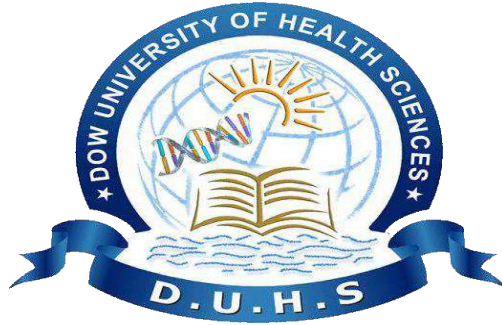


# **DOW UNIVERSITY OF HEALTH SCIENCES, KARACHI**



## **Bidding Documents**

**Single Stage – Two Envelope Procedure**  
As per Rule 46 (2) of SPPR, 2010 (Amended upto date)

**NIT No: DUHS/W&S/2025/1483.**

**Dated: April 22, 2025**

**(REF NO: DUHS/W&S-NIT/180)**

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**PROCUREMENT OF BALANCING  
MODERNIZATION REPLACEMENT, AT DOW  
INSTITUTE OF LIFE SCIENCES (D.I.L.S) ON  
TURNKEY BASIS**

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**OFFICE OF THE DIRECTOR WORKS & SERVICES  
DOW UNIVERSITY OF HEALTH SCIENCES,  
BABA-E-URDU ROAD, BESIDES CIVIL HOSPITAL, KARACHI**

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**PART ONE - SECTION I**  
**INSTRUCTIONS TO BIDDERS**

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# **Instructions to Bidders**

## **Introduction**

### **1. Source of Funds**

The Procuring agency has arranged funds from University Development Working Party (UDWP) and it is intended that part of the proceeds of this will be applied to eligible payments under the Contract for which these Bidding Documents are issued.

### **2. Eligible Bidders**

- 2.1 This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules, 2010 (Amended upto date) 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 shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the any government organization in accordance with sub clause 34.1.

### **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 upto date) 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.

## **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 will response through EPADS. The Procuring agency will respond on EPADS 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.

## 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 on EPADS, 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:
- 14.3.1 a detailed description of the essential technical and performance characteristics of the goods;
  - 14.3.2 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
  - 14.3.3 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 All appendices to Bid are to be properly completed and signed and stamped.
- 17.2 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 17.3 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.

## **18. Submission of Bids**

- 18.1 Bids must be submitted online through EPADS.

## **19. Deadline for Submission of Bids**

- 19.1 Bids must be submitted to the Procuring agency on EPADS no 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**

Any bid which has not uploaded on EPADS within the deadline for e-submission shall not be accepted.

**21. Modification and Withdrawal of Bids**

21.1 Any bidder may modify, substitute or withdraw his bid after e-bid submission provided that the modification, substitution or written notice of withdrawal is received by the Procuring agency prior to the deadline 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.

**Opening and Evaluation of Bids**

**22. Opening of Bids by the Procuring agency**

Procuring agency will open the bids Online through EPADS at <https://eprocure.gov.pk/>,

**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 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 Black Listed firms shall be treated as rejected / non-responsive.
- 24.6 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 Merit Point System:  
The merit point system for weighing evaluation factors shall be applied as specified in the Bid Data Sheet.

## **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.

## **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 lowest evaluated 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.

**PART ONE - SECTION II**  
**GENERAL CONDITIONS OF CONTRACT**



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## **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) Joint Venture not allowed

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

## **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 sixty (60) 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. through irrevocable letter of credit 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 notify the Procuring agency in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2 Subcontracts must comply with the provisions of GCC Clause 3.

## **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., incurred until delivery of the contracted Goods to the Procuring agency in case of Delivered Duty Paid (DDP) basis.

# **PROCUREMENT OF BALANCING MODERNIZATION REPLACEMENT, AT DOW INSTITUTE OF LIFE SCIENCES (D.I.L.S) ON TURNKEY BASIS**

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## **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**

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**PART TWO - SECTION I.**  
**INVITATION FOR BIDS**

## INVITATION FOR BIDS (IFB)



### OFFICE OF THE DIRECTOR WORKS & SERVICES DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.

Tel: 9215754-57 Ext: 5814 Website: [www.duhs.edu.pk](http://www.duhs.edu.pk)

No. DUHS/W&S/2025/1483

Dated: April 22, 2025

## TENDER NOTICE

Dow University of Health Sciences (DUHS), Karachi is a Public Sector University invites e-bids through E-Pak Acquisition & Disposable System (EPADS) from well-reputed Companies / Bidders / firms having registration with Federal Board of Revenue (FBR), Income Tax Department, Sindh Revenue Service Board, Sales Tax and Pakistan Engineering Council (PEC).

S. NO:	NAME OF WORK	METHOD OF PROCUREMENT
1.	PROCUREMENT OF BALANCING MODERNIZATION REPLACEMENT AT DOW INSTITUTE OF LIFE SCIENCES (DILS) ON TURNKEY BASIS	Single Stage – Two Envelope Procedure as per rule 46 sub rule-2 of SPP Rules 2010 (Amended upto date)
Tender Fee	Rs. 7,000/- ( <i>Rupees Seven Thousand Only</i> ) Non-Refundable in shape of Pay Order / Demand Draft in favor of Dow University of Health Sciences, Karachi.	
Security	Bid Security and Performance Security as mentioned in the bidding document.	

E-Bidding documents as per detailed terms and conditions, specifications and requirements are available for the registered bidders on Sindh Public Procurement Regulatory Authority's EPADS at <https://portalsindh.eprocure.gov.pk/#/> and University website <https://duhs.edu.pk> on the payment noted above (non-refundable) on any working day except the day of opening of tenders.

The electronics bids must be submitted using EPADS before closing time **10-05-2025 at 10:00 Hrs.** Manual bids, shall not be accepted. Electronic Bids will be opened on 10-05-2025 at 11:30 Hrs., The tender fee (non-refundable) and earnest money of total bid (refundable) in the form of a Pay Order or Demand Draft issued by a Scheduled Bank of Pakistan in favor of Dow University of Health Sciences, Karachi should be submitted at the 5th Floor of Administration Block DMC Campus near Civil Hospital before the deadline for submission of Electronic Bids through EPADS.

In case of any unforeseen situation resulting in the closure of the office on the date of opening or if Government declares Holiday the tenders shall be submitted/opened on the next working day at the same time & venue. The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended upto date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under "Rule-25" of said Rules.

For any query for e-bidding, contact the office of the undersigned (DMC Campus), 5th Floor Administration Block, Baba-e-Urdu Road near Civil Hospital Karachi.

**DIRECTOR**  
Works & Services  
Dow University of Health Sciences, Karachi

## **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.

Introduction	
ITB 1.1	<b>Name of Procuring Agency:</b> Dow University of Health Sciences, Karachi (DUHS)
ITB 1.1	<b>Name of Project/Scheme:</b> Procurement of Balancing Modernization Replacement at Dow Institute of Life Sciences (D.I.L.S) on Turnkey Basis
ITB 1.1	<b>Name of Contract:</b> Procurement of Balancing Modernization Replacement,  The bid shall be evaluated / compared on turnkey basis exclusively. Bids submitted for individual / limited / partial item(s) shall not be considered and rejected.
ITB 6.1	<b>Postal Address:</b> Office of the Director Works & Services (DMC Campus), Baba-e-Urdu Road, Near Civil Hospital, Karachi. Phone No: + 92-21-38771000 (Ext. 5814), Email: <a href="mailto:rahim.khan@duhs.edu.pk">rahim.khan@duhs.edu.pk</a>
ITB 8.1	Language of the bid shall be ENGLISH.

Bid Price and Currency	
ITB 11.2	The price quoted shall be in <b>Pakistani Rupee</b> for the Goods offered within the Procuring Agency's Country on delivered duty paid (DDP) Price.  The price quoted shall be in <b>foreign Currency</b> for the Goods offered from Outside the Procuring Agency's Country on CFR / CNF / C&F / CPT Karachi Basis  Price of incidental services, if any, must be included in price of goods
ITB 11.4	The price shall be fixed during the contract period.
ITB 12.1	<b>For the Goods offered within the Procuring Agency's Country:</b> the price quoted shall be in <b>Pak Rupees on delivered duty paid (DDP) basis.</b>  <b>For the Goods offered from Outside the Procuring Agency's Country:</b> the price quoted shall be in <b>Foreign Currency on CFR / CNF / C&amp;F / CPT- Karachi Basis.</b>

<b>Preparation and Submission of Bids</b>		
<b>ITB 13.3 (d)</b>		Qualification requirements
<b>S#</b>	<b>Qualification Criteria</b>	<b>Requirement</b>
1.	Compliance to the Technical Specifications	Mandatory
2.	If an Agent submits bids on behalf of more than one Manufacturer, unless each such bid is accompanied by a separate Bid Form for each bid, and a bid security, for each bid, and authorization from the respective Manufacturer, all such bids will be rejected as nonresponsive.	Mandatory
3.	Attested copy of CNIC of signatory of the Bid Forms	Mandatory
4.	Complete Bidding Document, duly signed and stamped on its each/every page as acceptance of all terms & conditions	Mandatory
5.	Compliance to bid validity period	Mandatory
6.	Compliance to payment terms and conditions	Mandatory
7.	Compliance to the delivery schedule	Mandatory
8.	Valid Sales Services Tax (SST-SRB) Registration with Active Tax payer status on SRB website <b>(for providing services)</b>	Mandatory
9.	Valid Income Tax (FBR) Registration with Active Tax Payer Status on FBR website	Mandatory
10.	Original Tender Purchase Receipt	Mandatory
11.	Electric inspector valid license must be provided	Mandatory
12.	Affidavit on stamp paper of Rs. 100/- duly notarized 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.	Mandatory
13.	The Bid Form & Price Schedule(s) shall be inserted in the Financial Proposal. However, a copy of the same shall be inserted in the Technical Proposal after hiding the amount.	Mandatory
14.	Bid Security shall be inserted in the Financial Proposal. However, a copy of the same shall be inserted in the Technical Proposal after hiding the amount.	Mandatory
15.	Technical Proposal on Bidder's Letterhead	Mandatory
16.	Catalogue / Brochures / technical data sheet (having complete technical specifications of the offered good)	Mandatory
17.	Company Profile	Mandatory
18.	Complete details of turn-over of at least last three years, demonstrated through audited annual financial statements / income tax returns / original bank certificate.	Mandatory

19.	Minimum experience for construction of three (03) units of pharmaceutical construction & equipment of similar nature / same magnitude to the Public / Private Sector Organizations in Pakistan during the last 3 years.	Mandatory
20.	Average annual turnover (total income) in preceding 3 years should not be less than Rs. 500 million and same shall be reflected in the Audited Accounts / Income Tax Returns.	Mandatory
21.	Trained engineer of constructor in Sindh (to be verified from foreign training certificate).	Mandatory
22.	Firm should be PEC certified with specialized code mentioned below: <b>CE-09, CE-10, EE-01, EE-02, EE-04</b>	Mandatory
23.	Workshop for after sales service.	Mandatory

<b>ITB 14.3 (b)</b>	Spare parts required for <b><u>ten (3) years</u></b> of operation.
<b>ITB 15.1</b>	Amount of bid security <b>shall be 2% of the total bid price.</b>
<b>ITB 16.1</b>	Bid validity period shall be <b><u>90 days</u></b>
<b>ITB 17.1</b>	Original "Financial and Technical Proposals"
<b>ITB 18.2 (a)</b>	Office of the Director Works & Services (DMC Campus), Baba-e-Urdu Road, Near Civil Hospital, Karachi. Phone No: + 92-21-38771000 (Ext. 5814), Email: <a href="mailto:rahim.khan@duhs.edu.pk">rahim.khan@duhs.edu.pk</a>
<b>ITB 18.2 (b)</b>	<b>Name of Project/Scheme:</b> Procurement of Balancing Modernization Replacement, at Dow Institute of Life Sciences (D.I.L.S) on Turnkey Basis  <b>IFB/NIT Title:</b> Procurement of Balancing Modernization Replacement, at Dow Institute of Life Sciences (D.I.L.S).  IFB/NIT No: DUHS/W&S/2025/1483, Dated: 22-04-2025
<b>ITB 19.1</b>	<b>Deadline for bid submission:</b> As per NIT
<b>ITB 22.1</b>	<b>Date, Time and Place of Bid opening</b> As per NIT

<b>Bid Evaluation</b>	
<b>ITB 25.4</b>	Criteria for bid evaluation.

### **Technical Proposal Evaluation:**

- i. **The bid shall be evaluated / compared on turnkey basis exclusively. Bids submitted for individual / limited / partial item(s) shall not be considered and rejected.**
- ii. The following merit point system for weighing evaluation factors / criteria will be applied for technical proposals.
- iii. Bidders achieving **minimum 70% points / marks** will be considered only for further process besides compliance of all mandatory clauses. Documentary evidence must be attached in support of your claim.
- iv. **Bids are invited as per Single Stage – Two Envelope Procedure** in accordance with sub rule 2 of rule 46 of the Sindh Public Procurement Rules, 2010 (Amended upto date). In case, any bidder encloses the financial bid within the technical bid, the same shall be rejected summarily.
- v. Only those Financial Proposals will be announced / considered which were technically qualified by the Committee.

### **A. PRODUCT EVALUATION**

<b>S#</b>	<b>CRITERIA / PARAMETERS / SUB-PARAMETERS</b>	<b>Total Marks</b>
<b>1</b>	<b>Conformity to the Purchaser's Specifications (Mandatory)</b>	<b>40</b>
1.1	Fully compliant with the required specifications	40
1.2	Compliant with minor deviation (up to 5% subject to main function is not effected)	30
<b>2</b>	<b>Product Reference</b>	<b>10</b>
2.1	Pharmaceutical / Hospital Labs / OT References (02 marks for each reference)	10
	<b>TOTAL MARKS PRODUCT EVALUATION (A)</b>	<b>50</b>

### **B. BIDDER EVALUATION**

<b>S#</b>	<b>PARAMETERS / SUB-PARAMETERS</b>	<b>Total Marks</b>
<b>3.</b>	<b>Technical Staff</b>	<b>15</b>
3.1	Diploma of Associate Engineer (DAE) in relevant field (1 mark for each)	03
3.2	Graduate Engineers in relevant field (Electronics / Biomedical) having the valid registration with Pakistan Engineering Council, based in Sindh. (2 marks for each)	06
3.3	MSc. / M.E / B.E Electrical / Civil) (01 mark for each)	02
3.4	Foreign Trained Engineer– Foreign Training Certificate must be attached (02 mark for each)	04
<b>4.</b>	<b>Workshop facility Testing / Calibration of Equipment</b>	<b>10</b>
4.1	Availability of Workshop in Sindh Province Workshop location, complete list of testing and calibration tools, detail of spare parts availability in stock, details.	08
4.2	Availability of workshop at national level outside Sindh (one mark for each location)	02
<b>5.</b>	<b>Past Experience / Performance of Last 3 years</b>	<b>15</b>

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
5.1	At least one similar nature i.e. Building work having minimum cost of 80% of the estimate cost of the work or at least two similar nature i.e. Building works each having minimum cost 50% of the estimated cost for last five years duly supported with completion certificates. In case of Joint venture experience certificates require JV Agreement copy (Notary Public Attested) for calculating proportion of shares and marking according to shares of JV.	15
6.	<b>Average Annual Turnover during last three (03) financial years (Audited Statements of Accounts and Income Tax Return Forms must be attached as supporting documents)</b>	<b>10</b>
6.1	Below PKR 200 million	02
6.2	Above PKR 300 million	05
6.3	Above PKR 500 million	10
	<b>TOTAL BIDDER EVALUATION (B)</b>	<b>50</b>
	<b>GRAND TOTAL (A + B)</b>	<b>100</b>

**Financial Proposal Evaluation:**

- i. Technically qualified / responsive / successful bidder(s) shall be eligible for Financial Proposal(s). The Financial bids shall be opened online from EPADS.
- ii. Only those Financial Proposals will be opened online / considered which were technically qualified by the Committee. Therefore, bidders are advised to upload the separate PDF files on EPADS.
- iii. Financial Bids / Proposals of Technically disqualified / rejected bidders will not be opened from EPADS and sealed envelope of their bid security shall be returned to the bidder.
- iv. Bids not accompanied by the Bid Security of required amount and form shall be rejected.
- v. 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.
- vi. For the purpose of comparison of bids quoted in different currencies, price shall be converted into Pakistani Rupees. 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).
- vii. The bidders must quote the rate in figures with maximum two decimals placing.

<b>Contract Award</b>	
<b>ITB 29.1</b>	Procuring Agency reserves the right to drop any item and increase or decrease the quantity of goods originally specified in Schedule of Requirements / Technical Specifications without any change in unit price and other terms & conditions

**SECTION III.**  
**SPECIAL CONDITIONS OF CONTRACT**

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## 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 these 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

GCC 7.4—After delivery and acceptance of the Goods, the performance security shall be reduced to two (2%) percent of the Contract Price to cover the Supplier's warranty obligations in accordance with Clause GCC 15.2.

### 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 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.

**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—**The Goods supplied under the Contract shall be delivered duty paid (DDP) and / or **INCOTERM CFR / CNF/ C&F / CPT Karachi** 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.

## **8. Spare Parts (GCC Clause 14)**

**GCC 14.1—**Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within one (1) months of placing the order on DDP basis and in case of import of part within two (2) months after opening the letter of credit.

## **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 date of acceptance of the Goods or eighteen (18) months from the date of shipment, whichever occurs earlier. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, 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.

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is 20 days or earlier.

## **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 Good 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 thirty (30) 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.
- (d) Secured Advances shall be allowed.
- (e) Advance payment against Bank Guarantee may be allowed.

### ***ii) For Good Supplied from outside the Procuring Agency's Country***

- (a) Payment shall be made in Foreign Currency.
- (b) The procuring agency shall pay the Bidder, Principal or its nominated beneficiary through irrevocable letter of credit opened in favor of the bidder or its beneficiary 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, if he desires to establish a confirmed L/C etc.
- (d) Advance payment through the L/C may be allowed.

### ***iii) For Construction Services Rendered on Turnkey Basis along with Equipment / Goods Supplied as a package***

- (a) Payment shall be made in Pak Rupees.
- (b) The procuring agency shall pay the Bidder on milestone basis which may be decided with successful bidder at the time of contract award.
- (c) Part Payment on Part Supply / Milestone Completion may be allowed.
- (d) Advance payment against Bank Guarantee may be allowed.

**11. Prices (GCC Clause 17)**

GCC 17.1—No prices adjustment shall be allowed.

**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, the entire amount of Performance Guarantee/Security will be forfeited to the Government Account 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 adjudication or arbitration in accordance with the laws of the Procuring agency's country.

**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:

**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:*

Director Works & Services  
Dow University of Health Sciences (DMC Campus)  
Baba-e-Urdu Road, Karachi.  
Phone No. + 92-21-99216065  
Email: rahim.khan@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 \_\_\_\_\_

**SECTION IV.**  
**SCHEDULE OF REQUIREMENTS**

## SCHEDULE OF REQUIREMENTS

1. **For Goods supplied from within the Procuring Agency's country (DDP Basis)**
  - i) The entire quantity of the ordered goods shall be delivered within **08 Weeks** or earlier from the date of issuance of supply order / contract award.
  - ii) The delivery period shall start from the date of contract signature.
  
2. **For Goods supplied from outside the Procuring Agency's country (C&F / CFR / CNF / CPT Basis):**
  - i. The shipment of the items of Stores which are to be imported shall be started as early as possible (**preferable within 24 Weeks**); the shipment schedule shall be submitted along with the offer, and shall be negotiable and subject to approval by the University.
  - ii. The delivery period shall start from the date of opening of letter of credit.
  - iii. The bidder must indicate in his offer the port of shipment of goods.

**SECTION V.**  
**TECHNICAL SPECIFICATIONS**

**PROCUREMENT OF BALANCING MODERNIZATION REPLACEMENT,  
AT DOW INSTITUTE OF LIFE SCIENCES (D.I.L.S)  
ON TURNKEY BASIS.**

**SUMMARY OF COST**

SR.#.	DESCRIPTION	AMOUNT (RS.)
A	Civil Works	\$
	<b>Total Amount Civil Works</b>	\$
B	Electrical Works	
	<b>Total Amount of Electrical Works</b>	
C	Plumbing Works (Group-A)	
D	Plumbing Works (Group-B)	
	<b>Total Amount of Plumbing Works (A+B)</b>	
E	HVAC Works	
	<b>Total Amount of HVAC Works</b>	
	<b>Total Amount in USD</b>	
	<b>Grand Total Amount including Tax (PKR)</b>	



No.	Product	Description	Unit	Quantity	(USD)	Total Price (USD)
I	<b>Cleanroom System</b>					
1a	Wall Panel 墙板	Thickness - 50mm, Both side 0.5 SS ,Sheet infill with rock wool, comply with accessories below in item 2 Standard size, if it's non-standard panel, follow mark 1 厚度50mm, 单面0.5mm 厚彩钢板, 单面不锈钢带PE膜, 0.8mm边框, 内衬岩棉	m²	31.80		
1b	Wall Panel 墙板	Thickness - 50mm, one side painted hot-dipping galvanized steel sheet, 0.5mm thick PE coated steel sheet, one side 0.5SS ,0.8mm thick GI frame, infill with rock wool, comply with accessories below in item 2 Standard size, if it's non-standard panel, follow mark 1 厚度50mm, 单面0.5mm 厚彩钢板, 单面不锈钢带PE膜, 0.8mm边框, 内衬岩棉	m²	106.00		
1c	Wall Panel 墙板	Thickness - 50mm, Both side 0.5 SS ,Sheet infill with rock wool, comply with accessories below in item 2 Standard size, if it's non-standard panel, follow mark 1 厚度50mm, 单面0.5mm 厚彩钢板, 单面不锈钢带PE膜, 0.8mm边框, 内衬岩棉	m²	1,007.00		
2	Wall Panel accessories 墙板安装型材	R50 round corner inside 内圆弧贴片 R50 3-way connector inside 内三通 middle type 3-way connector outside 中外三通 Door seal 门封 Thickness - 50mm, double layer colour painted hot-dipping galvanized steel sheet, 0.5mm thick PE coated steel sheet, 0.8mm thick GI frame, infill with Rockwool, with single glass magnesium oxide boards for reinforcement. 厚度50mm. 0.5mm 厚彩钢板, 带PE膜, 0.8mm 边框, 内衬岩棉, 单层玻镁板 Aluminium joint profiles 中字铝 Aluminium Grid 铝龙骨 Hanging bar, with expansion bolts, T screw, square regulator, connector, nuts 吊杆, 膨胀螺栓, M10法兰螺母, M10 T型螺丝, 方形调节器, 丝杆接头	m²	1,144.80		

3	Ceiling panels 顶板	Thickness - 50mm, double layer colour painted hot-dipping galvanized steel sheet, 0.5mm thick PE coated steel sheet, 0.8mm thick GI frame, infill with Rockwool, with single glass magnesium oxide boards for reinforcement. 厚度50mm. 0.5mm 厚彩钢板, 带PE膜, 0.8mm 边框, 内衬岩棉, 单层玻镁板	m²	811.96		
4	Ceiling Panel accessories 顶板安装型材	Aluminium joint profiles 中字铝 Aluminium Grid 铝龙骨 Hanging bar, with expansion bolts, T screw, square regulator, connector, nuts 吊杆, 膨胀螺栓, M10法兰螺母, M10 T型螺丝, 方形调节器, 丝杆接头 Hanging bar, with expansion bolts, T screw, square regulator, connector, nuts 吊杆, 膨胀螺栓, M10法兰螺母, M10 T型螺丝, 方形调节器, 丝杆接头	m²	811.96		
5	Cleanroom Doors	Steel doors: 50mm thickness; 1.0 mm double-side electrogalvanized steel sheet, with Rockwool inside; Including 50mm thick door leaf, 50mm thick steel frame, hinge, GEZE lock, Auto-down bottom seal, with double 5mm tempered glass window (round or rectangular window), not include door closer. 钢质门: 50mm厚, 双面1.0mm厚 电镀锌钢板, 内衬岩棉, 含50mm 门片、50mm钢制门框、铰链、盖泽水平锁及自动升降隐藏式防尘器; 附双层5mm 钢化玻璃窗(圆角或直角窗); 不含闭门器				
		single leaf, size 1000*2100mm 单开门, 尺寸: 1000*2100mm (SS Doors)	Pcs	6.00		
		Double leaf, size 1500*2100mm 双开门, 尺寸: 1500*2100mm (SS Doors)	Pcs	2.00		
		single leaf, size 1000*2100mm 单开门, 尺寸: 1000*2100mm	Pcs	24.00		
		Double leaf, size 1500*2100mm 双开门, 尺寸: 1500*2100mm	Pcs	13.00		
		Door Closer, Brand: GEZE 1000C 闭门器, 品牌: GEZE 1000C	Pcs	60.00		
		Emergency Exist Door	Pcs	2.00		

6	Windows	Double tempered glass view window, joints filled with silicon sealant, with vapourabsorption, 5mm thick glass 1500x1000 mm双层玻璃视窗, 填充干燥剂, 每片玻璃 5mm厚,	Pcs	53.00		
7	Interlock 互锁	Electronic interlock to control two or more doors, with electromagnetic lock, light Indicator and main control box 两门或多门互联装置, 配电磁锁、指示灯、控制箱				
		2 Doors 两门互锁	Pcs	5.00		
		4 Doors 四门互锁	Pcs	5.00		
8	Hepa Filter housing 高效箱体	338*663mm	Pcs	-		
		650*650	Pcs	-		
9	Air diffuser 散流器	500*500mm	Pcs	-		
		375*375MM	Pcs	-		
10	Air return grill on wall and ceiling 回风百叶	600*300mm	Pcs	-		
11	灯具Lamp	size 300*600*12 mm Rated Power 300 Watt +/- 10% Nominal Light flux 2500 m +/- 10% Colour Temperature 6500 +/- 10% with the battery	Pcs	53.00		
12	Silicone 硅胶	Dow corning silicone 道康宁普通的中性硅胶	m²	1,365.00		
13	PVC conduits 线管	PVC conduit (25mm) inside wall panels 预埋PVC线管	m²	1,000.00		
14	Opening cost 开孔费	Openings in ceiling panels for diffusers or lights 顶板预开孔	m²	390.00		
	<b>SUBTOTAL (USD)</b>					
II	<b>Other Cost 其他费用</b>					
1	Packing, Fumigation, Local transportation, Customs clearance fee 包装/熏蒸/本地运输/清关费		CTNS	3.00		
2	Sea Freight 海运费 From Shanghai to Karachi		CTNS	3.00		
	<b>SUBTOTAL (USD)</b>					
	<b>TOTAL PRICE (CNF Karachi)</b>					

S.No	Description of work	Unit	Rate	Quantity	Total Amount
	<b>ELECTRICAL NON SCHEDULE WORKS</b>				
<b>1</b>	<b>WIRING &amp; WIRING ACCESSORIES</b>				
	<b>Supply, installation, testing and commissioning</b> of following items including all material, tools, labor & accessories required for completion of work as per description & drawings. Complete in all respects. As shown on drawings.				
a)	<b>Wiring for Light point from switch board to first light point</b> with 1.5 Sq.mm phase, common neutral of 2.5 Sq.mm and common ECC of 2.5 Sq.mm in 25mm dia PVC Conduit or 25mm dia EMT conduit on surface of Prefab.	No.		22.00	
b)	Same as above item but wiring from light point to point	No.		36.00	
c)	<b>Circuit wiring for Light Fixtures from DB to Light Control Switch Board</b> with 3C x 2.5 Sq.mm + ECC 1 x 2.5 Sqmm, Cu/PVC wires in 25mm dia PVC OR 25 mm dia EMT conduit.	No.		4.00	
2	<b>Wiring of 13A/15A Switch Socket units (RAW Power)</b> from DB to first power outlet back boxes with following size of wires in 25mm dia PVC Conduit OR 25 mm Dia EMT conduit.				
a)	3C x 4 Sqmm Cu/PVC /PVC	No.		8.00	
b)	Same as above item, but wiring from <b>outlet to outlet</b>	No.		16.00	
3	<b>Wiring of 32A 5-Pin Industrial Socket</b> from DB to Industrial Socket with the following size of wires in 38mm dia EMT Conduit as shown in the drawings.				
a)	4C-6 Sqmm Cu/PVC/PVC + ECC 1C-6 Sqmm Cu/PVC	No.		7.00	
<b>4</b>	<b>CABLE CONTAINMENT</b>				
a)	25mm dia PVC Conduit OR 25mm EMT Conduit (Data, Voice, Wifi, PA, CCTV, Power	Rm.		150.00	
b)	25mm dia PVC Conduit OR 25mm EMT Conduit (Fire Alarm, Public Address) 25mm dia PVC OR 25mm EMT Conduit	Rm.		40.00	
c)	25mm dia PVC OR 25mm EMT Conduit (CCTV, Wifi)	Rm.		50.00	
d)	25mm dia Flexible G.I Conduit with PVC Coating	Rm.		100.00	
<b>5</b>	<b>Supply and Installation of M.S Pull Box of 16 SWG sheet with M.S. Top Cover of 14 SWG sheet for carrying heavy weights. Complete in all respects as per details and drawings.</b>				
a)	75mm x 75mm x 75mm	No.		50.00	
b)	150mm x 100mm Cable Tray for Light & Power	Rm.		30.00	
c)	150mm x 100mm Cable Tray for Communication	Rm.		30.00	
<b>6</b>	<b>Supply and Installation of 16 SWG Sheet Steel Back Boxes</b> for installation of Switches, Sockets, Isolators, Communication Outlets.				
a)	<b>45mm x 75mm x 75mm</b> for installation of Light Switches on 50mm wall.	No.		25.00	
a)	<b>45mm x 75mm x 75mm</b> for installation of 13A/15A Power Outlets on 50mm wall.	No.		26.00	

b)	<b>45mm x 75mm x 75mm</b> for installation of Data/Voice Communication Outlets on	No.		20.00	
c)	<b>45mm x 75mm x 75mm</b> for installation of Industrial Sockets on 50mm wall.	No.		5.00	
d)	<b>45mm x 75mm x 75mm</b> for Sounders on 50mm wall.	No.		5.00	
<b>7</b>	<b>Supply &amp; installation of Ceiling Mounted Junction Box</b> for Ceiling Points as per drawings including all fixing accessories. Sample must be approved by the consultant.				
a)	MS Powder Coated Junction Box for at each Light	No.		50.00	
b)	MS Powder Coated Junction Box for Fire Alarm System	No.		25.00	
c)	MS Powder Coated Junction Box for Public Address	No.		15.00	
d)	MS Powder Coated Junction Box for Wifi	No.		4.00	
e)	MS Powder Coated Junction Box for CCTV System	No.		5.00	
<b>8</b>	<b>LIGHTING FIXTURES</b>				
	<b>Installation, Testing &amp; Commissioning of</b> the following lighting fixtures complete with driver, specified lamps and installation/hanging accessories upto 1 meter length for all pendant lights.				
a)	IP-45 Rated Recessed 300mm x 300mm Smart Panel Light Fixture with 40W LED Philips or Equivalent Color 6000K CRI-83	No.		55.00	
b)	IP-45 Rated Recessed Square Down Light Fixture with 20W LED Philips or Equivalent Color 6000K CRI-83	No.		10.00	
<b>9</b>	<b>DISTRIBUTION BOARDS LPDB</b>	No.		1.00	
a)	<b>Energy Metering</b>	Job		1.00	
<b>10</b>	<b>VOICE &amp; DATA COMMUNICATION SYSTEM</b>				
a)	<b>Single Face plate</b> with 1 No. <b>CAT-6 RJ-45 I/O for Data</b> , and 1 No. CAT-6 RJ-45 I/O for Voice, white / off white finish, complete with shuttered click-ins, labels and all accessories. Complete in all respects.	No.		26.00	
b)	<b>Supply &amp; Wiring of CAT-6 UTP Cables for Data Communication</b> from Communication Rack to each outlet in already laid conduit via cable tray as per drawings including termination and tagging at both ends. Complete in all respects. <b>(Coil =305 Rm.)</b>	Coil		2.00	
c)	<b>Supply &amp; Wiring of CAT-6 UTP Cables for Voice Communication</b> from Communication Rack to each outlet in already laid conduit via cable tray as per drawings including termination and tagging at both ends. Complete in all respects. <b>(Coil =305 Rm.)</b>	Coil		1.00	
d)	<b>Installation of Imported 6U Communication Rack</b> suitable for installation of standard patch panels and etc. Complete with floor base, vertical cable managers. Rack shall be equipped with 2 No. power distribution units (PDUs) with at least 5 imported power sockets & proper ventilation system including fan etc. Complete in all respects.	No.		1.00	
e)	<b>Installation</b> of the following <b>CAT-6, Patch Panel</b> equipped with RJ-45 I/Os for <b>Data / Voice / CCTV &amp; WIFI Communication System</b> including all labeling and all mounting accessories. Complete in all respects.				
f)	24-Port CAT-6 Patch Panel for Data Communication	No.		1.00	

g)	24-Port CAT-6 Patch Panel for Voice Communication Conventional Telephone	No.		1.00	
h)	24-Port CAT-6 Patch Panel for WIFI System	No.		1.00	
i)	<b>Front Cable Organizer</b> for patch panels / wiring blocks with complete labeling and dressing for incoming cable management.	No.		2.00	
j)	Installation of following CAT-6, factory certified <b>Patch Cords</b> of specified color having RJ-45 connectors at both ends for <b>Data, CCTV &amp; Wifi Communication.</b>				
k)	CAT 6 3 meter long	No.		15.00	
l)	1 meter long. (CAT 6 - Patch panel to switch)	No.		20.00	
m)	<b>IT Switches For Data &amp; Voice + routers</b>	No.		1.00	
n)	<b>6U - Racks for Data</b>	No.		1.00	
	<b>WIRING FOR LOW CURRENT SYSTEMS</b>				
<b>11</b>	<b>IP BASED CCTV SYSTEM</b>				
a)	<b>CAT-6 UTP Cable for CCTV System</b> in already laid conduit via cable tray from camera to Communication Rack in Electrical Rooms as per drawings including termination and tagging at both ends. Complete in all respects. (Coil = 305 Rm.)	Coil		1.00	
b)	CCTV Camera Dome Type	Nos		5.00	
c)	<b>CAT-6 UTP Cable for Access Control System</b> in already laid PVC conduit via cable tray from Door Controller to all devices as per drawings including termination and tagging at both ends. Complete in all respects. (Coil = 305 Rm.)	Coil		1.00	
d)	NVC	No		1.00	
e)	LED Screen 42"	No		1.00	
<b>12</b>	<b>FIRE ALARM SYSTEM</b>				
a)	<b>2C, 2.5 Sq.mm Fire Resistant Shielded Cable (Prysmian FP Plus or Equivalent)</b> in 25mm dia EMT conduit from fire alarm control panel to all sensors & devices including all installation accessories complete in all respect.	Rm.		100.00	
b)	<b>Control Cable</b> from FACP to Public Address, Fire Pump, Elevators, Access Control System, CCTV System with 5C, 2.5 Sq.mm fire resistant cable in 25mm dia PVC Conduit. Complete in all respect.	Rm.		200.00	
c)	SMOKE / Head Multi Detectors	Nos.		25.00	
d)	Manual Pull Station	Nos.		4.00	
e)	Electronic Sounder	Nos.		4.00	
e)	FACP	No.		1.00	
<b>13</b>	<b>PUBLIC ADDRESS SYSTEM</b>				
	<b>2C, 2.5 Sq.mm Flexible Imported Shielded Speaker Cable</b> for Public Address System from Speaker to Speaker till Amplifier in Comm Rack as per zoning layout shown in drawings in 25mm dia EMT Conduit. Complete in all respects.	Rm.		100.00	

a)	Ceiling Speaker	No.		15.00	
b)	Amplifier	No.		1.00	
c)	Microphone Station	No		1.00	
d)	6U Rack	No		1.00	
<b>14</b>	<b>DOOR INTERLOCKING</b>				
a)	2 Doors Interlock Controller	Nos.		3.00	
b)	Magnetic Lock	Nos.		6.00	
c)	Status LED Face Plate	Nos		12.00	
d)	Push Button Switces	Nos		6.00	
e)	Emergency Break Device	Nos		6.00	
f)	Biometric & Face Recognition	No.		3.00	
g)	Doors interlocking Cables & Wirings	Job		1.00	
<b>15</b>	<b>AS-BUILT DRAWINGS</b>				
a)	<b>Preparation of as-built drawings</b> of all electrical and allied works after final approval from the consultant/client. Note: Submission of as-built drawings 3 sets & soft copy of complete electrical works after final commissioning of project. Approval of final bills are subject to completion of as built drawings.	Job		1.00	
<b>16</b>	<b>Misc. Expenses</b>	Lot		1.00	
	<b>TOTAL ELECTRICAL WORKS</b>				

S. No	DESCRIPTION	Units	Qty	Estimated Unit Price	Estimated Total
1	2	3	4	5	6
	<b>GROUP-A</b>				
1)	<b>Water For Injection (WFI) Loop Works</b>				
	<b>(i) <u>SUPPLY OF ASME-BPE 316L STAINLESS STEEL TUBE</u></b>				
	having thickness 1.65 mm, Dia 1” internally & externally polished (less than 0.5 micron) tubing for Highly Purified water distribution loop with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa Laval, Kinglai, CSE or approved equal.	RFT	365.00		
	<b>(ii) <u>Supply of Zero dead Leg Valves</u></b>				
	Material 316L SS, Forged body, Diaphragm with PTFE+ EPDM seal, T/U type for WFI loop. Size 1” Preferred Brands Alfa Laval, King-Lai, IIT, Saunders or approved equivalent	No	3.00		
	<b>(iii) <u>Supply of 1-inch thick Premoulded Glass Wool</u></b>				
	insulation 64 Kg/cum with externally polished SS cladding on tubing in Production area and GI cladding in technical areas complete in all respect Preferred Brands Knauf, Kimco or approved equivalent	RFT	365.00		
2)	<b>Purified Water (PW) Loop Works</b>				
	<b>(i) <u>SUPPLY OF ASME-BPE 316L STAINLESS STEEL TUBE</u></b>				
	having thickness 1.65 mm, Dia 1.5” internally & externally polished (less than 0.5 micron) tubing for Purified water distribution loop with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa Laval, Kinglai, CSE or approved equal.	RFT	365.00		
	<b>(ii) <u>Supply of Zero dead Leg Valves</u></b>				
	Material 316L SS, Forged body, Diaphragm with PTFE+ EPDM seal, T/U type for PW loop. Size 1.5” Preferred Brands Alfa Laval, King-Lai, IIT, Saunders or approved equivalent	No	3.00		
3)	<b>Pure Steam (PS)</b>				
	<b>(i) <u>SUPPLY OF ASME-BPE 316L STAINLESS STEEL TUBE</u></b>				
	having thickness 1.65 mm, Dia 1” internally & externally polished (less than 0.5 micron) tubing for Purified Steam distribution with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa Laval, Kinglai, CSE or approved equal.	RFT	100.00		



	<b><u>(ii) Supply of Zero dead Leg Valves</u></b>				
	Material 316L SS, Forged body, Diaphragm with PTFE+ EPDM seal, 2way type for pure steam. Size 1” Preferred Brands Alfa Laval, King-Lai, IIT, Saunders or approved equivalent	No	2.00		
	<b><u>(iii) Supply of 1-inch thick Premoulded Glass Wool</u></b>				
	insulation 64 Kg/cum with externally polished SS cladding on tubing in Production area and GI cladding in technical areas complete in all respect Preferred Brands Knauf, Kimco or approved equivalent	RFT	100.00		
<b>4)</b>	<b>Nitrogen Gas</b>				
	<b><u>(i) SUPPLY OF ASME-BPE 316L STAINLESS STEEL TUBE</u></b>				
	having thickness 1.65 mm, Dia 1” or ¾” internally & externally polished (less than 0.5 micron) tubing for Nitrogen distribution with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa Laval, Kinglai, CSE or approved equal.	RFT	100.00		
	<b><u>(ii) Supply of Zero dead Leg Valves</u></b>				
	Material 316L SS, Forged body, Diaphragm with PTFE+ EPDM seal, 2way type for Nitrogen Gas. Size 1” or ¾” Preferred Brands Alfa Laval, King-Lai, IIT, Saunders or approved equivalent	No	5.00		
<b>5)</b>	<b>Compressed Air</b>				
	<b><u>(i) SUPPLY OF SMS 304L STAINLESS STEEL TUBE</u></b>				
	having thickness 1.5 mm, Dia 1” for compressed air distribution with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa-Laval, King-Lai, Ghalib International, Sandvik or approved equal.	RFT	100.00		
	<b><u>(ii) Supply of Ball Valve general purpose full bore Threaded Type with Swagelok/ Triclover fitting for easy replacement</u></b>				
	Material SCS14A SS, casted body, Ball valve with PTFE seal, 2way type for compressed air. Size ¾” Preferred Brands Alfa Laval, King-Lai, Kitz or approved equivalent	No	10.00		
	<b><u>(iii) SUPPLY OF TERMINAL FRL UNIT FOR COMPRESSED AIR SIZE 3/8</u></b>				
	Preferred Brands SMC, FESTO PARKER or approved equivalent	No	7.00		
<b>6)</b>	<b>NATURAL GAS CH4</b>				
	<b><u>(i) SUPPLY OF SMS 304L STAINLESS STEEL TUBE</u></b>				

	having thickness 1.5 mm, Dia 3/4" for natural gas distribution with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa-Laval, King-Lai, Ghalib International, Sandvik or approved equal.	RFT	240.00		
	<b><u>(ii) Supply of Ball Valve general purpose full bore Threaded Type with Swagelok/ Triclover fitting for easy replacement</u></b>				
	Material SCS14A SS, casted body, Ball valve with PTFE seal, 2way type for CH4. Size 3/4" Preferred Brands Alfa Laval, King-Lai, Kitz or approved equivalent	No	3.00		
	<b><u>(iii) SUPPLY OF GAS REGULATOR 3/4"</u></b> Preferred Brands Madas, Techno Gas or approved equivalent	No	3.00		
<b>7)</b>	<b>OXYGEN GAS O2</b>				
	<b><u>(i) SUPPLY OF SMS 316L STAINLESS STEEL TUBE</u></b>				
	having thickness 1.5 mm, Dia 3/4" for natural gas distribution with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa-Laval, King-Lai, Ghalib International, Sandvik or approved equal.	RFT	240.00		
	<b><u>(ii) Supply of Ball Valve general purpose full bore Threaded Type with Swagelok/ Triclover fitting for easy replacement</u></b>				
	Material SCS14A SS, casted body, Ball valve with PTFE seal, 2way type for O2. Size 3/4" Preferred Brands Alfa Laval, King-Lai, Kitz or approved equivalent	No	1.00		
	<b><u>(iii) SUPPLY OF REGULATOR 3/4"</u></b> Preferred Brands SMC, CKD, PARKER or approved equivalent	No	1.00		
<b>7)</b>	<b>CHILL WATER LINES</b>				
	<b><u>(i) SUPPLY OF SCH 40 SEAMLESS BLACK CARBON STEEL PIPE SIZE DN40</u></b>				
	for chilled water supply and return system, complete with fittings, flanges, union, gasket specialties etc., Preferred Brand: Huffaz, Protec or approved equal	RFT	200.00		
	(ii) Valves and specialties with matching flanges, nuts, bolts and gaskets for all chilled water piping as per specifications. Preferred Brand: GALA, TLV, ECONOSTO, KITZ /Hattersley, WIKA, BLD or approved equal:				
	a. Gate Valve DN40	No	2.00		
	b. Balancing Valve DN40	No	1.00		
	c. Strainer Y type DN40	No	1.00		
	d. Check Valve DN 40	No	1.00		

	e. Pressure Gauges 0-10 Bar	No	2.00		
	f. Temperature Gauges	No	2.00		
	(iii) Cross-linked Polyolefin PIPE Insulation with SS 304 Cladding in Production area and GI cladding in all technical areas for Chill Water PIPE with alupet foil and self-adhesive tape. Brand: Aerfoam or approved equal	RFT	200.00		
<b>8)</b>	<b>DRAIN PIPING</b>				
	<b>(i) <u>SUPPLY OF SMS 304 STAINLESS STEEL TUBE</u></b>				
	having thickness 1.5 mm, for drain connection with all fitting, tees, elbows, etc complete in all respect. Preferred Brands Alfa-Laval, King-Lai, Ghalib International, Sandvik or approved equal.				
	a. 2" Line from washing machine, SIP Tunnel to nearest drain point	RFT	100.00		
	b. GMP Drain	NO	3.00		
<b>9)</b>	<b>EXHAUST CONNECTION</b>				
	<b>(i) <u>SUPPLY OF ROUND DUCT</u></b> SS 304 Round Duct Dia 4" for Steam Exhaust of Washing machine estimated length 20ft	LOT	1.00		
	<b>(ii) <u>SUPPLY OF ROUND DUCT</u></b> SS 304 Round Duct Dia 6" for Steam Exhaust of Tunnel machine estimated length 20ft	LOT	1.00		
	<b>(iii) <u>SUPPLY OF ROUND DUCT</u></b> SS 304 Round Duct Dia 6" for Cooling Exhaust of Tunnel machine estimated length 20ft	LOT	1.00		
	<b>(iv) <u>SUPPLY OF SQUARE DUCT</u></b> SS 304 Square Duct Dia 12"x 12"	LOT	1.00		
<b>10)</b>	<b>ELECTRICAL CONDUIT/ TRAYES</b>				
	(i) Supply of S.S 304 Tube for Filling & Sealing Machine (within the room) Tube size: Dia. 50mm	LOT	1.00		
	(ii) Supply of S.S 304 tube for Filling & Sealing Machine (within the room) Tube size: Dia. 38mm.	LOT	1.00		
	(iii) Supply of S.S 304 Conduit tube Dia. 50mm & Dia 38mm.	LOT	1.00		
	(iv) Supply of G.I Cable Tray in technical area. Size: 4" x 2"	LOT	1.00		

11)	<p>Supply and installation Storage Vessel  Application: Storage of Water for Injection (WFI) for pharmaceutical use. Tank Type: Vertical cylindrical, jacketed, pressure-less tank.  Design Standard: ASME BPE / cGMP compliant / FDA Guidelines  Construction: Sanitary grade  Nominal Capacity: 1000 Liters  Working Volume: 90-95% of Nominal Capacity  Design Pressure: 3 bar  Test Pressure: 1.5 times the design pressure  Product Contact Parts: SS 316L T 8 mm, with MOC certificates  Non-Contact Parts: SS 304  Surface Finish:  Internal Finish: Mirror polished, <math>Ra \leq 0.6 \mu m</math>  External Finish: Matt / Dull polished  Top Dish: Elliptical / Torispherical with manhole  Bottom Dish: 3D / 2D / Torispherical sloped for complete drainage  Supports: Legs or Skirt as per design  Insulation: PUF / Mineral wool, thickness as per design  Cladding: SS 304 polished finish  Manhole: Hinged, 450mm dia. with safety interlock  Inlet/Outlet: Tri-clamp fittings, sanitary design  Vent Filter Housing: 0.2 <math>\mu m</math> hydrophobic filter housing  Level Sensor: DP type with Heating control</p> <p>Temperature Sensor: RTD PT-100 w Spray Ball: 360° coverage for CIP/SIP  Pressure Gauge: Glycerin filled, SS construction  FAT, SAT, DQ, IQ, OQ documents  MOC certificates  Weld maps and passivation reports  Surface finish test reports  Calibration certificates for instruments  Experience with pharmaceutical-grade tank manufacturing  References from pharma/biotech clients  Quality certifications (ISO 9001, etc.)</p>	No	1.00		
12)	Misc. items to complete the job. Like MS stand for Vacuum Units etc	Lot	1.00		
	<b>Total</b>				
	<b>Tax 18 %</b>				
	<b>Total With Tax</b>				

S. No	DESCRIPTION	Units	QTY	Estimated Unit Price	Estimated Total
1	2	3	4	5	6
	<b>GROUP-B</b>				
1)	<b>De-carting Rigging, shifting and Placement</b>				
	a) Washing machine	Lot	1		
	b) De-Pyrogenation Tunnel	Lot	1		
	c) Filling Line	Lot	1		
	d) Autoclave	Lot	3		
2)	<b>Installation of WFI Loop</b> extension for Washing machine, CIP/SIP SKID, Compounding Line Size 1” All joint to be internally flushed to give smooth finish & made with special orbital welding machine. The work includes sterilization required limits, boroscopy (10%), pressure testing, commissioning and tagging complete in all respect	RFT	365		
3)	Installation of 1-inch thick Premoulded Glass Wool insulation 64 Kg/cum with externally polished SS cladding on tubing, complete in all respect	RFT	365		
4)	Installation of PW Loop extension for Sink in ampoule washing line, Sterility room, Ampoule Compounding Line Size 1.5” All joint to be internally flushed to give smooth finish & made with special orbital welding machine. The work includes sterilization required limits, boroscopy (10%), pressure testing, commissioning and tagging complete in all respect	RFT	365		
5)	<b>Installation of Pure Steam Line extension for CIP/SIP SKID,</b> Ampoule Filling line, Compounding area of ampoule filling line Line Size 1” All joint to be internally flushed to give smooth finish & made with special orbital welding machine. The work includes sterilization required limits, boroscopy (10%), pressure testing, commissioning and tagging complete in all respect.	Rft	100		
6)	Installation of 1-inch thick Premoulded Glass Wool insulation 64 Kg/cum with externally polished SS cladding on tubing, complete in all respect	RFT	100		
7)	Installation of Compressed Air S.S 304 Pipe T 1.5 mm Dia 1” including fittings with hangers and supports complete in all respect. Vial Washing Machine, De-Pyrogenation Tunnel, Filling line Autoclaves, Ampoule filling and Compounding All joint to weld argon welding. The work includes, pressure testing, commissioning and tagging complete in all respect	RFT	240		

8)	Installation of Nitrogen S.S 316L Pipe T 1.5 mm Dia 3/4” including fittings with hangers and supports complete in all respect. Filling line, Sterility Area, Ampoule filling and Compounding All joint to be internally flushed to give smooth finish & made with special orbital welding machine. The work includes sterilization required limits, boroscopy (10%), pressure testing, commissioning and tagging complete in all respect	RFT	100		
9)	<b>Other Gases CH4</b> Installation of S.S 304 Pipe T 1.5 mm Dia 3/4” including fittings with hangers and supports complete in all respect. Sterility Area, Ampoule Filling area All joint to weld argon welding. The work includes, pressure testing, commissioning and tagging complete in all respect	RFT	240		
10)	<b>Other Gases O2</b> Installation of S.S 316 Pipe T 1.5 mm Dia 3/4” including fittings with hangers and supports complete in all respect. Sterility Area, Ampoule Filling area All joint to weld argon welding. The work includes, pressure testing, commissioning and tagging complete in all respect	RFT	240		
11)	<b>Chill Water lines</b> Installation of MS SCH 40 DN 40 Pipe with Insulation and Cladding for chill water connection at tunnel All joint to weld argon welding. The work includes, pressure testing, commissioning and tagging complete in all respect	RFT	200		
12)	<b>Tap Water lines</b> Installation of PPR for Tap water connection The work includes, pressure testing, commissioning and tagging complete in all respect	RFT	100		
13)	<b>Drain lines</b> Installation of S.S 304 Seamless Pipe T 1.5 mm Dia 1.5” to 2” including fittings with hangers and supports complete in all respect. All joint to weld argon welding. The work includes, pressure testing, commissioning and tagging complete in all respect	RFT	100		
14)	Making concealed drain in floor and connect with main drain	Lot	3		
<b>Total</b>					
<b>Tax 15 %</b>					
<b>Total With Tax</b>					

S. No.	Description	Qty.	Unit	Material and Labour Rate (Rs.)	Total Amount (Rs.)
1	2	3	4	5	6 = 3x5
1	<p>The work includes supply and installation including cutting, fitting, fixing and cleaning, making wall opening, fixing wall and slab sleeve, hangers and supports etc.</p> <p>Execution work will be done on pre aligned / agreed plan basis by keeping factory Operations in running. This would require extra barications/ late night workings/ extra resources to complete the works in minimum time.</p> <p><b>Ducting (Medium Pressure) and Accessories</b></p> <p>G.I sheet metal medium pressure flange type ducting including splitter dampers, take offs, elbows and other necessary fittings, wall/slab sleeves, connections with flexible duct connector, equipment, air devices, complete with all bracings, hangers, supports, access doors, etc. and ready for operation in all respect.</p>				
1.1	<b>Rectangular Ducting</b>				
1.1.1	24 Gauge	4,000	Sqft		
1.1.2	22 Gauge	6,960	Sqft		
2	Pressure and air leakage rate testing of air ducts. The air leakage rate to qualify EUROVENT Classifications 'B' at 1000 Pa test pressure. Duct leakage test machine to be used, blower test is not acceptable.	1	Job		
3	<b>Duct Insulation and Cladding</b>				
3.1	<b>Insulation over Rectangular Air Ducts</b>				
	Supply & fixing of XLPE closed cell Elastomeric Thermal Insulation for inside air ducting 1.7 lb./ft <sup>3</sup> density, K value of 0.23 Btu in/ft-hr- <sup>0</sup> F (at 73.4°F). The insulation to meet ASTM Standard E84 and Class O for fire, flame and smoke, detail specified in schedule, complete in all respect.				
3.1.1	0.75 inch thick for inside supply air ducts.	5,000	Sqft		
3.1.2	0.5 inch thick for return/exhaust air ducts.	3,660	Sqft		
3.2	Supply & fixing of 1" thick XLPE closed cell Elastomeric Thermal Insulation for <b>exposed air ducting</b> 1.7 lb./ft <sup>3</sup> density, K value of 0.23 Btu in/ft-hr- <sup>0</sup> F (at 73.4°F). The insulation to meet ASTM Standard E84 and Class O for fire, flame and smoke, complete in all respect.	2,300	Sqft		
3.3	26g pre-painted GI sheet metal cladding on exposed insulated air ducting.	2,850	Sqft		
	<b>A-Total Cost of Ducting and Insulation Works (Rs.)</b>				

4	<b>Air Devices</b>				
4.1	Supply and installation of following types and sizes of Air Devices including connections with air ducts and support arrangements. Supply Air Diffuser (SAD) T&B Type ME of different neck sizes with M7 VCDs.	1,000	Sqin		
4.2	Perforated Exhaust Air Register (EAR) / Return Air Register (RAR) T&B Type APG (50% free area) of different neck sizes.	5,400	Sqin		
4.3	Exhaust Air Louvers of different neck sizes	900	Sqin		
4.4	Filter Boxes with 2" thick G-4 washable synthetic air filters with fresh air intake louvers at Fresh air inlet, complete with external wall mounted frames, overall depth 4 inch, Aluminium construction, fixed blades type with 0.25 inch mesh 22g copper wire screen on the outside, Blades with 6mm tips at both ends, set at 45 deg to be of sight tight construction as per SMACNA standards of different sizes.	1,300	Sqin		
5	<b>Air Dampers</b>				
5.1	Volume Control Dampers constructed as per SMACNA standard, multileaf <b>opposed blade type gear operated</b> , complete with marking lockable <b>extended quadrant</b> operator, damper bearings and linkages to be suitable for smooth operation.				
5.1.1	Rectangular Type	900	Sqin		
5.2	Fire Damper 1 hr fire rating, constructed as per SMACNA Standard, single blade type with duct depth (blade height) 24 inch & less multiblade type for larger depth complete with 160 deg <sup>0</sup> F fusible links and access doors of different neck sizes.	4,200	Sqin		
	<b>B-Total Cost of Air Devices and Dampers (Rs.)</b>				
6	<b>Condensate Drain Piping</b> Provide uPVC Class D Condensate drain piping and 3/8" closed cell foam insulation for equipment including specialties complete with fittings, hangers and supports, making connections and pressure testing.				
6.1	1.5" NB	80	Rft		
6.2	1.25" NB	150	Rft		
	<b>C-Total Cost of Condensate Drain Piping (Rs.)</b>				
7	<b>Exhaust Air Fan</b> Supply and Installation of double skin centrifugal cabinet exhaust air fans with Siemens motor, inlet plenum, filter sections, vibration isolators, etc., complete in all respect as specified in schedule and drawings. Unit shall be suitable for exposed installation.				



7.1	EA Fan No. 01 rated 350 cfm, ESP 1.2 Inch for Sterile Air Lock.	1	No.		
7.2	EA Fan No. 02 rated 730 cfm, ESP 1.2 Inch for Washing and Media Preparation.	1	No.		
7.3	EA Fan No. 03 rated 1070 cfm, ESP 1.2 Inch for Filling CR and Air Lock.	1	No.		
7.4	EA Fan No. 04 rated 1040 cfm, ESP 1.2 Inch for Ampoule Filling CR and Air Lock.	1	No.		
8	<b>Air Filters for Fan</b>				
8.1	G-4 90% Average Arrestance, Regeneration Type Filter with metal frames for Exhaust Air Fan. Filter inserts complete with Holding and mounting frames and gaskets, etc.				
8.1.1	610x610x50	3	No.		
8.1.2	610x305x50	1	No.		
	<b>D-Total Cost of Exhaust Air Fan with Air Filter (Rs.)</b>				
9	<b>Terminal HEPA H-14 Air Filters.</b>				
9.1	HEPA H-14, 99.995% DOP Test Efficiency Air Filters (Terminal Application). Filter Cells complete with GI casing.				
9.1.1	610mmx610mmx292 (mini-pleat type, High Flow Rate)	10	No.		
9.1.2	610mmx610mmx150 (mini-pleat type, High Flow Rate)	19	No.		
9.2	Filter Cell terminal casing having test points and differential pressure measuring points and diffusers suitable for ceiling mounting.				
9.2.1	for 610mmx610mmx292 filter cells	10	No.		
9.2.2	for 610mmx610mmx150 filter cells	19	No.		
10	Supply of Constant Volume regulators for the above Terminal Air Filters.				
10.1	CAV-18"x10"	6	No.		
10.2	CAV-16"x10"	1	No.		
10.3	CAV-14"x10"	5	No.		
10.4	CAV-14"x8"	2	No.		
10.5	CAV-12"x8"	5	No.		
10.6	CAV-12"x6"	6	No.		
10.7	CAV-10"x6"	8	No.		
	<b>E-Total Cost of Terminal HEPA H-14 Air Filters With CAV (Rs.)</b>				
11	<b>Electrical Works</b>				
	Motor Control Center (MCC) with construction Form 3B Type-02, front access, circuit breakers, switches, fuses, motor starters, instrument, indicating lights, etc. for all equipment as per specification.				
11.1	MCC-01 (Weather Exposed)	1	No.		

11.2	Provide materials for electric wiring and earthing of equipment motors from MCC, including connections for AHU, VFD Box, Fan and controls as per Site Condition. Shielded Cables to be used after VFDs till equipment.				
11.2.1	AHU-09: 5 KW, cable size 3.5 core 4 sqmm with 2 earthing Wire.	50	Rft		
11.2.2	AHU-10: 7 KW, cable size 3.5 core 4 sqmm with 2 earthing Wire.	150	Rft		
11.2.3	AHU-11: 20 KW, cable size 3.5 core 10 sqmm with 2 earthing Wire.	200	Rft		
11.2.4	AHU-12: 16 KW, cable size 3.5 core 10 sqmm with 2 earthing Wire.	250	Rft		
11.2.5	CU-09: 13 KW, cable size 3.5 core 6 sqmm with 2 earthing Wire.	50	Rft		
11.2.6	CU-10: 20 KW, cable size 3.5 core 10 sqmm with 2 earthing Wire.	150	Rft		
11.2.7	CU-11: 56 KW, cable size 3.5 core 25 sqmm with 2 earthing Wire.	200	Rft		
11.2.8	CU-12: 45 KW, cable size 3.5 core 25 sqmm with 2 earthing Wire.	250	Rft		
11.2.9	EH-09: 10 KW, cable size 3.5 core 6 sqmm with 2 earthing Wire.	50	Rft		
11.2.10	EH-10: 16 KW, cable size 3.5 core 10 sqmm with 2 earthing Wire.	150	Rft		
11.2.11	EH-11: 46 KW, cable size 3.5 core 25 sqmm with 2 earthing Wire.	200	Rft		
11.2.12	EH-12: 38 KW, cable size 3.5 core 25 sqmm with 2 earthing Wire.	250	Rft		
11.2.13	EA Fan-01: 1 KW, cable size 3.5 core 4 sqmm with 2 earthing Wire.	150	Rft		
11.2.14	EA Fan-02: 1 KW, cable size 3.5 core 4 sqmm with 2 earthing Wire.	150	Rft		
11.2.15	EA Fan-03: 1.5 KW, cable size 3.5 core 4 sqmm with 2 earthing Wire.	200	Rft		
11.2.16	EA Fan-04: 1.5 KW, cable size 3.5 core 4 sqmm with 2 earthing Wire.	200	Rft		
11.3	Conduiting / cable tray	1	Job		
11.4	Provide enclosure for VFD of AHUs with fan for air calculation, padlock, complete with wiring etc.	4	No.		
<b>F-Total Cost of Electrical Works (Rs.)</b>					
12	<b>Automatic Controls</b> Direct Digital Control System including programming. The transmitter, switches, etc. to be complete with all accessories, control valves with actuator, Bacnet Certified Local controllers (LC) with communication and display facility, complete in all respect.				
12.1	<b>AHU No. 09</b>				
12.1.1	Temperature sensors/transmitter (Balco Type).	2	No.		

12.1.2	Humidity sensors/transmitter.	1	No.		
12.1.3	Smoke Detector.	1	No.		
12.1.4	Pressure differential switches across fan	1	No.		
12.1.5	Pressure differential switches across filter	2	No.		
12.1.6	Arrangement for indication from VFD for AHU fan.	1	No.		
12.1.7	Pressure Transmitter	1	No.		
12.1.8	Local controllers with Display (Bacnet Certified)	1	No.		
12.1.9	Control Panel with enclosure and accessories.	1	Job		
12.1.10	Electrical/Control Wiring for above	1	Lot		
12.2	<b>AHU No. 10</b>				
12.2.1	Temperature sensors/transmitter (Balco Type).	2	No.		
12.2.2	Humidity sensors/transmitter.	1	No.		
12.2.3	Smoke Detector.	1	No.		
12.2.4	Pressure differential switches across fan	1	No.		
12.2.5	Pressure differential switches across filter	2	No.		
12.2.6	Arrangement for indication from VFD for AHU fan.	1	No.		
12.2.7	Pressure Transmitter	1	No.		
12.2.8	Local controllers with Display (Bacnet Certified)	1	No.		
12.2.9	Control Panel with enclosure and accessories.	1	Job		
12.2.10	Electrical/Control Wiring for above	1	Lot		
12.3	<b>AHU No. 11</b>				
12.3.1	Temperature sensors/transmitter (Balco Type).	2	No.		
12.3.2	Humidity sensors/transmitter.	1	No.		
12.3.3	Smoke Detector.	1	No.		
12.3.4	Pressure differential switches across fan	1	No.		
12.3.5	Pressure differential switches across filter	2	No.		
12.3.6	Arrangement for indication from VFD for AHU fan.	1	No.		
12.3.7	Pressure Transmitter	1	No.		
12.3.8	Local controllers with Display (Bacnet Certified)	1	No.		
12.3.9	Control Panel with enclosure and accessories.	1	Job		
12.3.10	Electrical/Control Wiring for above	1	Lot		
12.4	<b>AHU No. 12</b>				
12.4.1	Temperature sensors/transmitter (Balco Type).	2	No.		
12.4.2	Humidity sensors/transmitter.	1	No.		
12.4.3	Smoke Detector.	1	No.		
12.4.4	Pressure differential switches across fan	1	No.		
12.4.5	Pressure differential switches across filter	2	No.		
12.4.6	Arrangement for indication from VFD for AHU fan.	1	No.		
12.4.7	Pressure Transmitter	1	No.		
12.4.8	Local controllers with Display (Bacnet Certified)	1	No.		

12.4.9	Control Panel with enclosure and accessories.	1	Job		
12.4.10	Electrical/Control Wiring for above	1	Lot		
12.5	<b>Exhaust Air Fan No. 01 &amp; 04 (4 No.)</b>				
12.5.1	Current operated switch for Fan.	4	No.		
12.5.2	Local controllers with Display, (Bacnet Certified)	1	No.		
12.5.3	Control Panel with enclosure and accessories.	1	Job		
12.5.4	Electrical/Control Communication Wiring for above	1	Lot		
12.6	<b>Miscellaneous Items</b>				
12.6.1	Engineering, Programming, Commissioning and handing over of controllers document, field devices etc.	1	Job		
12.6.2	Communication wiring, accessories and interfacing with existing BMS system.	1	Job		
12.6.3	Supervision and one month test run.	1	Job		
	<b>G-Total Cost of Automatic Controls System (Rs.)</b>				
13	<b>Sundries Items</b>				
13.1	Duct mounted dial type temperature indicators.	8	No.		
13.2	Digital Magnahelic gauges for room pressure indication including soft cubing on concealed SS plate.	20	No.		
13.3	Magnahelic gauge across panel and higher efficiency filters in AHU and fan with SS box mounting.	8	No.		
13.4	MS structure foundation of 4 No. AHUs, 4 No. Condensing Units, 1 No. MCC and 4 No. EA Fans.	1	Job		
13.5	Cost of flexible duct connector on AHU inlet/outlet.	150	Rft		
13.6	Cost of Air balancing of New System.	1	Job		
13.7	Duct Test holes for Air balancing.	1	Lot		
13.8	Provide Tag and Stenciling, Painting, Coating & Wrapping.	1	Lot		
13.9	Provide Shop drawings.	1	Job		
13.10	Provide As-Installed hard copy of drawings and soft copy of 16GB Kingston USB on AutoCAD 2018.	1	Job		
13.11	Cost of testing, starting-up, commissioning, balancing, adjusting & handing over of complete system as per specifications.	1	Job		
13.12	One month test run.	1	Job		
13.13	Cost of removal of G.I. air ducts, duct insulation, hangers and supports installed at Ground Floor and handover to client at desired location in Factory.	1	Job		
13.14	Cost of flashing of air ducts acrossing slab openings with 26g G.I sheet after filling slab openings gap with Hilti compound as shown in miscellaneous detail.	1	Job		
	<b>H-Total Cost of Sundries Works (Rs.)</b>				

14	<b>Supply and Installation of Air Handling Units.</b>				
14.1	<b>Air Handling Unit No. 09</b>				
14.1.1	Supply and installation of Double Skin, Blow Thru Air Handling Unit No. 09 complete with supply air plug fan, IP-55 rated VFD, IE-3 rated fan motor, DX operated Cooling Coil with SS drain pan, complete with blygold coating, G4, F7 and F9 air filters, specified air filters, access plenums, mixing box and accessories, CFC free R-407 refrigerant gas, Condensing Unit with controls for condensing fan/compressor cycling and control wiring as per enclosed schedule.	1	No.		
14.1.2	Supply and Installation of hard drawn seamless type "L" Copper refrigerant piping with 3/8" Armaflex foamed insulation approx. 50Rft total distance between units, 28g G.I. cladding, oil traps, where necessary, complete with fittings and silver soldered joints.	1	Job		
14.1.3	Refrigerant R-407c gas charging between indoor and outdoor unit's refrigerant piping.	1	Job		
14.2	<b>Air Handling Unit No. 10</b>				
14.2.1	Supply and installation of Double Skin, Blow Thru Air Handling Unit No. 10 complete with supply air plug fan, IP-55 rated VFD, IE-3 rated fan motor, DX operated Cooling Coil with SS drain pan, complete with blygold coating, G4, F7 and F9 air filters, specified air filters, access plenums, mixing box and accessories, CFC free R-407 refrigerant gas, Condensing Unit with controls for condensing fan/compressor cycling and control wiring as per enclosed schedule.	1	No.		
14.2.2	Supply and Installation of hard drawn seamless type "L" Copper refrigerant piping with 3/8" Armaflex foamed insulation approx. 50Rft total distance between units, 28g G.I. cladding, oil traps, where necessary, complete with fittings and silver soldered joints.	1	Job		
14.2.3	Refrigerant R-407c gas charging between indoor and outdoor unit's refrigerant piping.	1	Job		

14.3	<b>Air Handling Unit No. 11</b>				
14.3.1	Supply and installation of Double Skin, Blow Thru Air Handling Unit No. 11 complete with supply air plug fan, IP-55 rated VFD, IE-3 rated fan motor, DX operated Cooling Coil with SS drain pan, complete with blygold coating, G4, F7 and F9 air filters, specified air filters, access plenums, mixing box and accessories, CFC free R-407 refrigerant gas, Condensing Unit with controls for condensing fan/compressor cycling and control wiring as per enclosed schedule.	1	No.		
14.3.2	Supply and Installation of hard drawn seamless type "L" Copper refrigerant piping with 3/8" Armaflex foamed insulation approx. 50Rft total distance between units, 28g G.I. cladding, oil traps, where necessary, complete with fittings and silver soldered joints.	1	Job		
14.3.3	Refrigerant R-407c gas charging between indoor and outdoor unit's refrigerant piping.	1	Job		
14.4	<b>Air Handling Unit No. 12</b>				
14.4.1	Supply and installation of Double Skin, Blow Thru Air Handling Unit No. 12 complete with supply air plug fan, IP-55 rated VFD, IE-3 rated fan motor, DX operated Cooling Coil with SS drain pan, complete with blygold coating, G4, F7 and F9 air filters, specified air filters, access plenums, mixing box and accessories, CFC free R-407 refrigerant gas, Condensing Unit with controls for condensing fan/compressor cycling and control wiring as per enclosed schedule.	1	No.		
14.4.2	Supply and Installation of hard drawn seamless type "L" Copper refrigerant piping with 3/8" Armaflex foamed insulation approx. 50Rft total distance between units, 28g G.I. cladding, oil traps, where necessary, complete with fittings and silver soldered joints.	1	Job		
14.4.3	Refrigerant R-407c gas charging between indoor and outdoor unit's refrigerant piping.	1	Job		
14.5	Cost of shifting of Air Handling Units in knock down condition from Supplier Factory to Client Factory.	1	Job		
14.6	Cost of shifting of equipment to desired location of 4 No. Air Handling Units. (Crane activity is envolved)	1	Job		
14.7	Cost of assembly and Installation of 4 No. Air Handling Units.	1	Job		
14.8	Cost of testing, commissioning, balancing, adjusting and handing over the Air Handling Units.	1	Job		
	<b>I-Total Cost of Supply and Installation of Air Handling Units (Rs.)</b>				

15	<b>Sundries Items</b>				
15.1	Cost of Mechancial Serivices (relocation of Compressed air; DI water and draiange system)	1	Lot		
15.2	HVAC consultancy, (Calculation, qualification, site supervision, area classification), complete in all respects	1	Job		
	<b>J-Total Cost of Mechanical Services (Rs.)</b>				
	<b>A to I-Total Cost of Airconditioning Works (Rs.)</b>				
<b>Add GST @ 18% on Equipment &amp; Material (Rs.)</b>					
<b>Add SST @ 15% on Installation (Rs.)</b>					
<b>Grand Total Cost of HVAC Works for AHUs Replacement (Rs.)</b>					

**SECTION VI.**  
**SAMPLE FORMS**



## SAMPLE FORMS

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## 1. 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 in accordance with the delivery schedule specified in the Schedule of Requirements.

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 \_\_\_\_\_ 2025.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

2. (A) **PRICE SCHEDULE IN PAK RUPEES**  
**Delivered Duty Paid (DDP BASIS)**

**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	Port of Shipment	Quantity of Stores	Unit	Rate Per Unit	Total Price
1	2	2	4	5	6	7	8	9	10
<b>Total Amount in Pak Rs.</b>									

Name \_\_\_\_\_

In the capacity of \_\_\_\_\_

Signed \_\_\_\_\_

Duly authorized to sign the Bid for and on behalf of \_\_\_\_\_

Date \_\_\_\_\_

**NOTE:**

Port of Shipment and Country of origin of "MAJOR PART(S) OF THE EQUIPMENT" must be clearly reflected separately in the Technical and Financial bids. The "Origin" means the place where the "goods" are mined, grown, or produced.

**2. (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	Currency	Rate Per Unit	Total Price
1	2	2	4	5	6	7	8	9	10	11
<b>Total Amount in Foreign Currency</b>										

Name \_\_\_\_\_

In the capacity of \_\_\_\_\_

Signed \_\_\_\_\_

Duly authorized to sign the Bid for and on behalf of \_\_\_\_\_

Date \_\_\_\_\_

**NOTE:**

Port of Shipment and Country of origin of "MAJOR PART(S) OF THE EQUIPMENT" must be clearly reflected separately in the Technical and Financial bids. The "Origin" means the place where the "goods" are mined, grown, or produced.

## 2. 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 \_\_\_\_\_ 2025.

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]*

### 3. CONTRACT FORM

**THIS AGREEMENT** made the \_\_\_\_\_ day of \_\_\_\_\_ 2025 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)

#### 4. 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 \_\_\_\_\_ 2025 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 \_\_\_\_\_ 2025.

Signature and seal of the Guarantors

\_\_\_\_\_  
*[name of bank or financial institution]*

\_\_\_\_\_  
*[address]*

\_\_\_\_\_  
*[date]*

## 5. 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]*



## 6. MANUFACTURER'S AUTHORIZATION FORM

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

To: *[name of the Procuring agency]*

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.

---

*[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.

## 7. 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 times 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]

Epaper Date: 2025-04-23



FOUNDED BY QUAID-E-AZAM MOHAMMAD ALI JINNAH



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No. DUHS/W&S/2025/1483

Dated: April 22, 2025

# TENDER NOTICE

Dow University of Health Sciences (DUHS), Karachi is a Public Sector University invites e-bids through E-Pak Acquisition & Disposable System (EPADS) from well-reputed Companies / Bidders / firms having registration with Federal Board of Revenue (FBR), Income Tax Department, Sindh Revenue Service Board, Sales Tax and Pakistan Engineering Council (PEC).

S. NO:	NAME OF WORK	METHOD OF PROCUREMENT
1.	PROCUREMENT OF BALANCING MODERNIZATION REPLACEMENT AT DOW INSTITUTE OF LIFE SCIENCES (DILS) ON TURNKEY BASIS	Single Stage Two Envelope Procedure as per rule 46 sub rule-2 of SPP Rules 2010 (Amended upto date)

Tender Fee	Rs. 7,000/- (Rupees Seven Thousand Only) Non-Refundable in shape of Pay Order / Demand Draft in favor of Dow University of Health Sciences, Karachi.
Security	Bid Security and Performance Security as mentioned in the bidding document.

E-Bidding documents as per detailed terms and conditions, specifications and requirements are available for the registered bidders on Sindh Public Procurement Regulatory Authority's EPADS at <https://portalsindh.eprocure.gov.pk/#/> and University website <https://duhs.edu.pk> on the payment noted above (non-refundable) on any working day except the day of opening of tenders.

The electronics bids must be submitted using EPADS before closing time **10-05-2025** at 10:00 Hrs. Manual bids, shall not be accepted. Electronic Bids will be opened on **10-05-2025** at 11:30 Hrs., The tender fee (non-refundable) and earnest money of total bid (refundable) in the form of a Pay Order or Demand Draft issued by a Scheduled Bank of Pakistan in favor of Dow University of Health Sciences, Karachi should be submitted at the 5th Floor of Administration Block DMC Campus near Civil Hospital before the deadline for submission of Electronic Bids through EPADS.

In case of any unforeseen situation resulting in the closure of the office on the date of opening or if Government declares Holiday the tenders shall be submitted/opened on the next working day at the same time & venue. The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended upto date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under "Rule-25" of said Rules.

For any query for e-bidding, contact the office of the undersigned (DMC Campus), 5th Floor Administration Block, Baba-e-Urdu Road near Civil Hospital Karachi.

**DIRECTOR**  
Works & Services  
Dow University of Health Sciences, Karachi



## OFFICE OF THE DIRECTOR WORKS & SERVICES DOW UNIVERSITY OF HEALTH SCIENCES

Baba-e-Urdu Road, Karachi-74200 Pakistan.  
Tel: 9215754-57 Ext: 5814 Website: [www.duhs.edu.pk](http://www.duhs.edu.pk)

No. DUHS/W&S/2025/1483

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عوامي حقن جي ترجمان، ڪمپيوٽر تي پهرين مڪمل اخبار

ڪراچي، حيدرآباد ۽ سکر مان هڪ ئي وقت شايع ٿيندڙ

**CERTIFIED**

**Daily AWAMI AWAZ**

روزاني

**عوامي آواز**

سال 36 - شمارو 112 | اربع 23 اپريل 2025 ع 24 شوال 1446 هـ | صفحا 08 - قيمت 40 روپيا

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