



**BIDDING DOCUMENT**  
*Single Stage - Two Envelope Bidding Procedure*

**PROCUREMENT OF  
I.T. EQUIPMENT, SOFTWARE AND ANCILLARIES**

**N.I.T No. DUHS/DP/2017/- 28 Dated 27 October 2017**

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# A: Instructions to Bidders. (ITB)

## 1. INTRODUCTION

### 1. GENERAL

1.1 Dow University of Health Sciences (DUHS), Karachi has allocated fund towards the cost of **“Procurement of I.T. Equipment, Software and Ancillaries”**. It is intended that part of the proceeds of this fund will be applied to eligible payments under the contract for the Procurement of goods.

### 2. ELIGIBLE BIDDERS

2.1. This Invitation for Bids is open to all original Manufacturers, within Pakistan and abroad, and their Authorized Agents / Importers / Bidders / Distributors.

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 University 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 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 Federal Govt. or Provincial Govt.

2.4. Bidder should not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government organization in accordance with sub **clause 35.1**.

### 3. ELIGIBLE GOODS

3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries and all expenditures made under the contract shall be limited to such goods and services. For this purpose, the term “Goods” includes any Goods that are the subject of this Invitation for Bids and the term “Services” shall include related services such as transportation, insurance etc. **The “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 through manufacturing or processing, or substantial and major assembly of ingredients / components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

## **2. THE BIDDING PROCEDURE**

### **4. Single Stage - Two Envelope Procedure**

- (a) Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- (b) Envelopes shall be marked as “FINANCIAL PROPOSAL” and TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- (c) Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;
- (d) Envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the procuring agency without being opened;
- (e) Procuring agency shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements;
- (f) No amendments in the technical proposal shall be permitted during the technical evaluation;
- (g) Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- (h) Financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
- (j) Bid found to be the lowest evaluated or best evaluated bid shall be accepted.

4.2 The bids shall be opened in the presence of bidders or their authorized representative at the prescribed time, date and venue.

## **3. THE BIDDING DOCUMENTS**

### **5. CONTENTS OF BIDDING DOCUMENTS**

#### **5.1 The Bidding Documents:**

In addition to the Invitation for Bids (IFB) / Tender Notice, the bidding documents include:

- i. Instructions to Bidders (ITB);
- ii. General Conditions of Contract (GCC);
- iii. Special Conditions of Contract (SCC);
- iv. Schedule of Requirements;
- v. Technical Specifications;
- vi. Contract Form;
- vii. Manufacturer's Authorization Form;
- viii. Performance Guarantee Form;
- ix. Bid Form; and
- x. Price Schedules.

5.2 In case of discrepancies between the Invitation for Bids (IFB) / Tender Notice and the Bidding Documents, the Bidding Documents shall take precedence.

5.3 The bidders are expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish complete information required in the bidding documents or to submit a bid not substantially responsive to the bidding documents may result in rejection.

#### 6. AMENDMENT OF BIDDING DOCUMENTS

6.1 At any time prior to the deadline for submission of bids, the Procuring Agency may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.

6.2 All prospective bidders that have received the bidding documents will be notified the amendment(s) in writing, which will be binding on them.

6.3 In order to allow prospective bidders reasonable time to take the amendment(s) into account in preparing their bids, the Procuring Agency may, at its discretion, extend the deadline for submission of the bids.

### **4. PREPARATION OF BIDS**

#### 7. LANGUAGE OF BID

##### 7.1 Preparation of Bids

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 in English. Supporting documents and printed literature furnished by the bidder may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case for purposes of interpretation of the Bid, the translated version shall prevail.

#### 8. DOCUMENTS COMPRISING THE BID

8.1 The bid prepared by the Bidder shall comprise the following:

- (a) Bid Form;
- (b) Price Schedule;
- (c) Documentary evidence to the effect that the Bidder is eligible to bid and is qualified to perform the Contract if its bid is accepted;
- (d) Documentary evidence to the effect that the goods to be supplied by the Bidder are eligible goods and related services as defined in clause-3 and conform to the bidding documents; and
- (e) Bid Security.

#### 9. BID PRICES

9.1 The prices and discounts quoted by the Bidder in the Bid Form and in the Price Schedules shall conform to the requirements specified below.

- 9.2 All items in the Schedule of Supply must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed not to be included in the Bid.
- 9.3 The price to be quoted in the Bid Form shall be the total price of the Bid excluding any discounts offered.
- 9.4 The Bidder shall quote any unconditional discounts and the methodology for their application in the Bid Form.
- 9.5 Prices proposed in the Price Schedule Forms for Goods, shall be disaggregated, when appropriate. This disaggregation shall be solely for the purpose of facilitating the comparison of Bids by the Procuring Agency. This shall not in any way limit the Procuring Agency's right to contract on any of the terms offered:
- (a) Price Schedule For Goods offered from within the Procuring Agency's country:
    - (i) Detailed Specification of Stores
    - (ii) Model / Cat No.
    - (iii) Name of Manufacturer.
    - (iv) Country of Origin
    - (v) Quantity of Stores
    - (vi) Unit
    - (vii) the unit price of the goods quoted on delivered duty paid (DDP) basis, including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of goods, or on the previously imported goods of foreign origin;
    - (viii) If there is no mention of taxes, the offered/quoted price will be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the GST or other taxes during the contract period shall be passed on to the Procuring Agency; and
    - (ix) the total price for the item.
  - (b) Price Schedule For Goods offered from outside the Procuring Agency's country:
    - (i) Detailed Specification of Stores
    - (ii) Model / Cat No.
    - (iii) Name of Manufacturer.
    - (iv) Country of Origin
    - (v) Quantity of Stores
    - (vi) Unit

(vii) Currency of Bid

(viii) the unit price of the goods quoted on CFR / C&F basis (Karachi Port), in the Procuring Agency's country;

(ix) the total price for the item in foreign currency.

9.6 Final Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A Bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected.

9.7 If it was proved during the contract period that bidder has supplied the contracted item(s) to any other purchasing agency in Pakistan at the prices lower than the contracted prices, the balance amount will be deducted from the bill and / or security deposit of the bidder.

## 10. BID CURRENCIES

10.1 Prices shall be quoted in Pakistani Rupees for goods offered within the Procuring Agency's country on delivered duty paid (DDP).

10.2 Price shall be quoted in foreign currency for goods offered outside the Procuring Agency's country on CFR / C&F Basis.

## 11. DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATION

11.1 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 Bidder'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 evaluation & qualification criteria of bidding document.

## 12. DOCUMENTS ESTABLISHING GOODS' ELIGIBILITY AND CONFORMITY TO BIDDING DOCUMENTS

12.1 Pursuant to ITB Clause 8, 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.

- 12.2 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.
- 12.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
  - (a) a detailed description of the essential technical and performance characteristics of the goods; and
  - (b) 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.
- 12.4 For purposes of the commentary to be furnished pursuant to ITB Clause 12.3(b) 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.

### 13. BID SECURITY

- 13.1 The Bidder shall furnish, as part of its proposal, a Bid Security in the amount and currency specified in the Bid Data Sheet and SCC. Unsuccessful bidders' Bid Security will be returned soon after approval of the successful Bidder. The successful Bidder's Bid Security will be discharged upon signing of contract and furnishing the Performance Security bond, duly guaranteed by a scheduled bank.
- 13.2 The Bid Security shall remain valid for a period of 28 days beyond the bid validity period.
- 13.2 The Bid Security is required to protect the Procuring Agency against the risk of Bidder's conduct, which would warrant the Security's forfeiture;
- 13.3 The Bid Security may be forfeited:
  - (a) if a Bidder withdraws its bid during the period of bid validity; or
  - (b) in the case of a successful Bidder, the Bidder fails:
    - (i) to sign the Contract; or
    - (ii) to complete the supplies in accordance with the General Conditions of Contract.



14. BID VALIDITY

14.1 Bids shall remain valid for 90 days from the date of its opening. A bid valid for a shorter period shall be treated as non-responsive and rejected.

14.2 The Procuring Agency shall ordinarily be under an obligation to process and evaluate the bids within the stipulated bid validity period. However, for any reasons to be recorded in writing, if an extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period.

15. ALTERNATIVE BIDS

15.1 If any bidder elects to submit alternative proposal(s), complete information on the alternative items including all data relating to technical specifications shall be given as per following table.

Sr. No.	Description of Stores	Statement of Variation from Specifications	Reasons for Variations

**5. SUBMISSION OF BIDS**

16. SEALING AND MARKING OF BIDS

16.1 The envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) bear the specific identification Name and Number of this bidding process indicated in the Bid Data Sheet; and
- (c) bear the Procuring Agency's name and address i.e. Dow University of Health Sciences (Ojha Campus), Procurement Directorate, Prof. Masood Hameed Khan Library Building, SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi and a statement: "DO NOT OPEN BEFORE," the time and date specified in the Bid Data Sheet.

16.2 If all envelopes are not sealed and marked as required, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the bid.

17. DEADLINE FOR SUBMISSION OF BIDS

17.1 Bids must be submitted by the bidders and received by the Procuring Agency at the specified address not later than the time and date specified in the Bid Data Sheet.

17.2 The Procuring Agency may, at its convenience, extend this deadline for submission of bids by amending the bidding documents in which case all rights and obligations of the Procuring Agency and the Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

**18. LATE BID**

18.1 Any bid received by the Procuring Agency after the deadline for submission of bids prescribed by the Procuring Agency shall not be entertained and returned unopened to the bidder.

**19. WITHDRAWAL OF BIDS**

19.1 The Bidder may after its submission withdraw prior to the expiry of the deadline prescribed for submission of bids.

**6. OPENING AND EVALUATION OF BIDS**

**20. OPENING OF BIDS BY THE PROCURING AGENCY**

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

22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring Agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 18.

22.3 Bids (and modifications sent pursuant to ITB Clause 19) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.

**21. CLARIFICATION OF BIDS**

21.1 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.

**22. PRELIMINARY EXAMINATION**

22.1 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.

- 22.2 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.
- 22.3 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.
- 22.4 Prior to the detailed evaluation, pursuant to ITB Clause 23 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, Applicable Law, and Taxes and Duties, 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.
- 22.5 If a bid is not substantially responsive, it will be rejected by the Procuring Agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

### **23. EVALUATION AND COMPARISON OF BIDS**

- 23.1 The Procuring Agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 22.
- 23.2 The Procuring Agency's evaluation of a bid will be on delivered duty paid (DDP) inclusive of prevailing duties/taxes and C&F / CNF basis and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 23.3 The Procuring Agency's evaluation of a bid will take into account, in addition to the bid price quoted, one or more of the following factors, and quantified in ITB Clause 24:
  - (a) **Incidental costs**  
Incidental costs provided by the bidder will be added by Procuring Agency to the bid price at the final destination.
  - (b) **Delivery schedule offered in the bid**  
The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement.

- (c) **Deviations in payment schedule from that specified in the Special Conditions of Contract**

Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring Agency may consider the alternative payment schedule offered by the selected Bidder.
- (d) **Cost of components, mandatory spare parts, and service**

The Procuring Agency will estimate the cost of spare parts usage in the initial period of operation, based on information furnished by each Bidder, as well as on past experience of the Procuring Agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.
- (e) **Availability of spare parts and after sales services for the equipment offered in the bid**

The cost to the Procuring Agency of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.
- (f) **Projected operating and maintenance costs during the life of the equipment;**

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

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

## 24. EVALUATION / QUALIFICATION CRITERIA

### 24.1 Merit Point System:

The following merit point system for weighing evaluation factors/criteria will be applied for technical proposals.

24.2 If a bidder fails to obtain “**minimum 10 marks for Software products and 20 marks for Hardware products**” against the criteria “**Conformity to the Purchaser's Specifications**” and **unable to provide valid manufacture Authorization** his offer will not be considered for further evaluation and rejected.

24.3 Bidders achieving minimum 70 marks will be considered only for further process. Documentary evidence must be attached in support of your claim.

## i. EVALUATION CRITERIA (SOFTWARE PRODUCTS)

### A. PRODUCT EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
<b>1</b>	<b>Conformity to the Purchaser's Specifications</b>	<b>15</b>
	Fully compliant with the required specifications	15
	Compliant with minor deviation (up to 10% subject to main function is not effected)	10
<b>TOTAL MARKS PRODUCT EVALUATION (A)</b>		<b>15</b>

### B. BIDDER EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
<b>3</b>	<b>Legal Requirement</b>	<b>17</b>
	Proprietary Software Development Firm	10
	Bid Form (without prices)	4
	Taxation Certificate (NTN and GST / SST) / Tender Purchase Receipt	3
<b>4</b>	<b>Technical Staff</b>	<b>10</b>
	Certified Engineers for quoted products 07 and more	10
	Certified Engineers for quoted products upto 05 Nos.	7
	Certified Engineers for quoted products upto 3 Nos.	05
<b>5</b>	<b>Execution and Implementation</b>	<b>10</b>
	Working methodology is clear and responds to Scope of Services	2
	Workflows are clearly defined and fulfill the institute's requirements	4
	Work Plan provides a detailed activity list	4
<b>6</b>	<b>Delivery</b>	<b>8</b>
	4 to 6 Months or earlier	8
	7 to 12 Months or earlier	4
<b>7</b>	<b>Past Experience / Performance</b>	<b>30</b>
	Relevant Experience of Turn Key Integrated Hospital Management	15

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
	Information System Projects	
	Relevant Support and Maintenance Experience of Turn-Key Solution of Integrated PACS & Hospital Management Information System of 300 Bed Hospital	10
	Integrated PACS Software Experience in Pakistan	5
<b>8</b>	<b>Financial Status</b>	<b>6</b>
	Bank Certificate	2
	Last year verified Balance Sheet / Income Tax Return Forms	2
	Yearly turn-over of over 50 Million	2
<b>9</b>	<b>Bonus points</b>	<b>4</b>
	After Sales Technical Support free of cost (the firm offered greater period will get the marks)	4
	<b>TOTAL BIDDER EVALUATION (B)</b>	<b>85</b>
	<b>GRAND TOTAL (A + B)</b>	<b>100</b>

## ii. EVALUATION CRITERIA (HARDWARE PRODUCTS)

### A. PRODUCT EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
<b>1</b>	<b>Conformity to the Purchaser's Specifications</b>	<b>25</b>
	Fully compliant with the required specifications	25
	Compliant with minor deviation (up to 10% subject to main function is not effected)	20
<b>2</b>	<b>Product Certification</b>	<b>15</b>
	Tier-1 / Platinum / AAA Partner	15
	Tier-2 / Gold / AA Partner	10
	Tier-3 / Silver / A Partner	5
	<b>TOTAL MARKS PRODUCT EVALUATION (A)</b>	<b>40</b>

### B. BIDDER EVALUATION

S#	PARAMETERS / SUB-PARAMETERS	Total Marks
<b>3</b>	<b>Legal Requirement</b>	<b>17</b>
	Manufacturer Authorization	10
	Bid Form (without prices)	4
	Taxation Certificate (NTN and GST / SST) / Tender Purchase Receipt	3
<b>4</b>	<b>Technical Staff</b>	<b>15</b>
	Certified Engineers for quoted products 07 and more	15
	Certified Engineers for quoted products upto 05 Nos.	10
	Certified Engineers for quoted products upto 3 Nos.	05
<b>5</b>	<b>Networking and Training</b>	<b>6</b>
	Networking setup across Pakistan (1 mark for each setup upto maximum 4). Presence in Karachi is mandatory requirement	4
	Certificate to the affect that the firm will provide training in the use of	2

<b>S#</b>	<b>PARAMETERS / SUB-PARAMETERS</b>	<b>Total Marks</b>
	equipment to the relevant technical staff.	
<b>6</b>	<b>Delivery</b>	<b>8</b>
	4 to 6 Weeks or earlier	8
	7 to 12 Weeks or earlier	4
<b>7</b>	<b>Past Experience / Performance</b>	<b>4</b>
	Satisfactory performance certificate for the quoted equipment from the institutions within Pakistan (1 mark for each certificate upto maximum 4)	4
<b>8</b>	<b>Financial Status</b>	<b>6</b>
	Bank Certificate	2
	Last year verified Balance Sheet / Income Tax Return Forms	2
	Yearly turn-over of over 50 Million	2
<b>9</b>	<b>Bonus points</b>	<b>4</b>
	Warranty period extension free of cost (the firm offered greater period will get the marks)	2
	Post warranty maintenance contract, including service and parts, rates (companies to offer percentage (%) of the contract value in the technical bid. The lowest will get the full marks.	2
<b>TOTAL BIDDER EVALUATION (B)</b>		<b>60</b>
<b>GRAND TOTAL (A + B)</b>		<b>100</b>

#### 24.2 Litigation History

The Bidder should not be involved in any litigation with the Procuring Agency/Govt. Deptt: (Provincial/Federal), else their bid will be rejected.

#### 25. CONTACTING THE PROCURING AGENCY

25.1 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 any bidder wishes to bring additional information to the notice of the Procuring Agency, it may do so in writing.

25.2 Any direct or indirect effort by a bidding firm to influence the Procuring Agency during the process of selection of a bidder or award of contract may besides rejection of its bid result into its disqualification from participation in the Procuring Agency's future bids.

#### 26. REJECTION OF BIDS

26.1 Notwithstanding anything stated here-before after the Procuring Agency may reject any or all bids at any time prior to the acceptance of a bid. The Procuring Agency may upon request, communicate to a bidder, the grounds for its rejection, but shall not be under obligation to justify those grounds.

#### 27. RE-BIDDING

27.1 If the Procuring Agency has rejected all bids, it may move for a re-bidding or may seek any alternative method of procurement under the provisions of the prevailing Rules.

28. ANNOUNCEMENT OF EVALUATION REPORT

28.1 The Procuring Agency will announce the Evaluation Report and the resultant acceptance or rejection of bids at least seven days prior to the award of procurement contract.

**25 AWARD OF CONTRACT**

29. ACCEPTANCE OF BID AND AWARD CRITERIA

29.1 The bidder with lowest evaluated bid under clause 22, 23 & 24, if not in conflict with any other law, rules, regulations or policy of the Government, will be awarded the contract within the original or extended period of bid validity.

30. PROCURING AGENCY'S RIGHT TO VARY QUANTITIES

30.1 The Procuring Agency reserves the right to increase or decrease the quantity of stores originally specified in the Price Schedule and Schedule of Requirements without any change in unit price or other terms and conditions.

31. LIMITATIONS ON NEGOTIATIONS

31.1 The Procuring Agency reserves the right to hold negotiation of rates, delivery schedule or completion schedule for all the items or any item.

31.2 Negotiations will not be used to change substantially:

- i. the technical quality or details of the requirement, including the tasks or responsibilities of the bidder or the performance of the goods;
- ii. the terms and conditions of the Contract and;
- iii. anything affecting the crucial or deciding factors in the evaluation of the proposals / bid and / or selection of successful bidder..

32. NOTIFICATION OF AWARD

32.1 Prior to the expiry of the original or extended period of bid validity, the successful bidder will be informed in writing of acceptance of its bid by the Procuring Agency.

33. SIGNING OF CONTRACT

33.1 While conveying acceptance of bid to the successful bidder, the Procuring Agency will send the bidder Contract Form provided in the bidding documents, incorporating all points of agreement between the Parties.

33.2 Ten days after the official announcement of the award, both the successful Bidder and the Procuring Agency will sign and date the Contract on legal stamp paper valuing 0.35% of the value of contract, (cost shall be borne by the



bidder). In case the successful Bidder, after completion of all codal formalities, shows inability to sign the Contract, its Bid Security shall be forfeited. The firm may also be blacklisted from taking part in any future bidding of Procuring Agency for a period upto five Years. In such a situation, the Procuring Agency may make the award to the next lowest evaluated responsive bidder or move for re-bid.

#### 34. PERFORMANCE SECURITY

34.1 The successful Bidder shall furnish Performance Security. Upon submission of Performance Security the Bid Security will be returned to the Bidder. The amount of Performance Security is specified at Bid Data Sheet.

34.2 Failure of the successful Bidder to comply with any of the requirements specified in this document shall be considered as 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 at the risk and cost of the former.

#### 35. CORRUPT OR FRAUDULENT PRACTICES

- 35.1 (a) the Procuring Agency and the Bidders / Manufacturers / Contractors are expected to observe the highest standard of ethics during the procurement and execution of the Contract. In pursuance of this policy, the relevant terms / phrases as may apply are defined below:
- (i) "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; 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) the Procuring Agency will take all possible administrative / legal measures if it is found that the Bidder recommended for award was / is engaged in corrupt or fraudulent practice(s) before or after signing of the contract resulting into the conviction of the proprietor under criminal case besides blacklisting of the firm either indefinitely or for such period of time as may be determined by the Procuring Agency.
- (c) will declare a firm ineligible, either indefinitely or for a stated period of time, for the award of a Contract if it, at any time, determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing a Contract.

## **B: General Conditions of Contract (GCC)**

### **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 Bidder, 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 Bidder under the Contract for the full and proper performance of its Contractual obligations.
- (c) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Procuring Agency under the Contract.
- (d) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance, printing of special instructions on the label and packing, design and logo of the Procuring Agency, transportation of goods up to the desired destinations and other such obligations of the Bidder 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 Dow University of Health Sciences, Karachi.
- (h) "The Bidder" means the individual or firm supplying the goods under this Contract.
- (i) "Day" means official working day excluding national holidays.

### **2. APPLICATION**

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

### 3. STANDARDS

3.1 The goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications goods eligibility criteria.

### 4. USE OF CONTRACT DOCUMENTS AND INFORMATION

4.1 The Bidder 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 Bidder in the performance of the Contract. Disclosure to such employed person shall be made in confidence and shall extend only, as far as may be necessary, to such performance and not further or otherwise.

4.2 Any document, other than the Contract itself, shall remain the property of the Procuring Agency and shall be returned (all copies) on completion of the Bidder's performance under the Contract.

4.3 The Bidder shall permit the Procuring Agency to inspect the Bidder's accounts and records relating to the performance of the Supplies.

### 5. PATENT RIGHTS

5.1 The Bidder 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 country.

### 6. ENSURING STORAGE ARRANGEMENTS

6.1 To ensure storage arrangements for the intended supplies, the Bidder shall inform the Procuring Agency at least two weeks prior to the arrival of the consignments at its store/warehouse. However, in case no space is available at its store/warehouse at the time of supply, the Procuring Agency shall, seven days prior to such a situation, inform the Bidder, in writing, of the possible time-frame of availability of space by which the supplies could be made. In case the Bidder abides by the given time frame, he will not be penalized for delay.

### 7. INSPECTIONS, TESTS AND TRAINING

7.1 The Procuring Agency or its representative shall have the right to inspect and/or test the goods to confirm their conformity to the Contract specifications at the cost payable by the Bidder.

7.2 The Procuring Agency's right to inspect, test and, where necessary, reject the goods either at Bidder's premises or upon arrival at Procuring Agency's destinations shall in no way be limited or waived by reasons of the goods having previously been inspected, tested, and approved by the Procuring

Agency or its representative prior to the goods shipment from the manufacturing point.

- 7.3 Any specialized training required for the smooth operation of the goods shall be the responsibility of the Bidder.

## 8. DELIVERY AND DOCUMENTS

- 8.1 The Bidder shall in accordance with the terms specified in the Schedule of Requirements make delivery of the goods. Details of documents to be furnished by the Bidder are specified in SCC.

## 9. INSURANCE

- 9.1 The goods supplied under the Contract shall be delivered to the Procuring Agency after the payment of all taxes and customs duty, cess, octroi charges etc. Risk will be transferred to the Procuring Agency only after the delivery of these goods has been made to the Procuring Agency. Hence, payment of insurance premium, if any, shall be the responsibility of the Bidder.

## 10. TRANSPORTATION

- 10.1 The Bidder shall arrange such transportation of the goods as is required to prevent them from damage or deterioration during transit to their final destination as indicated in the Schedule of Requirements.
- 10.2 The goods shall be supplied on "**D.D.P**" basis at the Dow University of Health Sciences, Karachi AND / OR "**CFR / C&F**" Basis at Karachi Port as per Schedule of Requirements on the risk and cost of the Bidder. Transportation including loading/unloading of goods shall be the responsibility of Bidder.

## 11. INCIDENTAL SERVICES

- 11.1 The Bidder will be required to provide to the Procuring Agency incidental services the cost of which should be included in the total bid price.

## 12. WARRANTY / GUARANTEE

- 12.1 The term period of comprehensive warranty / guarantee mean the period of **three (03) years** form the date on which the Stores have been put into operation and demonstrated to the University staff. In any case this period shall not exceed fourty two (42) months from the date of taking-over certificate.
- 12.2 During the period of warranty / guarantee, the Contractor shall remedy, at his / her expense, all defects in design, materials, and workmanship that may develop or are revealed under normal use of the goods upon receiving written notice from the University; the notice shall indicate in what respect the goods are faulty.

- 12.3 The provisions of this Clause include all the expenses that the Contractor 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 University premises.
- 12.4 The contractor shall provide warranty / guarantee for supply of parts, kits and chemicals, consumables, films etc. for at least 05 years (where applicable).
- 12.5 The contractor shall remain responsible for providing after sale services even after expiry of warranty / guarantee period and sign a Service Contract including Parts with Procuring Agency for 05 years (minimum). **Bidder shall separately quote the price of service contract inclusive of parts.**
- 12.6 In case of parts, consumable items, kits, chemicals, films etc. the contractor shall remain responsible for specificity, efficacy & sensitivity with maximum period of expiry as much allowed by manufacturer.
- 12.7 The Procuring Agency shall promptly notify the Bidder in writing of any claims arising out of this warranty.

### 13. PAYMENT

- 13.1 The method and conditions of payment to be made to the Bidder under this Contract are specified in SCC.

### 14. ASSIGNMENT

- 14.1 The Bidder shall not assign, in whole or in part, its obligations to perform to another party under this Contract, except with the Procuring Agency's prior written consent.

### 15. DELAYS IN THE BIDDER'S PERFORMANCE

- 15.1 Delivery of the goods shall be made by the Bidder in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements / Contract Award.
- 15.2 If at any time in the course of performance of the Contract, the Bidder encounters anything impeding timely delivery of the goods, he shall promptly notify the Procuring Agency in writing of the causes of delay and its likely duration. As soon as practicable, after receipt of the Bidder's notice, the Procuring Agency shall evaluate the situation and may, depending on merits of the situation, extend the Bidder's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the Parties by a supplementary Contract to be treated as an addendum to the original contract.
- 15.3 Any undue delay by the Bidder in the performance of its delivery obligations shall render it liable to the imposition of liquidated damages.

## 16. PENALTIES LIQUIDATED DAMAGES

16.1 In case of late delivery, even for reasons beyond control, penalty as specified in SCC will be imposed upon the Bidder / Manufacturer. The Procuring Agency may consider termination of the Contract in case there is an unusual delay in the delivery of the goods whereby the ongoing activity is likely to be affected seriously.

## 17. TERMINATION FOR DEFAULT

17.1 The Procuring Agency may, without prejudice to any other remedy for breach of Contract, by a written notice of default sent to the Bidder, terminate this Contract in whole or in part if:

- (a) the Bidder fails to deliver any or all installments of the goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency;
- (b) the Bidder fails to perform any other obligation(s) under the Contract to the satisfaction of the Procuring Agency; and
- (c) the Bidder, in the judgment of the Procuring Agency, has engaged itself in corrupt or fraudulent practices before or after executing the Contract.

## 18. FORCE MAJEURE

18.1 The Bidder shall not be liable for forfeiture of its Performance Guaranty/ Bid Security, or termination / blacklisting for default if and to the extent that this delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For the purposes of this Clause Force Majeure means an act of God or an event beyond the control of the Bidder and not involving the Bidder's fault or negligence directly or indirectly purporting to mal-planning, mismanagement and /or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the Bidder shall promptly notify the Procuring Agency in writing with sufficient and valid evidence of such condition and the cause thereof. The Committee, constituted for redressing grievances, will examine the pros and cons of the case and all reasonable alternative means for completion of purchase order under the Contract and will submit its recommendations to the competent authority. However, unless otherwise directed by the Procuring Agency in writing, the Bidder shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek reasonable' alternative means for performance not prevented by the Force Majeure event.

## 19. TERMINATION FOR INSOLVENCY

19.1 The Procuring Agency may at any time terminate the Contract by giving written notice of one month time to the Bidder if the Bidder becomes bankrupt or otherwise insolvent. In that event, termination will be without compensation

to the Bidder, provided that such termination will not prejudice or affect any right or remedy which has accrued or will accrue thereafter to the Parties.

## 20. ARBITRATION AND RESOLUTION OF DISPUTES

20.1 The Procuring Agency and the Bidder shall make every effort to resolve amicably by direct informal negotiations any disagreement or dispute arising between them under or in connection with the Contract.

20.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Bidder have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred to the Arbitrator for resolution through arbitration.

20.3 In case of any dispute concerning the interpretation and/or application of this Contract is to be settled through arbitration, the arbitrator to be appointed with the approval of the University's Syndicate. The decisions taken and/or award given by the sole arbitrator shall be final and binding on the Parties.

## 21. PACKING

21.1 The Bidder 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.

21.2 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.

## 22. GOVERNING LANGUAGE

22.1 The Contract shall be written in English language. All correspondence and other documents pertaining to the Contract, which are exchanged by the Parties, shall be written in English.

## 23. APPLICABLE LAW

23.1 This Contract shall be governed by the laws of Pakistan and the courts of Karachi - Pakistan shall have exclusive jurisdiction.

## C: NOTICE INVITING TENDER (NIT)

No. DUHS/DP/2017/ 28 Dated 27 October 2017

Bids are invited under sealed cover for the **Procurement of I.T. Equipment, Software and Ancillaries** on DDP / C&F basis from authorized Dealers / Distributors / Manufacturers, having registration with FBR / SBR for Income Tax and Sales Tax.

Tender Fee	Rs. 2,000/- (Rupees two thousand only) Non-Refundable in shape of Pay Order / Demand Draft in favor of Dow University of Health Sciences, Karachi
Bidding Procedure	Single Stage – Two Envelope
Bid Security	2% of the total bid value.
Purchasing Date & Time	10 to 24 November 2017
Bids Delivery Date & Time	25 November 2017 at 11:00 a.m.
Bid Opening Date & Time	25 November 2017 at 11:30 a.m. In case of any unforeseen situation or government holiday resulting in closure of office on the date of opening, bids shall be submitted / opened on next working day at the given time.

Bidding document may be purchased by interested bidders on the submission of a written application, NTN, GST Certificates and Pay Order / Demand Draft of tender fee during office hours. Bidding Documents are also available at DUHS and SPPRA websites. Interested Bidders may obtain further information personally from 11:00 A.M. to 02:00 P.M.

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 will be rejected.

The Dow University of Health Sciences, Karachi (DUHS) reserves the right to reject any or all the bids subject to the relevant provisions of SPP Rules 2010 (Amended 2013).

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



## D: 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). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

### INTRODUCTION

**ITB 1.1** Name of Procuring Agency: Dow University of Health Sciences, Karachi.

**ITB 1.1** Name of Contract:  
**Procurement of I.T. Equipment, Software and Ancillaries**

### THE BIDDING PROCEDURE

**ITB 4.1** Bids shall be accepted under the **Single Stage - Two Envelope Procedure**.

### PREPARATION OF BIDS

**ITB 7.1** Language of the bid shall be English

**ITB 9.6** **For the Goods offered within the Procuring Agency's Country:** the price quoted shall be on **delivered duty paid (DDP) Basis** at Consignee's End.

**For the Goods offered from Outside the Procuring Agency's Country:** the price quoted shall be on **CFR / C&F Karachi Basis**.

**ITB 10.1** **For the Goods offered within the Procuring Agency's Country:** the price quoted shall be in **Pak Rupees**.

**ITB 10.2** **For the Goods offered from Outside the Procuring Agency's Country:** the price quoted shall be in **Foreign Currency**.

**ITB 13.1** The Bid Security shall not be less than **2%** of the total Bid price in Pak Rupees.

**ITB 14.1** Bid validity period shall be **90 days**.

**ITB 15.1** If any bidder elects to submit alternative proposal(s), complete information on the alternative items including all data relating to technical specifications shall be provided.

## **SUBMISSION OF BIDS**

**ITB 16.1 (b)** The identification of this bidding process is:  
**Procurement of I.T. Equipment, Software and Ancillaries**  
**No. DUHS/DP/2017/ 28 Dated 27 October 2017**

**ITB 16.1 (c)** Dow University of Health Sciences (Ojha Campus), Procurement Directorate at Library Block, SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi.

“Must bear the name of the bidder” and a warning “Do Not Opened Before the time and date of bid opening”.

**ITB 17.1** Deadline for bid submission: **25 November 2017 at 11:00 a.m.**

## **OPENING & EVALUATION OF BIDS**

**ITB 20.1** The bid opening shall take place at:  
Dow University of Health Sciences (Ojha Campus), Procurement Directorate at Library Block, SUPARCO Road, off Main University Road, Gulzar-e-Hijri, Scheme No. 33, Karachi.

Date: **25 November 2017**

Time: **11:30 a.m.**

## **CONTRACT AWARD**

**ITB 31.1** Qty. could be increased or decreased during the contract period (including extended period) according to the actual requirement.

**ITB 34.1** The successful Bidder shall furnish the Performance Security equivalent to 5% of the total Contract amount from any scheduled banks in shape of Pay Order / Demand Draft / Call Deposit / Bank Guarantee. The Performance Guarantee/Security Form is provided in the bidding documents. Upon submission of Performance Security / Guarantee the Bid Security would be returned to the Bidder.

## E: Special Conditions of Contract (SCC)

### 1. DEFINITIONS (GCC CLAUSE 1)

GCC 1.1 (g) The Procuring Agency is the Dow University of Health Sciences, Karachi.

GCC 1.1 (h) The Bidder is: \_\_\_\_\_  
(name and address of the successful bidder)

### 2. BID SECURITY (ITB CLAUSE 13)

ITB 13.1 The Bidder shall furnish, as part of its financial proposal/bid, refundable Bid Security in Pak Rupees @ 2% of the total bid value in the shape of Bank Draft / Pay Order / Call Deposit / Bank Guarantee in the name of the Dow University of Health Sciences, Karachi. The financial bid found deficient of the Bid Security will be rejected. No personal cheque in lieu thereof will be acceptable at any cost. The previous Bid Security, if any, will not be considered or carried forward. However, the Bid Security of the successful Bidder will be returned upon submission of Performance Security equal to 5% of the Contract amount that will remain with the Dow University of Health Sciences, Karachi till satisfactory completion of the Contract period. 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

### 3. INSPECTIONS, TESTS AND TRAINING (GCC CLAUSE 7)

GCC 7.1, 7.2 & 7.3 The goods received in the Dow University of Health Services, Karachi from the Bidder will be thoroughly inspected and examined by a Committee to make sure that the goods received conform to the specifications laid down in the bid documents and which have been approved by the Procurement Committee for procurement. The Committee will submit its inspection report, any deficiency pointed out by the Committee shall have to be rectified by the Bidder free of cost. The Bidder will be responsible to provide the Foreign and or Local Training to the University Staff for the specialized Equipment.

### 4. DELIVERY AND DOCUMENTS (GCC CLAUSE 8)

GCC Clause 8.1 *(a) 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 GST), amount of GST and total amount (with GST).
- iv. Manufacturer's or Bidder's warranty certificate.
- v. Inspection certificate issued by the nominated inspection committee along with Bidder's factory inspection report.
- vi. Certificate of origin.

***(b) For Goods supplied from abroad as per INCOTERM CFR / C&F Karachi:***

Details of shipping and documents to be furnished by the Bidder shall be:

Upon shipment, the Bidder shall notify the Procuring Agency and the Insurance Company by telex or fax or email the full details of the shipment, including Contract number, description of Goods, quantity, the vessel / flight, the Bill of Lading / Air Way Bill number and date, port of loading, date of shipment, port of discharge, etc. The Bidder shall send the following documents to the Procuring Agency, with a copy to the Insurance Company:

- i. 04 copies of the Bidder's invoice showing the description of the Goods, quantity, unit price, and total amount.
- ii. Original and 04 copies of the negotiable, clean, on-board bill of lading / air way bill marked "freight prepaid" and 04 copies of non-negotiable bill of lading / air way bill.
- iii. 04 copies of the packing list identifying contents of each package.
- iv. Insurance certificate.
- v. Manufacturer's or Bidder's warranty certificate.
- v. Inspection certificate, issued by the nominated inspection agency along with Bidder's factory inspection report.
- vi. Certificate of origin.

The Procuring Agency shall receive the above documents at least one week before arrival of the Goods at the port or place of arrival and, if

not received, the Bidder will be responsible for any consequent expenses.

5. INSURANCE (GCC CLAUSE 9)

GCC 9.1 The goods supplied under the Contract shall be on DDP / CFR / C&F basis at consignee's end under which risk will be transferred to the Procuring Agency only after it has taken delivery of the goods. Hence insurance coverage is Bidder's responsibility.

6. WARRANTY / GUARANTEE (GCC CLAUSE 12)

GCC 12.1 **The goods shall be accompanied by manufacturer comprehensive onsite warranty / guarantee for 3 years including parts, labor and software.**

GCC 12.2 The Procuring Agency shall promptly notify the Bidder in writing of any claims arising out of this warranty.

GCC 12.5 **The bidder shall separately quote the price of service contract inclusive of parts for 5 years (minimum) in term of %age for total contract value on expiry of warranty period.**

7. PAYMENT (GCC CLAUSE 13)

GCC 13.1 The method and conditions of payment to be made to the Bidder under this Contract shall be as follows:

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

- (a) Payment shall be made in Pak Rupees.
- (b) The payment will be made to the Bidder within 30 days of the receipt of original delivery challan(s) and invoice(s) in duplicate duly completed in all respect and signed and stamped by the Chairman of the Inspection Committee. The Inspection Committee will prepare and submit a report of physical inspection with a certificate to the effect that the goods conform to the specifications laid down in the bidding documents.

**OR**

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

- (a) The Procuring Agency shall pay the Bidder or its Principal through irrevocable letter of credit opened in favor of the Bidder or Its Principal in a bank in its country, upon submission of all the requisite documents.
- (b) Bidder will bear all the additional bank charges inside and outside the Procuring Agency country on account of Confirmation of L/C, if he desire to establish a Confirmed L/C etc.

**OR**

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

- (a) The Procuring Agency shall pay the Bidder or its Principal through **3 years deferred payment** by irrevocable letter of credit opened in favor

of the Bidder or Its Principal in a bank in its country, upon submission of all the requisite documents.

- (b) Bidder will bear all the additional bank charges inside and outside the Procuring Agency country on account of Confirmation of L/C, if he desire to establish a Confirmed L/C etc.

## 8. PENALTIES/ LIQUIDATED DAMAGES (GCC CLAUSE 16)

GCC 16.1 In case deliveries are not completed within the time frame specified in the schedule of requirements / contract, 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 five 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.

## 9. "ARBITRATION" AND RESOLUTION OF DISPUTES (GCC CLAUSE 20)

GCC 20.3 Dispute resolution mechanism to be applied shall be as follows:

In case of any dispute concerning the interpretation and/or application of this Contract is to be settled through arbitration, the arbitrator to be appointed with the approval of the University's Syndicate. The decisions taken and/or award given by the sole arbitrator shall be final and binding on the Parties

## 10. PACKING (GCC CLAUSE 21)

GCC 21.1 The packing, marking and documentation within and outside the packages shall be as per manufacturer standards meeting the safety requirements of the goods.

## 12. GOVERNING LANGUAGE (GCC CLAUSE 22)

GCC 22.1 The language of this Contract shall be English.

## 11. APPLICABLE LAWS (GCC CLAUSE 23)

GCC 23.1 The Contract shall be governed by the Laws of Pakistan and the Courts of Pakistan shall have exclusive jurisdiction.

12. NOTICES

***Procuring Agency's address for notice purposes:***

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

***Bidder's address for notice purposes:***

Name of Bidder: \_\_\_\_\_

Name of Contact Person & Designation: \_\_\_\_\_

Phone No. \_\_\_\_\_

Fax No. \_\_\_\_\_

Mobile Phone No. \_\_\_\_\_

Email Address \_\_\_\_\_

# F: Schedule of Requirements

## 1. SCHEDULE OF REQUIREMENTS

### 1.1 For Goods supplied from within the Procuring Agency's country (DDP Basis)

- i) The entire quantity of the ordered goods shall be delivered within **30 days** or earlier from the date of issuance of supply order / contract award.
- ii) The delivery period shall start from the date of contract signature.

### 1.2 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 45 days**); the shipment schedule shall be submitted along with the offer, and shall be negotiable and subject to approval by the University.
- ii. The bidder must indicate in his offer the port **from where** the Stores will be **shipped**.
- iii. The delivery period shall start from the date of opening of letter of credit.



## G: Technical Specifications

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
1.	<b>Core i3 System</b> <ul style="list-style-type: none"> <li>- HP/Dell or Equivalent</li> <li>- Intel Core i3</li> <li>- Dual Core</li> <li>- 7<sup>th</sup> Generation</li> <li>- 8 GB RAM</li> <li>- 1 TB SATA HDD</li> <li>- Optical Mouse</li> <li>- Black Wired Keyboard English</li> <li>- Resolution 1920 X 1080</li> <li>- Free DOS</li> <li>- 21” LED Monitor</li> </ul>	200 Nos.
2.	<b>Core i5 System</b> <ul style="list-style-type: none"> <li>- HP/Dell or Equivalent</li> <li>- Intel Core i5</li> <li>- Quad Core</li> <li>- 7<sup>th</sup> Generation</li> <li>- 12 GB RAM</li> <li>- 1 TB SATA HDD</li> <li>- Optical Mouse</li> <li>- Black Wired Keyboard English</li> <li>- Resolution 1920 X 1080</li> <li>- Free DOS</li> <li>- 21” LED Monitor</li> </ul>	40 Nos.
3.	<b>Core i7 System</b> <ul style="list-style-type: none"> <li>- HP/Dell or Equivalent</li> <li>- Intel Core i7</li> <li>- Quad Core</li> <li>- 7<sup>th</sup> Generation</li> <li>- 16 GB RAM</li> <li>- 1 TB SATA HDD</li> <li>- Optical Mouse</li> <li>- Resolution 1920 X 1080</li> <li>- Black Wired Keyboard English</li> <li>- Free DOS</li> <li>- 21” LED Monitor</li> </ul>	30 Nos.
4.	<b>HP Envy or Equivalent</b> <ul style="list-style-type: none"> <li>- Intel Core i7</li> <li>- Quad Core</li> <li>- 7<sup>th</sup> Generation</li> <li>- 16 GB DDR 4 RAM</li> <li>- 1 TB SATA HDD</li> </ul>	4 Nos.

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	<ul style="list-style-type: none"> <li>- 256 GB SSD</li> <li>- Resolution 1920 X 1080</li> <li>- 17.3" FHD WLED- Backlit</li> <li>- Wireless Mouse</li> <li>- Head Phone</li> <li>- DVD+/-RW</li> <li>- Free DOS</li> <li>- 1 Year Card Warranty</li> <li>- Original Company Carry Bag</li> </ul>	
5.	<p><b>HP Elite Book Pro or Equivalent</b></p> <ul style="list-style-type: none"> <li>- Intel Core i7</li> <li>- Quad Core</li> <li>- 7th Generation</li> <li>- 16 GB DDR 4 RAM</li> <li>- 1 TB SATA HDD</li> <li>- 256 GB SSD</li> <li>- Resolution 1920 X 1080</li> <li>- 15.6" LED - Backlit</li> <li>- Wireless Mouse</li> <li>- Head Phone</li> <li>- DVD+/-RW</li> <li>- Free DOS</li> <li>- 1 Year Card Warranty</li> <li>- Original Company Carry Bag</li> </ul>	8 Nos.
6.	<p><b>Dell Latitude - Rugged Extreme Laptop or Equivalent</b></p> <ul style="list-style-type: none"> <li>- Extreme Rugged</li> <li>- Intel Core i5</li> <li>- Dual Core</li> <li>- 8 GB RAM</li> <li>- 500 GB HDD</li> <li>- 14" LCD</li> <li>- Wireless Mouse</li> <li>- DVD+/-RW</li> <li>- Free DOS</li> <li>- 1 Year Card Warranty</li> <li>- Original Company Carry Bag</li> </ul>	2 Nos.
7.	<p><b>Dell Power Edge R740 Rack Server or Equivalent</b></p> <ul style="list-style-type: none"> <li>- 2 x Intel Xeon Platinum 8153 2.0G, 16C/32T, 10.4GT/s 3UPI, 22M Cache, Turbo, HT (125W) DDR4-2666</li> <li>- Chassis with up to 8 x 2.5" SAS Hard Drives for 2CPU Configuration</li> <li>- 2 Standard Heatsinks for greater than 125W CPUs (no GPU)</li> <li>- 8 x 32GB RDIMM, 2666MT/s, Dual Rank</li> <li>- PERC H730P+ RAID Controller, 2Gb NV Cache, Adapter, Low Profile</li> <li>- iDRAC9, Express</li> </ul>	2 Nos.

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	<ul style="list-style-type: none"> <li>- Broadcom 57416 2 Port 10Gb Base-T + 5720 2 Port 1Gb Base-T, rNDC</li> <li>- No Operating System</li> <li>- 4 x 300GB 15K RPM Hot Plug Hard</li> <li>- Drive SAS 12Gbps 2.5inch</li> <li>- Chassis should have 8 x 2.5-inch HDD support</li> <li>- Rack Mount Kit</li> </ul>	
8.	<p><b>Dell Power Edge R740 Rack Server or Equivalent</b></p> <ul style="list-style-type: none"> <li>- Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s 2UPI, 14M Cache, Turbo, HT (85W) DDR4-2400</li> <li>- System should be capable enough to support maximum 2 CPU</li> <li>- 1 x 800GB SSD SAS Write Intensive 12Gb 2.5inch Hot-plug Drive,</li> <li>- 3 x 1.8TB 10K RPM SAS 12Gbps 2.5inch Hot-plug Hard Drive</li> <li>- Chassis should have 8 x 2.5-inch HDD support</li> <li>- 2 Standard Heatsinks for greater than 125W CPUs (no GPU)</li> <li>- 4 x 32GB RDIMM, 2666MT/s, Dual Rank</li> <li>- 2 x 10Gb Base-T &amp; 2 x 1GB Base-T Network ports</li> <li>- PERC H730P+ RAID Controller, 2Gb NV Cache, Adapter, Low Profile</li> <li>- iDRAC9, Express</li> <li>- Broadcom 57416 2 Port 10Gb Base-T + 5720 2 Port 1Gb Base-T, rNDC</li> <li>- No Operating System</li> <li>- DVD+/-RW, SATA, Internal</li> <li>- Rack Mount Kit</li> <li>- 3 Years Principal Direct Warranty &amp; Support</li> </ul>	16 Nos.
9.	<p><b>Dell EMC Unity 300 Unified Storage Solution or Equivalent</b></p> <p>(Including 200GB FAST Cache, Flash, SAS, And NL-SAS With Latest Disk Drive Set Technology)</p> <ul style="list-style-type: none"> <li>- Maximum Raw Capacity: 2.34 PB</li> <li>- Storage Array: 48TB usable Unified Storage</li> <li>- Controllers/ Engines: The proposed system must have dual controllers with Active/Active feature.</li> <li>- Controller/Disk Enclosure Interface: 12Gbps SAS Backend</li> <li>- Controller Cache: At-least 48GB Cache per array</li> <li>- Expandable Read &amp; Write SSD Cache: Should provide 200GB Read and Write SSDs cache and should be expandable / scalable up to 800GB. OR Should provide additional 200GB DRAM cache per array</li> <li>- Capacity Breakup: <ul style="list-style-type: none"> <li>- 2.86 TB Usable on SSD Using RAID5</li> <li>- 12.89 TB Usable on SAS 10K RPM Using RAID5</li> <li>- 32.24 TB Usable on RAID6 Using NL-SAS</li> </ul> </li> <li>- Disk Storage Architecture and Host Interface: At least 4 x 16Gbps FC ports required,</li> <li>- 4x 10Gb ISCSI</li> <li>- Support for RAID 0, 1, 5, 6 and 10</li> <li>- Should Support at-least 2TB, 4TB and 6TB NL-SAS Drives.</li> </ul>	1 No.

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	<ul style="list-style-type: none"> <li>- Encryption Method: Storage System should be capable of hardware level encryption without any performance impact.</li> <li>- Point-in-Time Copy: Should have Comprehensive point-in-time snap copy software</li> <li>- Replication Support: <ul style="list-style-type: none"> <li>- Should support Sync and A-sync Replication feature with Continuous Data Protection Technology. Replication Should also support Data De-Duplication and Compression for efficient use of Bandwidth</li> </ul> </li> <li>- Protocols supported: <ul style="list-style-type: none"> <li>- Proposed storage should support well-known protocols like FC, ISCSI, FCOE, CIFS &amp; NFS</li> </ul> </li> <li>- Automated Storage Tiering: Provides ability to dynamically move data between different types of drives or storage tiers to ensure optimization. Data movement between storage tiers must be automated, transparent to applications and based on advanced analysis of historical data access patterns. Data movement between storage tiers must be performed at the sub logical unit (LUN) level to ensure optimization.</li> <li>- Compression: Storage should support compression on Flash SSD drives / All flash drives pool</li> <li>- Thin Provisioning: Ability to thin or over provision space allocated to hosts, Should Support VMware VVols with concurrent support, iSCSI, and Fibre Channel protocols</li> <li>- Storage Monitoring Software &amp; Storage Management Software: The storage management software must have discovery, monitoring, asset and capacity reporting. The storage management software must support interception of Storage-related indications (converted SNMP traps). The storage management software must support the ability to produce detailed reports and graphs on storage current and historical utilization trends. The storage management software should provide integration with VMware and Hyper-V management software.</li> <li>- Multi-pathing Software: Should support native multipath device drivers / software for the host operating systems (AIX, Windows, Linux, VMware etc.)</li> <li>- SAN Fabric Specifications: <ul style="list-style-type: none"> <li>Two SAN switches with at least 16 x 16Gbps ports active (Per Switch) (scalable to 24 Ports per switch)</li> <li>16 Gbps SW SFP+ Transceiver for all active ports per each switch.</li> <li>Fibre Cable LC/LC (OM4) 5m x 24 multimode</li> <li>Redundant Power Supply and rail kits must be provided for all switches.</li> </ul> </li> <li>- Support &amp; Warranty: <ul style="list-style-type: none"> <li>All equipment should be quoted with three (3) years comprehensive support, including parts and labor. No additional charges would be paid on account for labor charges.</li> <li>Three (3) years Onsite support 24/7 by Principal.</li> </ul> </li> </ul>	

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	<b>DS-6505R-B 12P/24P 16GB RTF BASE SWITCH</b> - DS-6505R-B 12P/24P 16GB RTF BASE SWITCH - 2 C13 PWRCORDS W/ BSI 1363 250V 10A - DS-6510-B RACK MOUNT KIT - OM4 50/125 MICRON OPTICAL CBL LC-LC 5M - 36-Months PROSUPPORT W/NBD-HARDWARE WARRANTY - 36-Months PROSUPPORT W/MISSION CRITICAL-HW WARRANTY	2 Nos.
10.	<b>APC Smart-UPS 5,000VA 230V Rackmount</b> Standard Battery Pack with Backup Up to 1:30 Hour	3 Nos.
11.	<b>APC Smart-UPS 10,000VA 230V Rackmount</b> Standard Battery Pack with Backup Up to 1:30 Hour	1 No.
12.	<b>Core Router (Ojha Campus)</b> Cisco ISR 4451-X (4 GE, 3 NIM, 2 SM, 8 GB FLASH, 2 GB DRAM (data plane), 4GB DRAM (control plane), Dual power supply, Rack mount	1 No.
13.	<b>Router (For Small Campuses) [LEJ, Nazimabad, IPMR, DIDC]</b> Cisco 2901 (2 onboard GE, 4 EHWIC slots, 2 DSP slots, 1 ISM slot, 256MB CF default, 512MB DRAM default, IP Base)	4 Nos.
14.	<b>Switches (DMC/Ojha)</b> Cisco 2960X-48TS-L	16 Nos.
15.	<b>Switches (Ojha)</b> Cisco 2960X-24TS-L	5 Nos.
16.	<b>Switches (Ojha/DMC)</b> Cisco 2960XR-48TD-I, IP lite license	2 Nos.
17.	<b>Switches (Ojha)</b> Cisco WS-C3850-48T-S, C3850-NM-2-10G, IP base Layer3 license  With Compatible 10G Single Mode SFP Pair	3 Nos.
18.	<b>Control Room SFP Switch</b> Cisco WS-C3850-24S, C3850-NM-2-10G, IP base Layer3 license  With Compatible 10G Single Mode SFP Pair	2 Nos.
19.	<b>Firewall Fortinet FortiGate</b> - FG – 1200D - BDL - 950 – DD Hardware Plus 24x7 FortiCare and FortiGuard UTM 3 years Bundle - FT-FGT2 - NSE 4/FortiGate II - (Three NSE 4/FNSP Vouchers included) - FT-FGT1 - Three NSE 4/FortiGate I - Training	1 No.

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20.	<b>VM Ware License</b>	
	- VMware vSphere 6 with Operations Management Enterprise Plus for 1 processor	12 Nos.
	- Production Support/Subscription VMware vSphere 6 with Operations Management Enterprise Plus for 3 years	12 Nos.
	- VMware vCenter Server 6 Foundation for vSphere up to 3 hosts (Per Instance)	3 Nos.
	- Production Support/Subscription VMware vCenter Server 6 Foundation for vSphere up to	3 Nos.
	- Hosts (Per Instance) for 3 years	3 Nos.
21.	<b>Communication Rack</b>	
	- 9u (Wall Mount) with Cooling Fan	10 Nos.
	- 27u (4 Post Rack) with Cooling Fan	6 Nos.
	- 42u (4 Post Rack) with Cooling Fan	4 Nos.
22.	<b>KVM Switch – 1U Rack Mount</b> (H x W x D) Dell 18.5in LED KMM, 1 U: 1.75 x 17.37 x 20.6 in (4.44cm x 44.12cm x 52.32 cm)  Dell Digital KVM: 1.72 x 17.00 x 9.20 in (4.39cm x 43.18 x 23.69)	
	<b>8 Port:</b> Single Power Supply AC input range: 100 - 240 VAC AC frequency: 50/60 Hz auto-sensing AC input current rating: 1.25 A AC input power (maximum): 40W	3 Nos.
	<b>16 Port:</b> Dual Power Supplies AC input range: 100 - 240 VAC AC frequency: 50/60 Hz auto-sensing AC input current rating: 1.25 A AC input power (maximum): 40W	1 No.
23.	<b>Network Printers</b> HP LaserJet M605dn or Equivalent	10 Nos.
24.	<b>High Speed Laser Printer</b> HP LaserJet M501dn or Equivalent	20 Nos.
25.	<b>Normal Laser Printer</b> HP LaserJet Pro M402dn or Equivalent	50 Nos.
26.	<b>All-In-One Printer</b> HP LaserJet Pro MFP M426fdn or Equivalent	15 Nos.

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27.	<b>Color Printer (All-In-One)</b> HP Color LaserJet Pro MFP M477fdw or Equivalent	10 Nos.
28.	<b>Thermal Printer</b> Zebra/Black Cooper/Epson Turbo Thermal Printer	20 Nos.
29.	<b>Patch Cords</b> 3M or Equivalent (1 Meter)	3,000 Nos.
30.	<b>Patch Cords</b> 3M or Equivalent (2 Meter)	500 Nos.
31.	<b>Patch Cords</b> 3M or Equivalent (12 Meter)	30 Nos.
32.	<b>Fiber Splicing Machine</b> <ul style="list-style-type: none"> <li>- One key automatic splicing save splice steps</li> <li>- 9S splicing and 28S heating</li> <li>- 310X magnification</li> <li>- 3.7” High resolution color LCD</li> <li>- 5000 splicing results storage</li> <li>- 6 Motors 3 Axle alignment make lower loss</li> <li>- 6-direction 30 Inch drop proof</li> <li>- 6 Motors 3 Axle alignment provide a high-class performance</li> <li>- Interchangeable universal holder</li> <li>- SC compatible</li> <li>- Brand New V groove design to make a faster and easier operation</li> <li>- 8800mAH high capacity replaceable battery to extend your productivity</li> <li>- Reliability and Durability: Anti-Shock, Waterproof, Dustproof</li> </ul>	1 No.
	<b>Ceiling Mount Multimedia</b> <ul style="list-style-type: none"> <li>- Projection Technology: RGB liquid crystal shutter projection system (3LCD)</li> <li>- LCD Size: 0.67” (D10, C2fine)</li> <li>- Native Resolution: WUXGA</li> <li>- Projection Lens (Type): Optical Zoom (Manual) / Focus (Manual)</li> <li>- F-Number &amp; Focal Length: 1.50 - 1.71   20.42 - 24.50 mm</li> <li>- Lamp Type: 200W UHE</li> <li>- Lamp Life (Nor/Eco): 5,000 hours / 10,000 hours</li> <li>- Screen Size (Projected Distance): Zoom: Tele - 30” - 300” [1.07 - 10.98 m]   Standard Size - 60” screen 1.8 - 2.17 m</li> <li>- Brightness: 3,200lm Color   3,200lm White</li> <li>- Lumens: 3200 or more</li> <li>- Contrast Ratio: 15,000:1</li> <li>- Connectivity: D-Sub 15 pin, Composite, S-Video, HDMI, Audio Input, USB Type A, USB Type B, Wireless Lan (optional)</li> </ul>	20 Nos.

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	<p><b>Toner and Cartridge</b>            -HP 17A or Equivalent            -Color(s) of printing supplies: Black            -Print technology: Laser            -Page yield (black and white): 1,600 pages</p>	20 Nos.
	<p><b>Bar Code Label Printer</b>            -TSC TA210 Barcode Printer or Equivalent            -200 MHz 32-bit RISC processor with 8 MB SDRAM, 4MB FLASH memory            -Internally Scalable True Type fonts            -TSPL-EZ™ firmware emulates TPLE and TPLZ languages out of the box            -Dual-motor gear driven design            -300-meter ribbon supply on a 1” core (coated side out)            -5” OD internal media supply, optional external media holder supports 8.4” OD label rolls on 3” cores            -5 inches per second print speed            -USB 2.0            -Free bundled labeling software and Windows drivers            -ENERGY STAR qualified</p>	20 Nos.
	<p><b>Handheld Barcode Scanner</b>            -Symbol Motorola LS2208 Barcode Scanner or equivalent            -Corded/cordless: Corded            -Data capture: 1D            -Scan type: Single line            -Scan rate: 100 scans per second            -Working range: Up to 17 inches on UPC/EAN barcodes            -Rugged specs: 5 ft. drops to concrete            -Warranty: Yes (Replacement)</p>	10 Nos.
33.	<p><b>Video Wall</b>            - VM1600 Modular Matrix Switch (<b>1 No.</b>)            - VM8804 4-Port HDMI Output Board with Scaler (<b>4 Nos.</b>)            - VM7804 4-Port HDMI Input Board (<b>4 Nos.</b>)            - LG 49VL5B Professional Series OR SAMSUNG UH55F-E Professional Series (<b>12 Nos.</b>)            - Wall Mount Stands (<b>12 Nos.</b>)            - Vivanco 2.0 HDMI 15-meter Cable (<b>16 Nos.</b>)            - Controlling Software (<b>1 No.</b>)</p>	1 No.
34.	<p><b>Main Camera</b></p> <ul style="list-style-type: none"> <li>▪ PTZ camera</li> <li>▪ Total Field view: 200°</li> <li>▪ Ultra-quiet and fast action</li> <li>▪ Optical zoom: 10 X or higher</li> <li>▪ Auto focus</li> <li>▪ Camera Presets</li> </ul>	1 No.



Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	<ul style="list-style-type: none"> <li>▪ Voice-activated</li> <li>▪ Multipoint 1+6</li> <li>▪ Content Sharing</li> <li><b>Video Inputs</b></li> <li>▪ 1 X HDCI</li> <li>▪ 1 X HDMI 1.3</li> <li>▪ 1 X VGA</li> <li>▪ Main camera interface</li> <li>▪ 1 X DV Interface</li> <li><b>Video Output</b></li> <li>▪ 2 X HDMI 1.3</li> <li>▪ Optional Output</li> <li><b>Audio Input</b></li> <li>▪ 1 X HDMI</li> <li>▪ 1 X microphone along with mic and accessories</li> <li>▪ USB Headset Support</li> <li>▪ 1x Stereo 3.5MM</li> <li><b>Audio Outputs</b></li> <li>▪ 1 X HDMI</li> <li>▪ USB Headset Support</li> <li>▪ 1 x Stereo 3.5MM</li> <li><b>Video Resolution, features and Protocols</b></li> <li>▪ PAL &amp; NTSC format resolutions: 4 CIF, 4SIF, SIF, CIF,</li> <li>▪ QSIF, QCIF</li> <li>▪ XGA, SVGA, VGA</li> <li>▪ 16:9 or 4:3 display aspect ratio</li> <li>▪ Picture in Picture</li> <li>▪ H.261, H.263, H.263+, H.263++ or other HD ITU standards</li> <li><b>Audio Protocols and Features</b></li> <li>▪ G.722.1, G.722, G711, G.728, MPEG4-AAC- LD (adv: audio coding), SIP, H.323 or other ITU standards</li> <li>▪ Lip Synchronization</li> <li>▪ Super sound quality</li> <li>▪ Full duplex</li> <li>▪ connect to VCR/DVD(R)</li> <li><b>Frame Rate</b></li> <li>▪ 30-60 frames per second</li> <li><b>Digital Tabletop Microphones</b></li> <li>▪ 360° voice pick up</li> <li>▪ clear voice up to 10 feet away from mic</li> <li>▪ mute button</li> <li><b>User Interfaces</b></li> <li>▪ Standard Operating System with user friendly web Support</li> <li><b>Network Interface and Features</b></li> <li>▪ IP based</li> <li>▪ LAN RJ-45 (10/100/1000 MBPS) X 1</li> <li>▪ 1 X USB</li> <li>▪ 802.11b</li> </ul>	

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	<ul style="list-style-type: none"> <li>▪ VoIP</li> <li>▪ PCMCIA slot with card</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>▪ Access rights and passwords</li> <li>▪ AES (Adv: Encryption Standard) encryption H.235</li> </ul> <p><b>Electrical</b></p> <ul style="list-style-type: none"> <li>▪ Operational voltage 90-240 VAC, 50/60 Hz</li> </ul> <p><b>Operating Environment</b></p> <ul style="list-style-type: none"> <li>▪ Operating Temperature 5° - 50° C</li> <li>▪ Storage Temperature -40 to 60° C</li> <li>▪ Relative Humidity 15% to 80%</li> </ul>	
35.	<p><b>Communication System</b></p> <ul style="list-style-type: none"> <li>▪ Revolabs - 10-YVC1000-EU</li> <li>▪ Yamaha YVC-1000 Unified Communications Microphone &amp; Speaker System Along with Bluetooth Mobile live connectivity.</li> </ul> <p><b>Additional Microphones</b></p> <ul style="list-style-type: none"> <li>▪ Revolabs - 10-YVCMIC1000EX</li> <li>▪ Yamaha YVC-1000 Omnidirectional Extension Microphone (<b>4 Nos.</b>)</li> </ul>	1 No.
36.	<p><b>Audio System</b></p> <ul style="list-style-type: none"> <li>▪ Audio Mixer</li> <li>▪ ClearOne - 910-151-882</li> <li>▪ CONVERGE Pro 880TA: 8 channel AEC microphone mixer with built in telephone hybrid and 4 channel amplifiers. DSP with 8 Mic/Line inputs, 4 Line inputs, 8 Line outputs.</li> <li>▪ Wireless Microphone System</li> <li>▪ Revolabs - 03-HDEXECEU-NM</li> <li>▪ Executive HD System 8-Channel, without Mics (<b>6 Nos.</b>)</li> <li>▪ Table Top Mic (For Students)</li> <li>▪ Revolabs - 03-HDTBLMICEU-DR-11 (<b>2 Nos.</b>)</li> <li>▪ HD Directional Microphone</li> <li>▪ Wearable Mics (For Instructors)</li> <li>▪ Revolabs - 03-HDEXEMICEU-11</li> <li>▪ HD Microphone (<b>6 Nos.</b>)</li> </ul> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>▪ Ceiling Speakers</li> </ul> <ul style="list-style-type: none"> <li>▪ AV wires and Interconnects</li> <li>▪ Installation &amp; Commissioning</li> <li>▪ Programming</li> </ul>	1 No.
37.	<p><b>Assets, Complaints &amp; Gate pass Management System</b></p> <p>A robust Asset, Gate Pass &amp; Maintenance Management System is required involving management of large number of assets and where operational availability is critical. The DUHS environment demands high availability of</p>	1 No.

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	<p>equipment to maximize operational and cost efficiency.</p> <p>The system will interface into the financial and sourcing operations, ensuring repair works are clearly identified and repairs undertaken in the shortest possible time.</p> <p>The system provides a complete electronic solution from receipt of equipment at store, placing of equipment at site, maintenance work, and purchase of replacement equipment to greatly enhance the maintenance efficiency of an organization:</p> <ul style="list-style-type: none"> <li>- Major facilities are linked via LAN to the AMS providing a “real time” fault report</li> <li>- A “paper free” maintenance environment where all the registration of assets and store transactions are undertaken electronically</li> <li>- Web/Network based “on line” access to status of the maintenance works being undertaken</li> <li>- Network based “on line” access on the store and store transactions</li> <li>- Network based “on line” access to the employee resources, maintenance financial costs, and supplier purchasing information.</li> <li>- Computer generated maintenance planning scheduling based on equipment information</li> <li>- Detailed statistics and reports on maintenance costs, resources, and stock levels</li> <li>- System &amp; database will be compatible for integration with all the given solutions &amp; platforms</li> <li>- Operation, maintenance &amp; managed services of all above-mentioned systems will be responsibility of the selected vendor for 3 years, including onsite Training.</li> <li>- During these 3 years, whenever there is new induction of employees or transfer of employees into the hospital, they will completely trained</li> </ul>	
38.	<p><b>Research &amp; Cancer Registry Information Management System</b></p> <p>DUHS had deployed Hospital Management System, which is aimed to provide healthcare services in an advance mode. One of the main functions of DUHS is doing research and for this an integrated Research Management System is required within the HMS. Researchers need to have complete picture of healthcare data of the predefined data schema —or so-called longitudinal view to make the most informed data choices as well as enable improved research quality and patient safety.</p> <p>The Research Module should facilitate researchers to search specific reports, examinations and patients within the entire database with the smallest time. It should contain flexible searching parameters such as period, gender, age, referrer, region, method, examination, diagnosis code, keyword, report text etc. The module should be able to mark interesting cases for trainings, Continuing Education, lectures or to discuss case collection with colleagues.</p>	1 No.
39.	<p><b>Cardiology Images Management &amp; Tele-Reporting System</b></p> <p>Dow Institute of Cardiology OF DUHS is adding new Diagnostic Facilities like ECG, Angiography Echo modalities; this will require Images, Tele-Reporting for online access and availability of Image Storage and configuration with</p>	1 No.

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	<p>CARDIO PACS and integration of new modalities to be added later. DIC is required storage management system and support services for 5 years, vendor is required to provide appropriate PACS Data Storage Active Passive devices. Installation and deployment of the system will also be required on the following items and terms:</p> <ul style="list-style-type: none"> <li>- Customization and Integration of Compression with modalities to minimize the Network load.</li> <li>- Cardio PACS integration with supplied Data Storage and server.</li> <li>- Cardio PACS data replication configuration and management.</li> <li>- Technical training of the IT person is required.</li> <li>- Technical and user Support of the supplied items.</li> <li>- Cloud Data Storage Services for 3 years.</li> <li>- Adherence to healthcare standards such as DICOM, HL7 and integration with DICOM Storage Class Server, file system content and Content and meta-data index.</li> <li>- System &amp; database will be compatible for integration with all the given solutions &amp; platforms</li> <li>- Operation, maintenance &amp; managed services of all above-mentioned systems will be responsibility of the selected vendor for 3 years, including onsite Training.</li> <li>- During these 3 years, whenever there is new induction of employees or transfer of employees into the hospital, they will be completely trained.</li> <li>- Company will be responsible for the deployment, operation and uninterrupted maintenance of the provided systems and hardware for 24 hours a day, 7 days a week and 365 days a year i.e. 24/7/365.</li> </ul> <p>The company will provide appropriate skilled staff members and a maintenance service center in the Hospital</p>	
40.	<p><b>HA / Offline System for Collection Centers</b>  Dow Diagnostic Reference &amp; Research Laboratory (DDR&amp;RL) needs system which will work when there is no Connectivity with the Central Database &amp; Application. It will register patients, book orders and manage barcode printing at every collection center during non-availability of MAN / WAN / Internet at any side, to provide 24/7 system access to collection centers as well as other locations outside the hospital. The data will be moved via USB/Internet whichever is available to the central database on daily basis. Installation and deployment of the system will also be required on the following terms</p>	1 No.
41.	<p><b>Bone Marrow Transplant Management System</b>  Software platform for complete management of Hematopoietic Stem Cell Transplantation will help to implement quality assurance programs according to FACT/JACIE standards. Comprehensive data recording, analyzing and reporting for all stages of Bone Marrow Transplant including enrolment, preparation and follow-up. While integrating with Electronic Medical Record (EMR) system specifically designed for DUHS patients, it facilitates data reporting to international transplant organizations such as the Center for International Blood and Marrow Transplant Research (CIBMTR) or the European Group for Blood and Marrow Transplantation (EBMT). It is aimed to provide professional</p>	1 No.

Item No.	Name of Goods, Technical Description, Specifications and Standards	Qty
	development tools, core competency assessments and monitoring as well as medical error management. Drugs and consumable supplies inventory, equipment maintenance management as well as patient-specific and general cost tracking are provided through a single interface.	
42.	<p><b>Dow Diagnostic Reference &amp; Research Laboratory Inventory Management System</b></p> <p>Dow Diagnostic Reference &amp; Research Laboratory (DDR&amp;RL) requires integrated software system as an extension of the existing Central Database to maintain sufficient reagents and other chemicals for patient testing; Track dates when a lot number was in use and none of the reagents are expired; Improve operating budget by limiting the on-hand inventory and associated costs; Know when to order reagents and in what quantity; and Operate within established regulatory guidelines and good laboratory practice.</p> <p>Tracking items by scanning a barcode label; Tracking items sent to offsite locations; Calculating the inventory valuation; Maintaining a complete vendor database including the purchase order/contract which contains the details; Analyzing / reporting on all aspects of inventory/purchasing.</p> <p>The system will be customized as per DDR&amp;RL Requirements. Administrative reports related to Item Consumed, Stock Level, Issuance Management, Reagent and Supply Usage Analysis, Item Receipt Registration and History, Reagent Lot Number Registration and History with Auto Notification, Supply Management, Administration and Request, Back-Orders etc. are required.</p>	1 No.

**SPECIAL NOTE:**

1. Licenses of software required for the virtualization and configuration for the storage system should clearly mentioned giving cost per processor / per server / per user, whichever the case is.
2. Operation, maintenance & managed services of all above-mentioned systems will be responsibility of the supplier for 3 years, free of cost.
3. All licenses should be in the name of the client.
4. DUHS IT team will made part of deployment and integration of the software / hardware to ensure smooth transition and complete data security with redundant options.
5. The successful bidder will be required to migrate data from the existing systems to the new solution. The exact scope of data to be migrated will be determined in consultation with the successful firm and data owners.
6. All active equipment should have three years comprehensive onsite warranty including parts, labor and Software, Upgrades/ License renewals and should be from same brand.
7. The end user licenses, end user warranties and end user contracting support services will be in the name of Customer, for all the equipment and Software loaded on the equipment delivered during the course of the project.

8. Selected Bidder will be responsible for the supply, Installation, configuration integration, testing and commissioning of supplied equipment and components at DUHS designated sites as per requirement. At the time of installation and commissioning, selected Bidder must provide comprehensive documentation of Configuration and Manuals etc.
9. The above hardware would be kept under test run for 02 weeks.
10. Necessary Trainings will be provided to Team. Bidder will train DUHS IT professionals on handling and configuration of all hardware and software.
11. Two to Three person's foreign / Local training required as Free of Cost (FOC) as OEM of proposed systems / Equipment / Software as per the following criteria each:
  - i) Supplied Network Switches Configurations and Management (2-3 Persons) Local / Inland Training Certifications.
  - ii) PACS Data Management and Configuration with the Supplied Storage System (2-3 Persons) Foreign Training Certifications
  - iii) Supplied Firewall Configurations and Management (2-3 Persons) Foreign Training Certifications
  - iv) Two to Three person gratis foreign training for Integration of HMIS / PACS / Offline System
12. The Purchaser will evaluate and compare the bids on itemized basis OR on the basis of a group OR a combination of groups OR as total of groups.
13. 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.
14. Priority would be given to the goods manufactured in UK / USA / EU / JAPAN.
15. The above specifications 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. has only been used for the reference purpose. Goods offered "AT LEAST EQUIVALENT" to requisite specifications shall also be considered.
16. Equipment must be quoted with all the standard accessories.
17. UPS/Power protection for the equipment shall be incorporated in the systems, otherwise prices must be quoted separately.
18. The bidder shall separately quote the price of service contract inclusive of parts as well as excluding the parts for 5 years (minimum) in term of %age for total contract value.











2. (a) **PRICE SCHEDULE IN PAK RUPEES delivered duty paid (DDP BASIS)**

**FOR GOODS OFFERED WITHIN THE PROCURING AGENCY'S COUNTRY**

S#	Detailed Specification of Goods	Model / Cat No.	Name of Manufacturer	Country of Origin	Quantity of Stores	Unit	Rate Per Unit without taxes	Taxes	Rate Per Unit including taxes	Total Price
1	2	3	4	5	6	7	8	9	10	11
<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:**

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 / C&F BASIS)**

**FOR GOODS OFFERED FROM OUTSIDE THE PROCURING AGENCY'S COUNTRY**

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