SSH encryption, or evasive techniques employed
8	Must categorize unidentified applications for policy control, threat forensics, or application identification technology development
9	The architecture must ensure that SSL/TLS decryption is not CPU bound, utilizing optimized hardware for scalability along with centralized policy enforcement and future ready interoperability
10	The proposed NGFW should provide protection against unknown threats instantly by embedding Machine Learning in the core of the firewall to provide inline signatureless attack prevention
11	Must be an NGFW which should have NGFW separate management (control) plane and data plane to avoid any disruption to traffic processing while managing the box or generating logs reports; This physical separation must be with a dedicated (and not shared with the forwarding plane) CPU (not cores), memory, interfaces and storage.
12	The proposed device should have integrated traffic shaping functionality (QoS) based on source/destination IP, port, protocol, and application
13	The proposed device must delineate different parts of the application such as allowing Facebook chat but blocking its file-transfer capability
14	The proposed NGFW should support the ability to dynamically and automatically regroup user/s based on security events relating to that user, no manual response needed
15	The proposed NGFW should utilize AI-based in-line malware prevention & the firewall must include a valid subscription for in-line malware protection.
16	The proposed NGFW should use cloud-based Machine Learning processes to push zero-delay signatures and instructions back to the NGFW.
17	The proposed NGFW should have a feature of holding multiple OS images to support resilience and easy roll-backs during the version upgrades
18	The proposed NGFW must provide visibility and the ability to restrict applications using non-standard ports in a single security policy rule
19	The proposed NGFW must be able to provide Machine Learning algorithms for advanced protections & streamlining firewall operations via an AIOps tool which gives up-to-date information about device health and security posture
20	Proposed device must store reports and logs on SSD HDD with minimum 480GB storage.
21	The proposed NGFW should enforce inline, real-time zero-day mitigation for real-time enforcement of new and unknown command and control
22	The proposed NGFW should support creating security policies to prevent credential theft
23	Administrators must not have to apply any trade-off between security and performances, choosing to use in any security profile different versions of signature databases, for IPS & AV with reduced numbers of element
24	The proposed firewall must provide IoT Devices Management, Visibility and Control with a valid IoT security feature subscription/license.
25	Rack Mount Kit

ITEM No 2	Next Generation Firewall with HA (DMC Campus)	Qty. 02 Nos.

S#	Name of Goods, Technical Description, Specifications and Standards
1	Must Have Minimum 9Gbps NGFW Throughput
2	The proposed NGFW should deliver 6Gbps of documented threat prevention throughput with Threat Prevention, IPS, antivirus, anti-spyware, Zero-Day Malware Protection, DNS Security, file blocking, and logging enabled features enabled
3	The proposed NGFW should support minimum 1.3K concurrent sessions.
4	Must Have Minimum 4 x 1G Ethernet, 8 x 1G/10G SFP/ SFP+ & 4 x 10G Interfaces (with 4 SFP+ modules)
5	Must Quote Minimum 100 Concurrent Users for SSL VPN
6	Must require no reboot for checking and installing security updates & Must Have Full Features Working Even License Is Expired
7	Proposed NGFW should identify applications regardless of port, SSL/SSH encryption, or evasive techniques employed
8	Must categorize unidentified applications for policy control, threat forensics, or application identification technology development
9	The architecture must ensure that SSL/TLS decryption is not CPU bound, utilizing optimized hardware for scalability along with centralized policy enforcement and future ready interoperability
10	The proposed NGFW should provide protection against unknown threats instantly by embedding Machine Learning in the core of the firewall to provide inline signatureless attack prevention
11	Must be an NGFW which should have NGFW separate management (control) plane and data plane to avoid any disruption to traffic processing while managing the box or generating logs reports; This physical separation must be with a dedicated (and not shared with the forwarding plane) CPU (not cores), memory, interfaces and storage
12	The proposed device should have integrated traffic shaping functionality (QoS) based on source/destination IP, port, protocol, and application
13	The proposed device must delineate different parts of the application such as allowing Facebook chat but blocking its file-transfer capability
14	The proposed NGFW should support the ability to dynamically and automatically regroup user/s based on security events relating to that user, no manual response needed
15	The proposed NGFW should utilize AI-based in-line malware prevention & the firewall must include a valid subscription for in-line malware protection.
16	The proposed NGFW should use cloud-based Machine Learning processes to push zero-delay signatures and instructions back to the NGFW.
17	The proposed NGFW should have a feature of holding multiple OS images to support resilience and easy roll-backs during the version upgrades
18	The proposed NGFW must provide visibility and the ability to restrict applications using non-standard ports in a single security policy rule
19	The proposed NGFW must be able to provide Machine Learning algorithms for advanced protections & streamlining firewall operations via an AIOps tool which gives up-to-date information about device health and security posture
20	Proposed device must store reports and logs on SSD HDD with min of 240GB storage.
21	The proposed NGFW should enforce inline, real-time zero-day mitigation for real-time enforcement of new and unknown command and control
22	The proposed NGFW should support creating security policies to prevent credential theft
23	Administrators must not have to apply any trade-off between security and performances, choosing to use in any security profile different versions of signature databases, for IPS & AV with reduced numbers of element
24	The proposed firewall must provide IoT Devices Management, Visibility and Control with a valid IoT security feature subscription/license.
25	Rack Mount Kit

ITEM No 3	Advanced Endpoint Protection Threat Detection & Response	Qty. 100 Nos.

S#	Name of Goods, Technical Description, Specifications and Standards
1	The proposed Endpoint Protection solution shall be ranked as a "Leader" in the Gartner® Magic Quadrant™ for Endpoint Protection Platforms (EPP). Documentary evidence shall be provided by the bidder to substantiate compliance with this requirement.
2	The proposed solution must include AI-powered cybersecurity chatbot that helps in investigating, analyzing and responding to alerts.
3	The proposed solution based on gather telemetry must be able to determine if certain indicators signal an ongoing attack, enabling DUHS to take timely prevention, investigation and mitigation actions against targeted attack campaigns.
4	The proposed solution must pinpoint activities to MITRE ATT&CK Tactics and Techniques
5	The proposed solution must provide the ability to execute automated response playbook with the ability to isolate affected endpoint.
6	Must provide layered defense against advanced attacks plus virtual patching for OS/ application vulnerabilities
7	Must detect executable/batch uploads to SMB or network shares, suspicious RDP brute-force attempts and access to administrative shares; allow administrative-share access prevention.
8	Should detect OneDrive, Dropbox, Box, FTP downloads/events and remote application traffic such as VNC and TeamViewer; include FTP/FTPD event detection on Windows, Solaris
9	Must provide application control to identify new/suspicious files and Linux lock-down to block new executables when required.
10	Should be able to detect/alert administrator logins, cleared logs or command history, PowerShell execution, hosts-file changes, root-certificate installation, and Linux removable devices.
11	Must support file-integrity monitoring for critical OS/application files, directories, registry keys/values, and real-time malicious or unexpected changes.
12	Should support Hypervisor integrity monitoring for security and compliance of virtualized systems.
13	Must identify the user and process, launching an executable and block suspicious file hashes on Linux.
14	Must be able to list protected vulnerabilities with relevant CVE and CVSS scores and provide a mechanism to block suspicious web traffic.

MANDATORY TECHNICAL REQUIREMENTS
(NON-COMPLIANCE TO ANY REQUIREMENT SHALL LEAD TO REJECTION OF BIDS)

S#	Name of Goods / Services / Requirement, Technical Description, Specifications and Standards
1.	Must Quote 3 Years Security Features License.
2.	Must Quote 3 Years Software Upgrade & 24x7 Technical Support.
3.	Must Quote 3 Years SNS & Hardware Warranty Service.
4.	The proposed Next-Generation Firewall (NGFW) shall be an enterprise-grade product and shall be ranked among the Leaders Category in the Gartner Magic Quadrant for the Enterprise Network Firewalls category in the most recent report available as of the bid submission deadline. Documentary evidence shall be provided by the bidder to substantiate compliance with this requirement.
5.	Prices of each and every item / component must be quoted separately.
6.	Onsite Configuration & Installation, Operation and maintenance of all above-mentioned systems / solution will be the responsibility of the supplier for 3 years, without any additional cost.
7.	DUHS IT team will be made part of deployment and integration of the software / hardware.
8.	The end user licenses, end user warranties and end user contracting support services will be in the name of Customer i.e. Dow University of Health Sciences, for all the equipment and Software loaded on the equipment delivered during the course of the project.

S#	Name of Goods / Services / Requirement, Technical Description, Specifications and Standards
9.	Selected Bidder will be responsible for the supply, Installation, configuration integration, testing and commissioning of supplied equipment and components at DUHS designated sites as per requirement. At the time of installation and commissioning, selected Bidder must provide comprehensive documentation of Configuration and Manuals etc.
10.	Bidder must quote complete solution, require commissioning the services completely & add/propose and quote separately any item which they deem necessary for proper functioning of the system.
11.	Bidder Must Include Associate & Professional level Product Training with Certification For 3 Participants

LOT / PACKAGE – C

ITEM No 1	Privilege Access Management (PAM)

S#	Name of Goods, Technical Description, Specifications and Standards
1	The proposed PAM solution shall be recognized by at least one internationally recognized analyst firm (Gartner, Forrester or equivalent) in the Privileged Access Management (PAM) market within the last five (5) years.
2	Proposed solution must work without the need for the administrator to install agents on systems that need to be protected by the PAM solution.
3	Must provide support for recording and auditing of privileged users sessions (commands and performed actions) enabling the security functions of non-repudiation of the actions performed & all activities records must be searchable via available search text box.
4	Proposed solution should support implementation in the cloud platforms like Amazon Web Services (AWS), Google Cloud Platform (GCP) & Microsoft Azure. It should also support virtual environments: Kernel-based Virtual Machine (KVM), Microsoft Hyper-V, OpenStack, VMware vSphere, and the hardware platform as well.
5	Proposed solution should be delivered as a unified System, with no need to install on a specific OS. The entire System should be supported, both the OS and application layer.
6	The solution should provide comprehensive protection privileged database access for at least Five DUHS Databases, including credential management, activity monitoring, auditing, session management and reporting capabilities for supported database platforms (MS SQL, Oracle, MySQL etc).
7	The solution must provide native support for privileged access using SSH, RDP, VNC, TELNET, and other supported administrative protocols. Communications between privileged users and protected systems shall be securely brokered, proxied or controlled through the PAM solution, with full monitoring and audit capabilities.
8	For non-native protocols, the PAM solution shall provide secure access through a managed jump Server or published application. Users shall only access the authorized application while the target system, credentials and network details remain hidden. All sessions shall be audited and recorded.
9	Must be able to assign administrative, user, auditor access rights based on profiles settings.
10	Must provide Real-time connection monitoring, including the possibility of viewing the session in real time with the possibility of its immediate termination.
11	User profile configuration should include the ability to filter incoming connections based on the source IP address. Thus, creating access control lists (ACLs) for users with an assigned user profile.
12	Proposed solution should allow to define the access policy by assigning a selected group of users to the indicated group of target systems.
13	Must be able to set access through a web portal, browser, at least for SSH and RDP sessions, without the need to install a dedicated plug-in in the browser.
14	Proposed solution enables integration with Microsoft Active Directory without the need to synchronize user's information. This means that an Active Directory user added to a user group automatically, at the same time is recognized by the PAM solution.
15	The solution shall provide controls to prevent unauthorized lateral movement from managed target systems during privileged sessions, including the ability to restrict or control outbound network connections, launch of remote administration tools & access to unauthorized systems.
16	The solution should provide real-time monitoring capabilities for privileged sessions, including SSH, RDP, and supported database access sessions. The solution shall allow administrators to define Regular Expression (Regex) patterns or equivalent policy-based rules to detect prohibited commands, administrative actions, or suspicious activities. Upon detection, the solution shall be capable of generating alerts, notifications, blocking the activity, or terminating the session.
17	The solution shall support integration with enterprise AV, EDR, DLP, SIEM or malware inspection platforms through industry-standard integration mechanisms.
18	Supported authentication protocols: RADIUS, Microsoft Active Directory, LDAP, TACACS+.
19	Must offer following **Password Management** Options:

S#	Name of Goods, Technical Description, Specifications and Standards
	• Ability to automatically rotate passwords and SSH keys for specific hosts or groups of accounts. • Ability to create exceptions for automatic passwords and SSH keys. • Create different schedules for automatic password change on target systems. • Generate One-Time Passwords and change them automatically after they are used. • Ability to set different password change policies for different groups of hosts or groups of accounts. • Setting a password validity within a specified period of the time. The solution must enable password change using at least REST API.
20	Must Have Minimum Support for protecting 400 Targets (Windows Servers, Linux & Management consoles of Active Network Devices like Switches, Routers, Firewalls, other Web based applications & SQL Server DB Applications)
21	The license must allow concurrent access management for 40 privileged users.
22	The license must allow the installation of multiple access portal instances, for example, one instance for access purposes and another for audit purposes.
23	Must be a Virtual Appliance with HA & Disaster Recovery Option
24	Must Include Multi Factor Authentication
25	Must include built-in threat detection and risk assessment tools that identify unusual access patterns and potential breaches.

MANDATORY TECHNICAL REQUIREMENTS
(NONCOMPLIANCE SHALL LEAD TO REJECTION OF BIDS)

S#	Name of Goods / Services / Requirement, Technical Description, Specifications and Standards
1.	Bidder must Quote 3 Years SNS with 24x7 Principal Technical support.
2.	Onsite Configuration / Installation shall be the responsibility of the bidder.
3.	Bidder Must Quote Associate & Professional level Product Training with Certification For 3 Participants.
4.	DUHS at any stage, may decide to remove any item or modify a quantity of any item in above mentioned BoQ or even Cancel complete lot from this tender.
5.	All Licenses should be quoted separately for all required features.
6.	Support for Operation & maintenance of all above-mentioned systems / solution will be the responsibility of the supplier for 3 years, without any additional cost.
7.	All bidders must quote complete solution / Lot, require commissioning the services completely & add/propose and quote separately any item which they deem necessary for proper functioning of the system.
8.	DUHS IT team will be made part of deployment and integration of solution.
9.	The end user licenses, end user warranties and end user contracting support services will be in the name of Customer i.e. Dow University of Health Sciences, for all the equipment and Software loaded on the equipment delivered during the course of the project.

LOT / PACKAGE – D

ITEM No 1	Network Access Controllers (NAC)	Qty. 01+01 Nos.

S#	Name of Goods, Technical Description, Specifications and Standards
1.	NAC Appliance with appropriate licenses for Eight Thousand Concurrent devices at DUHS OJHA Campus, 500+ authentications per minute without performance degradation **(Qty: 01)**
2.	NAC Appliance with appropriate licenses for Four Thousand Concurrent users at DUHS DMC HQ, 250+ authentications per minute without performance degradation **(Qty: 01)**
3.	Proposed Network Access Control (NAC) solution must be an enterprise-class appliance capable of providing centralized visibility, authentication, authorization, endpoint compliance validation and policy-based access control for wired, wireless, VPN and remote users
4.	Proposed solution should be comprising of Physical appliances, suitable for multi-site deployment while achieving HA
5.	Must support IEEE 802.1X, MAC Authentication Bypass (MAB), Web Authentication & Captive Portal standards
6.	Must support user authentication via Microsoft local & Azure Active Directory, LDAP, Local Database, RADIUS, TACACS+, Multi-Factor Authentication (MFA), Certificate Based Authentication & Guest Authentication
7.	Proposed solution must be able to automatically discover PCs, Laptops, Servers, Virtual Machines, Printers, IP Phones, CCTV Cameras, Medical Devices, Biomedical Equipment, IoT Devices, Wireless Controllers, Access Points, Switches and Firewalls
8.	Proposed solution must be able to provide complete endpoint inventory including Username, Computer/ Hostname Name, IP Address, MAC Address, Switch Name, Switch Port, VLAN, Operating System, Device Manufacturer, Device Type, Patch Level, Installed Antivirus, Logged-in User, Compliance Status and Risk Score
9.	Proposed solution must also be able to perform endpoint posture assessment before granting network access. Hence, must be able to verify Operating systems of all end points along with OS Version, Build Version, Patch Level and End of Life Version Detection
10.	Similarly, Antivirus and EDR complete information & verification must be assessed completely by proposed NAC solution with respect to installation & running status along with verifying if operational using latest updated signature database
11.	Must also be able to verify missing Windows Patches and security updates
12.	Proposed solution must also be able to detect plugging of USB Storage & other unauthorized USB Devices while having ability to allow, block or audit/log a usage.
13.	Must also be able to detect Unauthorized Software like Torrent Applications, Hacking Tools, Password Crackers, Remote Administration Tools & Unauthorized VPN Clients
14.	Should be able to verify/validate Registry Keys, Running Processes, Services, Files Certificates
15.	Should be able to provide Dynamic Access Control by auto assign VLAN, Security Group, Access Profile, User Role and QoS Policy on the basis of User, Device, Department, Location, Time, Endpoint Health & Risk Score
16.	Proposed solution must include Guest Access mechanism via Guest Portal, Self Registration, Sponsor Approval, SMS OTP, Email OTP, QR Code and Temporary Credentials with Expiry Policy
17.	Should also include with BYOD policy enforcement after self-device/mobile registration and enrollment and should also support via certificate
18.	Must be able to automatically isolate Infected, Non-compliant and Unknown Devices and dynamically assign quarantine or remediation VLANs with limited Internet access or only Update server access.
19.	Must support Native integration with SIEM and SOAR Platforms, Firewalls, Wireless Controllers, Switches, Endpoint Security, Vulnerability Scanners, MDM and PAM Solutions
20.	Generation of Customized reports on basis of Connected Devices, Compliance Status, Failed Authentication, Unauthorized Devices, Guest Users, Endpoint Health, Security Violations, Audit Logs and User Sessions, which must be exportable in PDF, Excel & CSV
21.	Support alerts generation through Email, SMS, Syslog, SNMP Traps and REST API
22.	Support for multiple campuses, hospitals and remote sites under centralized management.

S#	Name of Goods, Technical Description, Specifications and Standards
23.	Minimum 10 years of searchable audit and compliance logs (subject to storage space availability at DUHS).

MANDATORY TECHNICAL REQUIREMENTS
(Non-compliance to any requirement shall also lead to rejection of bids)

S#	Name of Goods / Services / Requirement, Technical Description, Specifications and Standards
1.	Bidder must Quote 3 Years SNS with mentioned Principal Technical support for all software and services issues.
2.	DUHS at any stage, may decide to remove any item or modify the quantity of any item in above mentioned BoQ or even Cancel complete tender. Therefore, must quote prices for each and every COMPONENT individually.
3.	Onsite Configuration & Installation, Operation, maintenance & managed services of proposed solution will be the responsibility of the supplier for 3 years, without any additional cost.
4.	DUHS IT team will be made part of deployment and integration of the software.
5.	The end user licenses, end user warranties and end user contracting support services will be in the name of Customer i.e. Dow University of Health Sciences,.
6.	All bidders must quote complete solution, require commissioning the services completely & add/propose and quote separately any item which they deem necessary for proper functioning of the system.
7.	The successful bidder will be responsible for complete end to end deployment of the solution & also responsible for any Services or Data Migration activity (if require) by arranging additional temporary hardware.

LOT / PACKAGE – E

ITEM No. 1	Network Management Solution (NMS)

S#	Name of Goods, Technical Description, Specifications and Standards
1.	The proposed solution must be an enterprise-grade NMS Platform, providing centralized monitoring, visualization, analytics, correlation and management of DUHS ICT infrastructure, applications, cloud services, cybersecurity infrastructure, healthcare information systems and digital services through a single integrated console.
2.	Must be able to provide a centralized inventory of all hardware and software assets across DUHS IT environment. Track asset lifecycle, ownership, dependencies and utilization from deployment to retirement, with built-in license compliance, warranty tracking and asset relationships
3.	The solution must provide full-stack observability covering infrastructure, networks, servers, applications, databases, cloud services, containers, virtualization, user experience and security events.
4.	Virtual Appliance On-premises deployment, with High Availability (HA)
5.	Must be able to monitor WAN Links, MPLS, VPN and Internet Links Network Monitoring for Firewalls, Network Wireless and SD-WAN Controllers, Core, Distribution & Access Switches (**Total Licenses: 300**)
6.	Must also be able to monitor Infrastructure Monitoring for Physical & Virtual Servers, SAN & NAS Storage, UPS, Power Distribution Units and Environmental Sensors **(Total Licenses: 300)**
7.	Supported Server Monitoring for Cloud Services like Microsoft Azure, AWS, Google Cloud as well as on premises Environment based on Windows Server, Linux, Unix, VMware ESXi & Hyper-V and should be able to Monitor CPU, Memory, Disk, File Systems, Services, Processes, Network Utilization, Availability & Performance
8.	Must include Application Performance Monitoring of DUHS Web Applications and provide monitoring on the basis of Application Response Time, Availability, SSL Certificate Expiry Date, Dependencies, Error Rates (**Total Licenses: 50**)
9.	Must provide end-to-end application tracing, dependency mapping and performance analytics. Correlate application behavior with infrastructure health.
10.	Must also include monitoring Support of DUHS Databases like Oracle, Microsoft SQL Server, PostgreSQL, MySQL, MariaDB to Monitor Sessions, Performance, Locks, Replication, Storage, Queries and Wait Events (**Total Licenses: 10**)
11.	Must include IP Address Management, Network Configurations Management & Role Based Access Control features with required licenses.
12.	Must include Centralized log aggregation, parsing and correlation. Search across infrastructure and application logs with unified context.
13.	Must be able to convert raw telemetry into clear, role-based insights for DUHS IT teams and senior management, while creating real-time dashboards, scheduled reports, and executive summaries that highlight performance trends, risks and optimization opportunities across the entire IT environment. Also able to automatically flags deviations from normal operational baselines.
14.	Must include built-in AI support chatbot to simplify network management queries and assist with root-cause analysis, while having a capability to automatically address recognized errors and system vulnerabilities.
15.	Should be able to provide customized dashboards which should be completely tailorable to provide live views of IT landscapes, offering flexible filtering for specific teams.
16.	Proposed product must be built on ISO standards and Vulnerability Assessment and Penetration Testing (VAPT) compliance, while automated checks to ensure IT assets adhere to strict regulatory requirements like GDPR, ISO 27001, and PCI-DSS.
17.	Must include Level-1 Automation with Ticketing System along with Customizable Ticketing workflow management
18.	Must include training & certifications for DUHS IT Team.
19.	The offered solution must be deployed in at least 5 organizations within Pakistan.

MANDATORY TECHNICAL REQUIREMENTS
(Non-compliance to any requirement shall also lead to rejection of bids)

S#	Name of Goods / Services / Requirement, Technical Description, Specifications and Standards
1.	Bidder must Quote 3 Years SNS with mentioned Principal Technical support for all software and services issues.
2.	DUHS at any stage, may decide to remove any item or modify a quantity of any item in above mentioned BoQ or even Cancel complete tender. Therefore, must quote prices for each and every COMPONENT individually.
3.	Onsite Configuration & Installation, Operation, maintenance & managed services of proposed solution will be the responsibility of the supplier for 3 years, without any additional cost.
4.	DUHS IT team will be made part of deployment and integration of the software.
5.	The end user licenses, end user warranties and end user contracting support services will be in the name of Customer i.e. Dow University of Health Sciences.
6.	All bidders must quote complete solution, require commissioning the services completely & add/propose and quote separately any item which they deem necessary for proper functioning of the system.
7.	The successful bidder will be responsible for complete end to end deployment of the solution & also responsible for any Services or Data Migration activity (if require) by arranging additional temporary hardware. The migration activity should be completed with full data integrity in minimum possible downtime.

SPECIAL NOTE FOR ALL LOTS/PACKAGES:

1. **In the event that the offered Goods are manufactured at more than one production facility, the successful Bidder shall, upon issuance of the Letter of Intent (LOI) or Letter of Acceptance (LOA) and prior to signing of the Contract Agreement, provide documentary evidence identifying the actual country of origin and the specific manufacturing facility from which the Goods to be supplied besides the specific port of shipment of the goods. The declared country of origin and port of shipment shall be binding upon the successful Bidder and shall not be changed without the prior written approval of the Procuring Agency.**

2. Demonstration / Site visit must be arranged within 03 days on the request of Dow University of Health Sciences, Karachi (DUHS) for the evaluation of the product.

3. DUHS may reject the bid/or part of it, if previous experience in term of supplies and service is not satisfactory.

4. All parts/accessories/installation/commissioning must be included for complete operation, and all optional parts must be quoted in bid, if not quoted will be considered Free of cost.

5. All accessories and utilities required for commissioning must be provided.

Part Two - Section VI
Sample Forms

A. Bid Form and Price Schedules

NIT / IFB Nº: _____

Date: _____

To: [name and address of Procuring Agency]

Gentlemen and/or Ladies:

Having examined the bidding documents including Addenda Nos. ***[insert numbers],*** the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver ***[description of goods and services]*** in conformity with the said bidding documents for the sum of ***[total bid amount in words and figures]*** or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods ***[insert offered delivery schedule]***.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring agency.

We agree to abide by this Bid for a period of ***[number]*** days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity

(if none, state “none”)

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ 20 _____.

_____
[Signature}

_____
[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

(A) PRICE SCHEDULE IN PAK RUPEES
Delivered Duty Paid (DDP BASIS - EXCLUDING GST)

FOR GOODS OFFERED WITHIN THE PROCURING AGENCY'S COUNTRY

Name of Bidder_____. IFB / NIT Number_____.

S#	Detailed Specification of Goods	Model / Cat No.	Name of Manufacturer	Country of Origin	Quantity of Stores	Unit	Rate Per Unit (Excluding GST)	Total Price (Excluding GST)
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Total Amount in Pak Rs. on DDP Basis (Excluding GST)								

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

NOTE:
In the event that the offered Goods are manufactured at more than one production facility, the successful Bidder shall, upon issuance of the Letter of Intent (LOI) or Letter of Acceptance (LOA) and prior to signing of the Contract Agreement, provide documentary evidence identifying the actual country of origin and the specific manufacturing facility from which the Goods to be supplied besides the specific port of shipment of the goods. The declared country of origin and port of shipment shall be binding upon the successful Bidder and shall not be changed without the prior written approval of the Procuring Agency.

(B) PRICE SCHEDULE IN FOREIGN CURRENCY
(CFR / CNF/ C&F / CPT - KARACHI BASIS)

FOR GOODS OFFERED FROM OUTSIDE THE PROCURING AGENCY'S COUNTRY

Name of Bidder_____. IFB / NIT Number_____.

S#	Detailed Specification of Goods	Model / Cat No.	Name of Manufacturer	Country of Origin	Port of Shipment	Quantity of Stores	Unit	Curr-ency	Rate Per Unit	Total Price
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
Total Amount in Foreign Currency										

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

NOTE:
In the event that the offered Goods are manufactured at more than one production facility, the successful Bidder shall, upon issuance of the Letter of Intent (LOI) or Letter of Acceptance (LOA) and prior to signing of the Contract Agreement, provide documentary evidence identifying the actual country of origin and the specific manufacturing facility from which the Goods to be supplied besides the specific port of shipment of the goods. The declared country of origin and port of shipment shall be binding upon the successful Bidder and shall not be changed without the prior written approval of the Procuring Agency.

B. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called "the Bidder") has submitted its bid dated *[date of submission of bid]* for the supply of *[name and/or description of the goods]* (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called "the Bank"), are bound unto *[name of Procuring agency]* (hereinafter called "the Procuring agency") in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this____ day of_____20_.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or

2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:

   a. fails or refuses to execute the Contract Form, if required; or

   b. fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

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

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

_____

[signature & Seal of the bank]

C. Contract Form

THIS AGREEMENT made the _____ day of _____ 20 _____ between [name of Procuring Agency] (hereinafter called "the Procuring Agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called " the Supplier" of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement 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 Agreement, viz.:

   a) the Bid Form and the Price Schedule submitted by the Bidder;
   b) the Schedule of Requirements;
   c) the Technical Specifications;
   d) the General Conditions of Contract;
   e) the Special Conditions of Contract; and
   f) the Procuring agency's Notification of Award.

3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and 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 Supplier in consideration of the provision of the goods and services 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 Agreement 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)

Signed, sealed, delivered by_____the (for the Supplier)

D. Performance Security Form

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No.*[reference number of the contract]* dated _____20. __ to supply *[description of goods and services] (*hereinafter called "the Contract").

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

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, 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 Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guar- antee]* 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_____ day of_ 20. ___.

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date]

E. Bank Guarantee for Advance Payment

To: *[name of Procuring agency]*

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called "the Supplier") shall deposit with the Procuring agency a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring agency on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring agency and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

_____

[name of bank or financial institution]

_____

[address]

_____

[date]

F. Manufacturer's Authorization Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To:
The [Procuring Agency]
Karachi.

WHEREAS ***[name of the Manufacturer]*** who are established and reputable manufacturers of
[name and/or description of the goods] having factories at ***[address of factory]*** do hereby authorize ***[name and address of Agent]*** to submit a bid, and subsequently negotiate and sign the Contract with you against **IFB No.** ***[reference of the Invitation to Bid]*** for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

We hereby undertake that we will provide the complete after sale services support in case of agency transfer or withdrawn from the bidder and will inform timely of any transition.

Our representative may be reached in need of support,
Name:
Designation:
Email Address:

_____
[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.

G. Integrity Pact (AFFIDAVIT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: _____ Dated: _____

Contract Value: _____

Contract Title: _____

[Name of Supplier/Contractor/Consultant] 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 Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, **[Name of Supplier/ Contractor/ Consultant]** represents and warrants that it has fully declared the brokerage, commission, fees 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 consultation 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 Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

[Name of Supplier/Contractor/Consultant] 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 PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts 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 PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, **[Name of Supplier/Contractor/Consultant]** agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by **[Name of Supplier/Contractor/Consultant]** 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 PA.

_____ _____

[Procuring Agency] **[Supplier /Contractor/Consultant]**

Sample Forms

(FORM A)

HUMAN RESOURCE INCLUDING DETAIL OF TECHNICAL TEAM

S. #	Name	Designation	Contact Number	Posted Location	Date of Joining	Education	Trainings (Equipment, Country)

Note: Supporting Documents must be provided for each employee.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

(FORM B)

SPECIALIZED TESTING AND CALIBRATION TOOLS (if applicable)

S. #	Tool Description	Make	Model	Date of Last Calibration

(FORM C)
MAJOR SPARE PARTS

- It may include a Sensor, PCB, LCD display, Pumps, motors, detectors, Laser and other items recommended by the manufacturer etc.
- Parts such as cables and connectors will not be considered major spare parts.
- Bidders using inventory management software may provide a software-generated list instead of the below format.

S. #	Part Number	Part Description	Make	Model	Qty

(FORM D)

COMPLIANCE SHEET/ TECHNICAL EVALUATION SHEET

Name of the Vendor:

Make/Manufacturer:

Model: **Year of introduction:**

Country of Origin of the Goods:

Country of Manufacturer of the Goods:

Number of units installed in Pakistan:

Use full life as per manufacturer (in Years):

S. #	Tender Specification	Offered Specification	Page # of the supporting Document

Note: Supporting documents must be provided

(FORM - E)

FINANCIAL EVALUATION SHEET

Year	Annual Turnover for the last 3 years Year (PKR)
Year 1	
Year 2	
Year 3	
TOTAL	
Average Turn-over in 3 years	

Financial Information in PKR	Year 1	Year 2	Year 3
Total Assets (TA)			
Total Liabilities (TL)			
Current Assets (CA)			
Current Liabilities (CL)			
Total / Gross Revenue (TR)			

Supporting Document		Yes / No
Income Tax Returns	Year 1	
	Year 2	
	Year 3	

(FORM - F)

LIST OF INSTALLATION / REFERENCE CLIENT

Name of Item:

Model:

Make/Manufacturer:

Country of Origin of the Manufacturer:

Country of Origin of Equipment/Goods:

S. #	Department	Name of Institute	City	Date of Installation	Date of PO / Satisfactory Certificate

Note: Valid documentary evidence must be enclosed.

DAWN

E-PAPER | NOVEMBER 06, 2026

DOW UNIVERSITY OF HEALTH SCIENCES

DUHS/DP/2026/358 **Dated: 02 November, 2026**

NOTICE INVITING TENDER (NIT)

Dow University of Health Sciences (DUHS), Karachi, invites e-bids through E-Pak Acquisition and Disposable System (EPADS) on a C&F Basis and/or DDP Basis (Excluding GST) from the eligible bidders available on the 'List of Active Taxpayers' of FBR/SRB (whichever is applicable) f**or the Procurement of High-Performance Computing (HPC), Network Infrastructure and Cybersecurity Solutions, including Servers, Storage, Switches, Firewalls, Security Software, Licenses and Allied Items & Services** as per SPP Rule-46(2) Single Stage-Two Envelope Procedure. Bidding Documents containing detailed Terms and Conditions can be viewed/downloaded from **https://portalsindh.eprocure.gov.pk/#/** and **https://www.duhs.edu.pk/**

Electronic Bids should be submitted through EPADS only. Manual bids will not be received. Interested bidders are required to register themselves on the EPAD System at the link **https://sindh.eprocure.gov.pk/#/supplier/registration** for submission of electronic bids.

The bids, prepared according to the instructions provided in the bidding documents, must be submitted on EPADS by **24th November, 2026** at **1100 Hrs**. The original instrument of the tender fee of **Rs. 2,000/-** (non-refundable) and bid security not less than two percent (2%) of the estimated value of the tender for each Lot/Package as per following details:

Lot/Package	Estimated Allocated Amount / Budget	Amount of Bid Security
A	PKR 140 Million	PKR 2,800,000/-
B	PKR 85 Million	PKR 1,700,000/-
C	PKR 17 Million	PKR 340,000/-
D	PKR 55 Million	PKR 1,100,000/-
E	PKR 20 Million	PKR 400,000/-

The prescribed tender fee and bid security must be received by the procuring agency at the "Procurement Directorate at Central Warehouse, Dow University of Health Sciences (Ojha Campus), SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi" before the opening of the e-bids on **24th November, 2026** at **1130 Hrs**.

Note:

a. For any query regarding e-bidding, please contact the Director Procurement Office at Tel: 021-38771111 (Ext. 4433)

b. In case Govt. announces any public holiday or any unfavourable circumstances the tender/bids will be submitted and opened on the next working day, at the same venue and time.

c. The purchaser reserves the right to reject any/all bids under the relevant provisions of SPP Rules 2010.

d. In case of any difficulty, prospective bidders may contact the EPADS Helpline 051-111-137-237 during working days/hours.

Director Procurement
Dow University of Health Sciences, Karachi

www.duhs.edu.pk
Babar-e-Urdu Road, Karachi - 74200 Pakistan
Tel: 021-99216065 Fax: 021-99216065


ہفتہ 26 ربیع الاول 1448ھ 7 نومبر 2026ء

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روزنامہ جنگ کراچی

بانی میر خلیل الرحمٰن

جلد 90 | ہفتہ 26 ربیع الاول 1448ھ 7 نومبر 2026ء | نمبر 305

SATURDAY NOVEMBER 7, 2026

DOW UNIVERSITY OF HEALTH SCIENCES

آئی ایف بی نمبر: DUHS/DP/2026/358 تاریخ: 02 نومبر 2026

بولیاں مطلوب ہیں

ڈاؤ یونیورسٹی آف ہیلتھ سائنسز (ڈی یو ایچ ایس) کراچی کو ای پاک ایکیوزیشن اینڈ ڈسپوزل سسٹم (EPADS) کے ذریعے ڈی ڈی پی یا/اور سی اینڈ ایف کی بنیاد پر (بغیر جی ایس ٹی) بائی پر فارمنس کمپیٹنگ (ایچ پی سی)، نیٹ ورک انفراسٹرکچر اور سائبر سکیورٹی سلوشنز بمع سروررز، اسٹوریج، سوئچز، فائروالز، سکیورٹی سافٹ ویئر، لائسنسز اور ملحقہ اشیاء اور سروسز کے حصول کیلئے بمطابق ایس پی پی رول 46(2) سنگل اسٹیج دو لفافہ کے طریقہ کار کے ذریعے اہل بولی دہندگان سے جو ایف بی آر/ایس آر بی کی ایکٹیو ٹیکس ریٹر فہرست میں شامل ہوں (ان میں سے جو بھی قابل اطلاق ہو) ای بولیاں مطلوب ہیں۔ تفصیلی شرائط و ضوابط پر مشتمل بولی کی دستاویزات https://portalsindh.eprocure.gov.pk/#/ یا https://duhs.edu.pk پر دیکھی / ڈاؤن لوڈ کی جاسکتی ہیں۔

الیکٹرانک بولیاں صرف EPADS کے ذریعے جمع کرائی جائیں۔ دستی بولیاں وصول نہیں کی جائیں گی۔ دلچسپی رکھنے والے بولی دہندگان کیلئے الیکٹرانک بولی جمع کرانے کیلئے لنک https://sindh.eprocure.gov.pk/#/supplier/ registration کے ذریعے ای پیڈ سسٹم پر رجسٹر ہونا ضروری ہے۔

بولی دستاویزات میں دی گئیں ہدایات کے مطابق تیار کی گئیں بولیاں EPADS پر 24 نومبر 2026 کو صبح 11:00 بجے تک جمع کرائی جائیں۔ اصل ٹینڈر فیس مبلغ -/2,000 روپے (ناقابل واپسی) اور بڈ سکیورٹی مندرجہ ذیل تفصیل کے مطابق ہر لاٹ/پیکج کیلئے کل بولی کی تخمینی قیمت کے 2 فیصد سے کم نہ ہو۔

مجوزہ ٹینڈر فیس اور بڈ سکیورٹی کی وصولی لازماً پروکیورنگ ایجنسی میں یقینی بنائی جائے" پروکیورمنٹ ڈائریکٹوریٹ سینٹرل ورکس، ڈاؤ یونیورسٹی آف ہیلتھ سائنسز (او جھا کیمپس)، سپارکو روڈ، متصل مین یونیورسٹی روڈ، گلزار ہجری، اسکیم نمبر 33، کراچی کو ای بولی کھلنے سے پہلے مورخہ 24 نومبر 2026 کو صبح 11:30 بجے تک پہنچ جائے۔

Lot/Package	Estimated Allocated Amount / Budget	Amount of Bid Security
A	PKR 140 Million	PKR 2,800,000/-
B	PKR 85 Million	PKR 1,700,000/-
C	PKR 17 Million	PKR 340,000/-
D	PKR 55 Million	PKR 1,100,000/-
E	PKR 20 Million	PKR 400,000/-

نوٹ:

ا۔ ای بڈنگ کے حوالے سے کسی بھی سوال یا معلومات کیلئے ڈائریکٹر پروکیورمنٹ آفس سے فون نمبر (021-38771111 Ext.4433) پر رابطہ کریں۔

ب۔ حکومت کی جانب سے تعطیل یا غیر یقینی صورتحال کے سبب ٹینڈر/بولیاں اس کے اگلے ہی روز اسی مقام اور وقت پر جمع کی جائیں گی اور کھولی جائیں گی۔

پ۔ خریدار ایس پی پی رولز 2010 کی متعلقہ دفعات کے تحت کسی بھی یا تمام بولیوں کو مسترد کرنے کا حق محفوظ رکھتا ہے۔

ج۔ کسی بھی دشواری کی صورت میں، بولی دہندگان ایام کار کے دوران EPADS ہیلپ لائن 051-111-137-237 پر رابطہ کر سکتے ہیں۔

ڈائریکٹر پروکیورمنٹ
ڈاؤ یونیورسٹی آف ہیلتھ سائنسز، کراچی۔

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Daily Kawish Hyderabad
Friday, 06 November, 2026
(جلد 37) جمع 06 نومبر 2026ع بمطابق 25 جمادي الاول 1448هـ (شمارو 95) قيمت 40 روپيا

DOW UNIVERSITY OF HEALTH SCIENCES

آئي ايف بي نمبر. DUHS/DP/2026/358 تاريخ: 02 نومبر 2026

واڪ گھربل آھن

ڊائو يونيورسٽي آف هيلٿ سائنسز (ڊي يو ايڇ ايس) ڪراچي کي اِي پاڪ ايڪيوزيشن اينڊ ڊسپوزبل سسٽم (EPADS) جي ذريعي ڊي ڊي پي يا/۽ سي اينڊ ايف جي بنياد تي (جي ايس ٽي ڪانسواءِ) هاءِ پرفارمنگ ڪمپيوٽنگ (ايڇ پي سي)، نيٽ ورڪ انفرااسٽرڪچر ۽ سائبر سيڪيورٽي سلوشنز گڈ سروزِ، اسٽوريج، سوئچز، فائر والز، سيڪيورٽي سافٽ ويئر، لائسنسز ۽ واسطيدار شين ۽ سروسز جي حصول لاءِ بمطابق ايس پي پي رول (2)46 سنگل اسٽيج به لفافو جي طريقيڪار جي ذريعي اهل واڪ ڏيندڙن کان جيڪي ايف بي آر/ايس آر بي جي ايڪٽو ٽيڪس پيئر فهرست ۾ شامل هجن (انهن مان جيڪو به لاڳو ٽيڪ جوگو هجي) اِي واڪ گھربل آھن. تفصيلي شرطن ۽ ضابطن تي مشتمل واڪ جا دستاويز https://portalsindh.eprocure.gov.pk/#/ يا https://duhs.edu.pk تي ڏسي/ڊائون لوڊ ڪري سگھجن ٿا.

اليڪٽرانڪ واڪ صرف EPADS جي ذريعي جمع ڪرايا وڃن. هٿوهٿ واڪ وصول نه ڪيا ويندا. دلچسپي رکندڙ واڪ ڏيندڙن لاءِ اليڪٽرانڪ واڪ جمع ڪرائڻ لاءِ لنڪ: https://sindh.eprocure.gov.pk/#/supplier/registration جي ذريعي اِي پيڊ سسٽم تي رجسٽر ٿيڻ ضروري آهي.

واڪ دستاويزن ۾ ڏنل هدايتن مطابق تيار ڪيل واڪ EPADS تي 24 نومبر 2026 تي صبح 11:00 وڳي تائين جمع ڪرايا وڃن. اصل ٽينڈر في 2000 روپيا (ناقابل واپسي) ۽ بڊ سيڪيورٽي هيٺ ڄاڻايل تفصيل مطابق هر لاٽ/پيڪيج لاءِ ڪل واڪ جي ڪٽيل قيمت جي 2 سيڪڙو کان گھٽ نه هجي.

مجوزه ٽينڈر في ۽ بڊ سيڪيورٽي جي وصولي لازمي پروڪيورنگ ايجنسي ۾ يقيني بڻائي وڃي "پروڪيورمينٽ ڊائريڪٽوريٽ سينٽرل ويئر هائوس، ڊائو يونيورسٽي آف هيلٿ سائنسز (اوجها ڪيمپس)، سپارڪو روڊ، متصل مين يونيورسٽي روڊ، گلزار هجري، اسڪيم نمبر. 33، ڪراچي کي اِي واڪ ڪلڻ کان پهرين تاريخ 24 نومبر 2026 تي صبح 11:30 وڳي تائين پهچي وڃي.

Lot/Package	Estimated Allocated Amount / Budget	Amount of Bid Security
A	PKR 140 Million	PKR 2,800,000/-
B	PKR 85 Million	PKR 1,700,000/-
C	PKR 17 Million	PKR 340,000/-
D	PKR 55 Million	PKR 1,100,000/-
E	PKR 20 Million	PKR 400,000/-

نوٽ:

ا. اِي بڊنگ جي حوالي سان ڪنهن به سوال يا معلومات لاءِ ڊائريڪٽر پروڪيورمينٽ آفيس سان فون نمبر (021-38771111 Ext.4433) تي رابطو ڪريو.

ب. حڪومت طرفان موڪل يا غير يقيني صورتحال سبب ٽينڈر/واڪ ان جي ورندڙ ڏينهن ساڳئي هنڌ ۽ وقت تي جمع ڪيا ويندا ۽ کوليا ويندا.

پ. خريدار ايس پي پي رولز 2010 جي واسطيدار شقن تحت ڪنهن به يا سموري واڪن کي رد ڪرڻ جو حق محفوظ رکي ٿو.

ج. ڪنهن به ڏيائي جي صورت ۾، واڪ ڏيندڙ ڪمر وازن ڏينهن دوران EPADS هيلپ لائن 051-111-137-237 تي رابطو ڪري سگھن ٿا.

ڊائريڪٽر پروڪيورمينٽ
ڊائو يونيورسٽي آف هيلٿ سائنسز، ڪراچي

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