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Liaquat University of Medical & Health Sciences, Jamshoro



BID DOCUMENTS

"UP	GRADATION	OF EXISTING	DATA CENT	TER OF INFO	RMATION
	TECHNOL	OGY DEPART	MENT LUMI	HS JAMSHOI	RO"

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PART-I



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LIAQUAT UNIVERSITY

OF MEDICAL & HEALTH SCIENCES, JAMSHORO, SINDH – PAKISTAN

Tel: 022-9213331
URL: www.lumhs.edu.pk
Email: storesection@lumhs.edu.pk

Purchase & store Section

Notice Inviting Tender

Liaquat University of medical & health Sciences Jamshoro invites sealed bids on single stage two envelope procedure from authorized Dealers / Distributors registered with Government Sales Tax, Income Tax and Sindh Revenue Board (Whichever is applicable) to carry out the following.

Sr.No	Description	Date of Purchase/Issue	Date of Submission	Opening date & time	Time of Completion	Tender fee (Nonrefund
		Furchase/issue	of Bid	of tender	Completion	able)
1	Up gradation of Existing Data Center of Information Technology Department LUMHS Jamshoro.	11-02-2022 to 27-02- 2022	28-02-2022 up to 10:00 am	28-02-2022 up to 10:30 am	Three Months	Rs. 2000/=

Note:

Tender document can be downloaded from SPPRA website i.e. https://ppms.pprasindh.gov.pk / LUMHS website i.e.www.lumhs.edu.pk/tender & purchased from Incharge Purchase Section, Central Store Office LUMHS, Jamshoro as mentioned above on payment of Rs. 2,000/=(Rupees Two Thousand only) in shape of pay order/ demand draft from bank (Non- refundable) in favour of Vice-Chancellor, Liaquat University of Medical &Health Sciences, Jamshoro during office hours, within Due Date & time along with following documents/ Eligibility Criteria.

- Latest Income Tax Certificate (NTN) along with 05 years Annual returns.
- Valid GST Registration Certificate along with 05 years Annual returns.
- Registration with Sindh Revenue board (wherever applicable)
- Detailed Portfolio of company Profile.
- Minimum 05 years' Experience
- Details of turnover (including in terms of rupees) at least last three years that average turnover should not be less than 8.0 million per year as per annual returns.
- Certified copy of Authorized Dealership Certificate/ Manufacturer certificate.
- Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department
- Affidavit to the effect that the firm/supplier have not been black listed previously by any executing agency.
- 1. The bidding shall be on single stage Two envelope procedure, 1st envelope should contain Technical Proposals, be clearly marked as technical proposals.

- 2. Second envelope should contain Financial Proposals (rates) in Pak Rupees, along with the Earnest Money 5% of bid amount in the shape of pay order/demand draft (refundable to unsuccessful bidders) in favour of Vice Chancellor, LUMHS, the envelope be clearly marked as financial proposals.
- 3. Both envelopes should be sealed separately and placed in the third envelope. The name of the bidder be clearly marked on all envelopes.
- 4. Tender should be dropped in the tender box on Thursday, 16-02-2022 before 10:00 am and Proposals of the bids shall be opened publicly on same day in the presence of bidders or their nominated representative, who wish to attendant 10:30 AM.
- 5. After the evaluation & approval of the technical proposals by the committee on the basis of the Eligibility criteria & documents drawings, feature of the equipment / machines samples of described items in the catalogue and instrumentations the LUMHS shall at a time within the bid validity of minimum of 90 days publicly, open the financial proposals of the only technically qualified bidders, on the date and time communicated later by this university to the technically successful bidders. The financial proposals of bids found technically disqualified shall be returned without opening Financial Proposals to the respective bidders.
- 6. The bid validity of minimum of 90 days.
- 7. The Procuring Agency may cancel / delete any item as per SPPRA Rules. Tender who do not fulfill the terms and conditions will not be entertained.
- 8. Government notified black listed firms / suppliers shall not be entertained.
- 9. In case the tender is not opened on the scheduled date due to unscheduled holiday then the same shall be submitted & opened on next working day, the other terms and conditions of the tender shall however remain unchanged.
- 10. The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended up to date) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under Rule-25" of said Rules

D.A./ AS ABOVE

Convener Central Procurement Committee LUMHS Jamshoro

C.C. for information to:

- The Registrar, LUMHS, Jamshoro
- The Director Finance, LUMHS, Jamshoro.
- Sindh Public Procurement Regulatory Authority, Barrack 8 Secretariat 4A Court Road Karachi Tel: 92-21-99205369 for hoisting on SPPRA's website.
- The Director I.T (Services) for hosting on LUMHS website.
- Notice Board.

C.C. for information to:

The PS-Vice chancellor, LUMHS, Jamshoro

PART-II INSTRUCTION TO BIDDERS

i Source of Funds

University funded procurement of Liaquat University of Medical & Health Sciences, Jamshoro. The eligible payment under the contract is to be made from university funds.

ii Eligible Bidders

- ii.a This Invitation for Bids is open to all suppliers from eligible source as defined in the Amended SPPRA Rules and its Bidding Documents except as provided hereinafter.
- ii.b Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
- ii.c Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.
- ii.d Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by the any government organization.

iii Eligible Goods and Services

- iii.a The origin of all the goods & related services to be supplied under the Contract should be mentioned.
- iii.b Origin means the place where the goods are mint, grown or produce or the place from which the related services are supplied.
- iii.c The Origin of goods and services is distinct from the nationality of bidders.

iv Cost of Bidding

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

B. The Bidding Documents

- v Content of Bidding Documents
- v.a The bidding documents include:
 - (a) Instructions to Bidders (ITB)
 - (b) Bid Data Sheet
 - (c) General Conditions of Contract (GCC)
 - (d) Special Conditions of Contract (SCC)
 - (e) Schedule of Requirements
 - (f) Technical Specifications
 - (g) Bid Form and Price Schedules
 - (h) Bid Security Form
 - (i) Contract Form
 - (j) Performance Security Form
 - (k) Manufacturer's Authorization Form
- v.b The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.
- vi Clarification of Bidding Documents
- vi.a An interested Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than three working days prior to the deadline for the submission of bids prescribed in the Bid Data Sheet. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.
- vii Amendment of Bidding Documents
- vii.a At any time prior to the deadline for submission of bids, the Procuring agency, for any reason, whether at its own initiative or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.
- vii.b All interested bidders that have received the bidding documents will be notified of the amendment in writing, and will be binding on them.
- vii.c In order to allow interested bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

1. Scope

1.1 The Liaquat University of Medical & Health Sciences, Jamshoro intends the subject procurement through National Competitive Bidding Single Stage One Envelope Procedure as per SPPRA Rules-2010 (Amended 2019)/ up to date.

2. Language of Bid

2.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in the English language.

3. Documents Comprising the Bid

- 3.1 The bid prepared by the Bidder shall comprise the following components:
 - a) Price Schedule completed in accordance with ITB Clauses 4, 5 and 6.
 - b) Bid security furnished in accordance with ITB Clause-9.

4. Bid Prices

- 4.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.
- 4.2 The prices shall be quoted on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location specified in the schedule of Requirements. No separate payment shall be made of the incidental services.
- 4.3 Prices quoted by the by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet.
- 4.4 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet.

5. Bid Form

- 5.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.
- 6. Bid Currencies
- 6.1 Prices Shall be quoted in Pak Rupees.
- 7. Bidder's Eligibility
- 7.1 As defined in Bid Data Sheet.

- 8. Documents
 Establishing
 Goods'
 Eligibility
 and
 Conformity
 to Bidding
 Documents
- 8.1 The documents evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, Data and shall consist of:
 - (a) a detailed description of the essential technical and performance characteristics of the goods;
 - (b) the Bidder shall note that standards for workmanship, material, equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specification are intended to be descriptive only and not restrictive: till stated otherwise in Technical Specifications or Bid Data Sheet. The Bidder may substitute alternative standards, brand names, and /or catalogue numbers in its bid, provided that demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications

9. Bid Security

- 9.1 The bid security is required (in the amount specified in the bid data sheet) to protect the Procuring agency against the risk of Bidder's conduct, which would warrant the security's forfeiture The bid security shall be denominated in the currency of the bid:
 - a) At the Bidder's option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank:
 - b) Be submitted in its original form: copies will not be accepted;
 - c) Remain valid for a period of at least 14 days beyond the original validity period of bids, or at least 14 days beyond any extended period of bid validity.
- 9.2 Bid security shall release to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
- 9.3 The successful Bidder's bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.
- 9.4 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, if the bidder fails:
 - (i) to sign the contract in accordance or
 - (ii) to furnish performance security

10. Period of Validity of Bids

- 10.1 Bids shall remain valid for the period of 90 days specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency. A bid valid for a shorter period shall be rejected by the Procuring agency as non responsive.
- 10.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitable extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

11. Format and Signing of Bid

- 11.1 The Bidder shall prepare an original bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" as appropriate. In the event of any discrepancy between them, the original shall govern.
- 11.2 The original bid shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract.
- 11.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

D. Submission of Bids

12. Sealing and Marking of Bids

- 12.1 The Bidder shall seal the original bid in envelope, duly marking the envelope as "ORIGINAL BID". The envelope shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed to the Procuring agency at the address given in the BDS, and carry statement "DO NOT OPEN BEFORE"

 at A.M"
- 12.2 If the outer envelope is not sealed and marked as required, the Procuring agency shall assume no responsibility for the bid's misplacement or premature opening.

13. Deadline for Submission of Bids

13.1 Bids must be received by the Procuring agency at the address specified in Bid Data Sheet, not later than the time and date specified in Bid Data Sheet.

- 13.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents, in such case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline.
- 14. Late Bids
- 14.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribes by the Procuring agency shall be rejected and returned unopened to the Bidder.
- 15. Modification and Withdrawal of Bids
- 15.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.
- 15.2 No bid may be modified after the deadline for submission of bids.
- 15.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security.

E. Opening and Evaluation of Bids

- 16. Opening of Bids by the Procuring agency
- 16.1 The Procuring agency shall open all bids in the presence of bidder's 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/attendance sheet evidencing their attendance.
- 16.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presences 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.
- 17. Clarification 17.1 of Bids
 - 17.1 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.
- 18. Preliminary Examination
- 18.1 The Procuring agency shall 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.

- 18.2 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 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.
- 18.3 Prior to the detailed evaluation, the Procuring agency will determine the substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 18.4 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.

19. Evaluation and Comparison of Bids

- 19.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.
- 19.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location and shall exclude any allowance for price adjustment during the period of execution of the contract.

20. Contacting the procuring agency

- 20.1 No Bidder shall contact the procuring agency on any matter relating to its bid, from the time of bid opening to the time the announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the procuring agency, it should do so in writing.
- 20.2 Any effort by a Bidder to influence the Procuring agency in its decision on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

Award of contract

21. Post – Qualification

- 21.1 In the absence of prequalification, the procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluation responsive bid is qualified to perform the contract satisfactorily.
- 21.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Claus-7 as well as such other information as the Procuring agency deems necessary and appropriate.
- 21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to perform satisfactorily.

22. Award Criteria

- 22.1 The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid/ Most Advantages Bid provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.
- 22 a Procuring
 Agency's
 right to vary
 quantities at
 the time of
 award

The Procuring Agency reserves the right to increase/decrease the quantity of the required items and /or purchase part items already tendered either in full or in part. The Procuring Agency reserves the right to accept or reject any or all of the Tenders; divide business amongst more than one bidder.

- 23. Procuring agency's Right to Accept any Bid and to Reject any or All Bids
- 23.1 Subject to relevant provisions of SPP Rules 2010 (Amended 2019), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.
- 23.2 Pursuant to Rule 45 of SPP Rules 2010 (Amended 2019), Procuring agency shall hoist the evaluation report on Authority's web site, and intimate to all the bidders three days prior to notify the award of contract.
- 24. Notification of Award
- 24.1 Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.

24.2 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 26, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security.

25. Signing of Contract

- 25.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 25.2 Within fourteen (14) days, or any other period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.

26. Performance 26.1 **Security**

- 26.1 Within seven (07) days, or any other period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 26.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 25 or ITB Clause 26.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

27. Corrupt or Fraudulent Practices

- 27.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made there under:
 - (a) "Corrupt and Fraudulent Practices" means either one or any combination of the practices given below;
 - (i) "Coercive Practice" means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

- (ii) "Collusive Practice" means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- (iii) "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- (iv) "Fraudulent Practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

b) "Obstructive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

<u>Part-III</u> General Conditions of Contract

- 1. Definitions
- 1.1 In this Contract, the following terms shall be interpreted as indicated:
 - (a) "The Contract" means the agreement entered into between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - (b) **"The Contract Price"** means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
 - (c) "The Goods" means all of the equipment, machinery, and/or other materials, which the Supplier is required to supply to the Procuring agency under the Contract.
 - (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
 - (e) "GCC" mean the General Conditions of Contract contained in this section.
 - (f) "SCC" means the Special Conditions of Contract.
 - (g) "The Procuring agency" means the Sindh Public Procurement Regulatory Authority (SPPRA), Government of Sindh.
 - (h) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
 - (i) **"SPP Rules 2010"** means the Sindh Public Procurement Rules 2010 (Amended 2019).
 - (j) "Day" means calendar day.

2. Standards

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

3. Patent Rights

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

4. Performance Security

- 4.1 Within seven (07) days, or any other duration as specified in SCC, of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 4.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 4.3 The performance security shall be denominated in the Pak rupees and shall be an unconditional bank guarantee, pay order, call deposit as, provided in the bidding documents or another form acceptable to the Procuring agency;
- 4.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

5 Inspections and Tests

- 5.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 5.2 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 5.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival shall in no way be limited or waived by reason of the Goods having

previously been inspected, tested, and passed by the Manufacturer.

5.5 Nothing in GCC Clause 5 shall in any way release the Supplier from any warranty or other obligations under this Contract.

6. Packing

The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. 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.

7. Delivery and Documents

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

8. Insurance

No need of Insurance for Local Supplies, However Supplier is responsible to deliver the goods in perfect condition to the end user.

9. Transportation

The Supplier is required under the Contact to transport the Goods to a specified place of destination and shall be arranged by the Supplier, and related costs shall be deemed to have been included in the Contract Price.

10. Incidental Services

- 10.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

11. Spare Parts

- 11.1 The Supplier should provide any or all of the notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
 - (a) such spare parts as the Procuring agency may elect to purchase

from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and

- (b) in the event of termination of production of the spare parts:
- (i) advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements; and
- (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

12. Warranty

- 12.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of desired models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 12.2 This warranty / maintenance period shall remain valid for six (06) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract
- 12.3 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

13. Payment

- 13.1 The firm should submit stamp duty as per Government Rule before execution of work.
- 13.2 Within 30 days after the issuance of inspection certificate and consignee's receipt certificate as mentioned in SSC clause 6.
- 13.3 If the supply is not according to the specifications or unsatisfactory, the Contract will rejected and cancelled at the risk and cost of Firm
- 13.4 If the firm fails to execute the contract/supply order as per condition, action will be taken against them which may be their

black listing and Earnest Money. / Security Deposit will be forfeited.

- 13.5 In case of late delivery @ 0.1% per day will be charged on bid amount deducted from the bill, but not more than 10% of contract value.
- 13.6 The currency of payment is Pak. Rupees.

14. Prices

Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid,

15. Contract Amendments

No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

16. Delays in the Supplier's Performance

- 16.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 16.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions obstructing timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 16.3 Except as provided under GCC Clause 19 a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 17 unless an extension of time is agreed upon pursuant to GCC Clause 16.2 without the application of liquidated damages.

17. Liquidated Damages

Subject to GCC Clause 19, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 18.

18. Termination for Default

18.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the

- Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 16: or
- (b) If the Supplier fails to perform any other obligation(s) under the Contract.
- (c) If the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 18.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 18.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

19. Force Majeure

- 19.1 Notwithstanding the provisions of GCC Clauses 16, 17 and 18, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 19.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 19.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

20. Termination for Insolvency

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

21. Termination for Convenience

- 21.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 21.2 The Goods that are compete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the Contract terms and prices. For the remaining Goods, the Procuring agency amy elect:
 - (a) to have nay portion completed and delivered at the Contract terms and prices; and / or
 - (b) To cancel the remainder and pay to the Supplier and agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Suppliers

22. Resolution of Disputes

Resolution of dispute shall be through Mechanism for Redressal of Grievances as provided in the rules or through Arbitration Act 1942.

23. Governing Language

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 the same language.

24. Applicable Law

The Contract shall be interpreted in accordance with the SPP Rules 2010 (amended 2019).

25. Taxes and Duties

Supplier shall be entirely responsible for all taxes, duties (including stamp duty), license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

26. Overriding
effect of Sindh
Public
Procurement
Rules 2010
(Amended 2019)

In case of conflict or primacy of interpretation the provisions of SPP Rules 2010 (amended 2019) shall have an overriding effect notwithstanding anything to the contrary contained in these bidding documents

Part-IV [Bid Data Sheet]

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

	Introduction
ITB 1	Name of Procuring Agency: Office of The Convener Central Purchase Committee, Liaquat University of Medical & Health Sciences, Jamshoro. Tel # 022-9213350, Fax: 022-9213306
	Name of Contract. "Up gradation of Existing Data Center of Information Technology Department LUMHS Jamshoro
	Bid Price and Currency
ITB 4	Prices quoted by the Bidder shall be "fixed" and in" Pak Rupees"
	Preparation and Submission of Bids
TB 7	 Selection / Eligibility / Responsiveness criteria: Bidder should quote price only in PKR. With all corrected applicable taxes and duties. Having local Firm of Pakistan. Firm comply with specifications mentioned in bidding documents. Bid should be accompanied with client list. Bidder should strictly compliant with technical specification; no optional /alternative item will be accepted. The bidder must have at least 5 years of experience in the relevant field. Registration with FBR Income Tax Certificate (NTN) & SRB along with 05 years Annual returns GST Registration Certificate along with 05 years Annual returns
	 Valid Professional Tax Certificate. If applicable Details of turnover (including in terms of rupees) at least last three years that average turnover should not be less than 8.0 million per year as per annual returns. Affidavit confirming that the firm has not been black listed by any Government, Semi Government or Autonomous Bodies on non-judicial stamp paper Certified copy of Authorized Dealership Certificate/Manufacturer certificate Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department
ITB 9	Amount of bid security. Total 5% of bid amount. (5% of total amount of bid at the time of bid submission and 5% after awarding of work/supply order.)
ITB 10	Bid validity period. 90 days

ITB 11	Numb	Der of copies. One original & One Copy of Technical & Financial
ITB 13	Deadl	ine for bid submission. As notified in NIT
ITB 19.1		valuation: Lowest evaluated responsive bid /Most Advantages Bid
		e Stage Two Envelope) Terms & Conditions:
	Other	Terms & Conditions:
	i.	In case of any unforeseen situation or government holiday resulting in closure of office on the date of opening. Bid shall be submitted / opened on next working day at the given time
	ii.	Tender documents can also be obtained by post against Pay Order/Bank Draft of Rs-500/- as courier charges in addition of tender fee.
	iii.	LUMHS may reject all or any bid subject to relevant provision of SPP Rules and may cancel the bidding process at any time prior to acceptance of bid or proposal as per Rule 25(1) of said rules.
	iv.	Incomplete, conditional and tender without required earnest money in the specified form/format shall be rejected.
	v.	Bidders are advised that before filling the bidding documents all pages of bidding documents should carefully be rechecked. If any page(s) / paper(s) of bidding documents are missing that can be downloaded from the official website of this University and SPPRA, and also can be obtained from the Office of The Incharge Purchase and store section Central Store Main campus, Liaquat University of Medical & Health Sciences, Jamshoro. Bid(s) with incomplete bidding documents will straightaway be rejected.
	vi.	Bidders are required to provide their valid e-mail Ids and contact numbers (s) for effective and timely communication
	vii.	Affidavit that firm has never been blacklisted.
	viii.	All Bidding documents must be signed, named & stamped by authorized person of the firm/ Companies along with authorized letter.
	ix.	Incomplete, conditional and tender without required bid security as specified in the bidding documents, shall be reject. Each page of bidding documents should be signed and stamped.
	х.	Contract Agreement and Integrity Pact both are mandatory for successful bidder.

Signature & Stamp of Tenderer

Part-V

Special Conditions of Contract

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

1. Definitions (GCC Clause 1)

GCC 1 (g) — The Procuring Agency is: Office of The Project Manager / Project Coordinator, Project Management Unit, 2nd Floor Institute of Dentistry, Liaquat University of Medical & Health Sciences, Jamshoro.

2. Performance Security (GCC Clause 4)

GCC 4 — The amount of performance security, as a percentage of the Contract Price, shall be: 5%.

3. Inspections and Tests (GCC Clause 5)

Inspection of LUMHS shall inspect the procured good and ensure that it meets the tender specifications before its acceptance

4. Delivery and Documents (GCC Clause 7)

GCC 10—Supplier shall supply and install the good within 30 Days after signing the contract and shall submit the following.

- (i) Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) Packing List identifying the contents of Supply;
- (iii) Delivery note.
- (iv) Warranty and guarantee certificate;
- (v) Inspection Report

5. Warranty (GCC Clause 12)

The equipment shall bear Standard warranty (with free parts & labor) from the date of installation / acceptance. Upon expiration of warranty, Purchaser at its option may enter into a Service Level Maintenance Agreement upon expiry of the warranty period in accordance with terms embodied in Appendix-A hereto

6. Payment (GCC Clause 13)

100% of the Contract Price shall be paid upon 100% delivery, and satisfactory Installation, integration and testing of the products at the Project site (s), subject to the production of installation and Operational Acceptance Certificates duly signed by authorized Inspection Committee of LUMHS.

7. Liquidated Damages (GCC Clause 17)

If the Supplier fails to deliver the goods or perform the services within the time period(s) specified in the contract, the Purchaser shall, without prejudice to its other remedies under the contract deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.1 percent of the Contract Price for each day of delay until actual delivery or performance, up to a maximum deduction of 10% of the Contract Price. Once the maximum is reached, the purchaser may consider termination of the contract.

8. Resolution of Disputes (GCC Clause 22)

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to the dispute resolution mechanism as defined in rule 31, 32 and 34 of the (SPPR 2010) Amended 2019

9. Applicable Law (GCC Clause 24)

GCC 24 Contract shall be interpreted in accordance with the Sindh Public Procurement law of Sindh.

Part-VI SCHEDULE OF REQUIREMENTS

The delivery schedule hereafter expressed the date of delivery required.

S. No	Items/Quantity	Time of Delivery from date of Award	Location of Supply
1.	[As specified in Part – VIII of this bidding documents at P-32].	(90 Days)	for Purchase and Store Section LUMHS, Jamshoro

Note: <u>specifications of above items are attached</u>

PART-VII SAMPLE FORMS

	<u>Form-I</u>
Lett	er of Acceptance
	Date:
To:	
Liaquat University of Medical & Health Dear Sir:	Sciences, Jamshoro
acknowledged, we, the undersigned, conformity with the said bidding docum	documents, the receipt of which is hereby duly offer to supply and deliver the required item in tents for the sum of [total bid amount in words and figures] and in accordance with the Schedule of Prices attached
We undertake, if our Bid is accedelivery schedule specified in the Schedule	epted, to deliver the goods in accordance with the ule of Requirements.
	otain the guarantee of a bank in a sum equivalent to Pay order for the due performance of the Contract, in
	or a period of 90 days from the date fixed for Bid tions to Bidders, and it shall remain binding upon us the expiration of that period.
	ed and executed, this Bid, together with your written ion of award, shall constitute a binding Contract
We understand that you are not bound to	accept the lowest or any bid you may receive.
Dated this day of	2021

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

[signature]

Form-II

Price Schedule in Pak. Rupees

Name of Bidder	IFB Number	Page	of _	

1	2	3	4	5	6	7
Item	Description	Country of origin	Quantity	Unit price	Total	Remarks (if any)
				Words Figure		

tal Bid amount in words:	
tal Bid amount in figure:	
tai Bid amount in rigure.	
gnature of Bidder	

Note:

- (i) In case of discrepancy between unit price and total, the unit price shall prevail.
- (ii) The unit and total prices Delivered at Liaquat University of Medical & Health Sciences, Jamshoro should include the price of incidental services. No separate payment shall be made for the incidental services.

Form-III

Experience of Similar Supply and Installation

S. No	Assignment Description	Name /Contact Details of Client	Cost	Start Date	End Date	Remarks

Form-IV

Contract Form

Unive Proce	AGREEMENT made theersity of Medical & Health Scienting agency") of the one part and Supplier") of the other part:	ences (LUMHS), Jan	nshoro. (hereinafter called "the
Procubid 1	EREAS the Procuring agency inviturement Committee of Purchase a by the Supplier for the supplonly]	nd Store Section LU y of those goods	MHS, Jamshoro has accepted a and services in the sum of
NOW	THIS AGREEMENT WITNESS	ETH AS FOLLOWS:	
1.	In this Agreement words and respectively assigned to them in	<u> </u>	<u> </u>
2.	The following documents shall of this Agreement, viz.:	be deemed to form ar	nd be read and construed as par
(a)	the Bid Form and the Price Sche	edule submitted by the	Bidder:
(b)	the Schedule of Requirements;	J	,
(c)	the Technical Specifications.		
(d)	the General Conditions of Contr	act;	
(e)	the Special Conditions of Contra	act; and	
(f)	the Procuring agency's Letter of		
the g	In consideration of the payment reinafter mentioned, the Supplier h oods and services and to remedy sions of the Contract	nereby covenants with	the Procuring agency to provide
or su	The Procuring agency hereby consion of the goods and services and chother sum as may become pay in the manner prescribed by the constant.	d the remedying of de able under the provisi	efects therein, the Contract Price
	VITNESS whereof the parties her dance with their respective laws th		<u> </u>
Signe agenc	ed, sealed, delivered by cy)	the	(for the Procuring
Signe	ed, sealed, delivered by	the	(for the Supplier)

Form-V

Performance Security Form

То:
Liaquat University of Medical & Health Sciences, Jamshoro
WHEREAS [name of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. [reference number of the contract] dated 2021 to supply [description of goods and services] (hereinafter called "the Contract").
AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.
AND WHEREAS we have agreed to give the Supplier a guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [amount of the guarantee in words and figures], and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [amount of guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.
This guarantee is valid until the day of20
Signature and seal of the Guarantors
[name of bank or financial institution]
[address]
[date]

To:

Form-VI

Manufacturer's Authorization Form

Liaquat University of Medical & Health Sciences, Jamshoro
WHEREAS [name of the Manufacturer] who are established and reputable manufacturers of [name and/or description of the goods] having factories at [address of factory]
do hereby authorize [name and address of Agent] to submit a bid, and subsequently sign the Contract with you against NIT No. [reference of the Invitation to Bid] for the above goods manufactured by us.
We hereby extend our full guarantee and warranty as per Clause 12 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.
[signature for and on behalf of Manufacturer]

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

(INTEGRITY PACT) DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABLE BY CONTRACTORS

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No	Dated
Contract Value:	
ContractTitle:	hander dedens that is her may charined as
induced the procurer or benefit from Government	hereby declares that it has not obtained or nent of any contract, right, interest, privilege or other obligation ernment of Sindh (GoS) or any administrative subdivision or by other entity owned or controlled by it (GoS) through any tice.
represents and warrant paid or payable to any to give to anyone with natural or juridical per director, promoter, shadirector, shadirector, shadirector, promoter, shadirector, shadirector, shadirector, shadirector, promoter, shadirector, shadi	accepts full responsibility and strict liability declaration, not making full disclosure, misrepresenting facts on ally to defeat the purpose of this declaration, representation and at any contract, right, interest, privilege or other obligation or occured as aforesaid shall, without prejudice to any other rights ble to PA under any law, contract or other instrument, be
[Procuring Agency]	[M/s]

Name of Bidder.

SCHEDULE A (SCHEDULE OF PRICES)

Up gradation of Existing Data Center of Information Technology Department LUMHS Jamshoro

Sr. #	DESCRIPTION		COST (RS.)
1	Total Tender Cost Rs.		
		=	
2	Total Tender Cost (RS.)	=	

<u> Kupees</u> :	 	 		

Signature Contractor/Firm

Purchase Section

PART-VIII

Liaquat University of Medical & Health Sciences, Jamshoro

Up gradation of Existing Data Center of Information Technology Department LUMHS Jamshoro SPECIFICATIONS AND QUANTITIES

Tender No.

	ELECTR	ICAL WC	ORKS			
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	Supply of Electrical Main Distribution Box for data center with main breaker, UPS, AC's & Lightings individual Breakers for all raw power equipment for Data Center. Digital Meter for Voltage & Ampere with Three phase LED Lamp, Labeling of circuit breakers, hinged front cover with locking (Breaker Schneider/ Terasaki or ABB and D.B or equivalent must be 16 SWG Powder coated) WITH SURGE ARRESTOR.	1	NOS			
	MAIN DISTRIBUTON BOARD					
	INCOMING					
	TP 150 Amps MCCB 25kA with CONTACTOR for as per auto control as per CONTROL AND ALERTS Point no. 2 (SCHNEIDER / TERASAKI/ ABB or equivalent	1	NOS	SCHNEIDER / TERASAKI/ ABB or equivalent		
	Digital Ampere Meter 0 - 300 Amps	1	NOS			
	Ampere selector switch	1	NOS			
	Digital Volt Meter 0-500 Volt	1	NOS			
	Volt selector switch	1	NOS			
	Current transformer 300/5	3	NOS			
	Indicating Lights (R/Y/B)	3	NOS			
	Control Fuses with links	3	NOS			
	SURGE ARRESTOR	1	NOS			
	OUTGOING		NOS			
	MCCB 63 Amps FP 15KA	2	NOS	SCHNEIDER / TERASAKI/ ABB or equivalent		
	MCCB 40 AMP FP 10kA with contactor and auto control as per CONTROL AND ALERTS Point no. 1 (Also, should be the option of AUTO / MANUAL OPERATION)	2	NOS	SCHNEIDER / TERASAKI/ ABB or equivalent		
	MCCB 32 AMP FP 10kA with contactor and auto control as per CONTROL AND ALERTS Point no. 1 (Also, should be the option of AUTO / MANUAL OPERATION)	2	NOS	SCHNEIDER / TERASAKI/ ABB or equivalent		
	MCCB 10 AMP DP with contactor and auto control as per CONTROL AND ALERTS Point no. 1 (Also, should be the option of AUTO / MANUAL OPERATION)	1	NOS	SCHNEIDER / TERASAKI/ ABB or equivalent		
	MCCB 10 AMP DP 6 kA	2	NOS	SCHNEIDER / TERASAKI/ ABB or equivalent		

SNO	DESCRIPTION	QTY	иом	BRAND	Rate	AMOUNT
	MCCB 32 AMP DP 6 kA	2	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
2	Supply of UPS Distribution Box for data center with main breaker, AC's & Lightings Labeling of circuit breakers, hinged front cover with locking (Breaker Schneider/ Terasaki or ABB and D.B or equivalent 16 AWG D.B. must be Powder coated) DUPLICATE WITHIN SAME DB	1	Nos			
	INCOMING 1					
	FP 100 Amps MCCB 15kA	1	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	CONTACTOR for auto control as per CONTROL AND ALERTS Point no. 2	1	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	Indicating Lights (R/Y/B)	3	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	Control Fuses with links	3	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	OUTGOING 1					
	MCCB 32 Amps DP 10KA with CONTACTOR auto control as per CONTROL AND ALERTS Point no. 2	4	Nos	CHNEIDER / TERASAKI/ ABB or equivalent		
	MCCB 10 AMP DP 6kA	3	Nos	CHNEIDER / TERASAKI/ ABB or equivalent		
	INCOMING 2					
	FP 100 Amps MCCB 15kA	1	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	Contactor for auto control as per Control and alerts Point no. 2	1	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	Indicating Lights (R/Y/B)	3	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	Control Fuses with links	3	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	OUTGOING 2					
	MCCB 32 Amps DP 10KA with CONTACTOR auto control as per CONTROL AND ALERTS Point no. 2	4	Nos	SCHNEIDER / TERASAKI/ ABB or equivalent		
	MCCB 10 AMP DP 6kA (SCHNEIDER / TERASAKI/ ABB or equivalent)	3	Nos			
3	Supply of Cabling UPS Earth 1 x 50mm2 (As Per Actual) Brand Pakistan Cable / Pioneer / Universal or equivalent	200	FT	PAKISTAN CABLES / PIONEER / UNIVERSAL or equivalent		

SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
4	Supply of Industrial Sockets 32 Amps. (3 pin) Schneider	8	Nos	SCHNEIDER or equivalent		
5	Supply of Cabling 6mm 3 core flexible from each Industrial Sockets to UPS DB (Charged as per Actual) Brand Pakistan Cable / Pioneer cable / Universal or equivalent	300	FT	PAKISTAN CABLES / PIONEER / UNIVERSAL or equivalent		
6	Supply of LED Lights for Data Centre (Charged as per Actual) 40 W 600 X 600 mm	10	Nos	PIERLITE / MENVIER /EATON / OLYMPIA / CONCORDE or equivalent		
7	Lighting camera and access control electrical cabling	1	Job			
8	Supply of dual electrical sockets 1 for UPS and 1 for Raw with complete fitting.	3	Nos	SCHNEIDER / PAKISTAN CABLES / MENVIER or equivalent		
9	Earthing for Data Center	3	Nos			
	Should be rod type earthing 20mm x 3m copper rod					
	Must be less than 1 Ohms. The rod should be added till received less than 1 Ohms. All the earth should be connected on Earth point					
	120mm2 Cable must be used to connect from Earth pit to Earth bar of Data Center			PAKISTAN CABLES / PIONEER / UNIVERSAL or equivalent		
10	Earth bar for Data Center. 50 x 250 x 6mm with 6 holes	2	Nos	PAKISTAN CABLES / PIONEER / UNIVERSAL		
11	Cable from Main to Main DB Room 4 x 50mm2 + 1 x 50mm2	150	ft	PAKISTAN CABLES / PIONEER / UNIVERSAL or equivalent		
12	Cable from Main DB to UPS to UPS DB 4 x 16mm2 + 1 X 16MM2	100	ft	PAKISTAN CABLES / PIONEER / UNIVERSAL or equivalent		
13	Main connection box from Main with 150 Amps FP MCCB 25KA	1	Nos	SCHNEIDE R / TERASAKI/ ABB or equivalent		
14	CAT6 Cabling for camera	100	Rft	3M / SCHNEIDER / LEVINTON or equivalent		
1	Supply of Structured Grounding & Bonding Solution for Data Center for 4 nos racks with Rack Bus bar kit, U clamps, Ground Wire & Jumpers & Copper Bus Bar for wall.	1	Job	CONCORDE / SCHNEIDER / or equivalent		

SEPARATE CABLE TRAY FOR DATA & ELECTRICAL AND AIRCON PIPING

SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	Supply of perforated cable try above the racks powder coated color orange 18 gauge 7x2 inch cable routing system for Data cables within the data center. The cable routing solution will be fast and easy to deploy and easily scalable made out of metal and will have proper bends and droppings with round edges to ensure bend radius control of cables and protect cable damages	50	FT			
2	Supply of perforated cable tray powder coated color orange under the raise floor 18 gauge 7x2 inch cable routing system for Electrical cables within the Data Center & UPS Room. The cable routing solution will be fast and easy to deploy and easily scalable made out of metal and will have proper bends with round edges to ensure bend radius control of cables and protect cable damages.	50	FT			
3	Supply of Galvanized tray for air-conditioning units 12"x 2" for piping.	50	FT			

ENVIRONMENTAL MONITORING SYSTEM (EMS), ACCESS CONTROL AND CCTV

SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	MAIN UNIT	3	Nos	AKCP / SCHNEIDER / GEIST / SKY CONTROL /LINK or equivalent		
2	GSM MODULE	1	Nos			
3	POWER SENSOR (VOLTAGE SENSOR)	4	Nos			
4	WATER DETECTION AS PER AIRCONDITIONING REQUIREMENT	4	Nos			
5	DOOR OPEN CLOSE SENSOR	4	Nos			
6	TEMPERATURE SENSOR	4	Nos			
7	SMOKE SENSOR	4	Nos			
8	HUMIDITY SENSOR	4	Nos			

9	MOTION DETECTOR. To watch if any things or any person enters the data center. Even it will check the rodent entering the data center. Will send the picture by email to the designated email address.	2	Nos			
10	Cabling for Environmental Monitoring	1	Nos			
11	Access Control Biometric	2	Nos	ZKTECO / FALCO / CONCORDE or equivalent		
12'	4 nos IP CAMERA. With NVR and 1 Tb Hard disk	1	set	DAHUA / DLINK / DSITEK / PANASONIC or equivalent		
	CONTROL AND ALERT	S				
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	ALL the air-conditioning unit and dehumidifier must work on 12 hours time on rotation basis and if one fails the other take over.	5	Nos			
2	The Data center Power must be switch off in case of emergency manually or by any command. There should be control of individual PDU'S also.	11	Nos			
	FIRE SUPPRESSION SYST	EM				
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	Supply of NOVEC 1230 systems are internationally accepted as providing reliable and effective fire protection solutions for high value assets, processes and locations, as well as the people who work in these protected areas. FM-200 Total Flooding Fire Suppression System consists of extinguishing agent stored in high strength steel cylinders. Automatic actuators are release of the agent into the hazard area. The agent is distributed and discharged into the hazard area through fixed piping and nozzles. Each nozzle is designed to deliver a uniform discharge of agent into the protected area Sigma XT is a new generation extinguishing releasing panel which is fully compliant with European standard BS EN12094-1. (Fixed firefighting systems—components for gas extinguishing systems)			SIGMA XT / CPANEL or equivalent		

	Extinguishing control Panel			SIGMA XT / CPANEL or equivalent		
	Optical Smoke detector with base.	6	Nos	SIGMA XT / CPANEL or equivalent		
	Fire Alarm Sounder Flasher.	1	Nos	SIGMA XT / CPANEL or equivalent		
	Fire Alarm Bell	1	Nos	SIGMA XT / CPANEL or equivalent		
	Cabling for detectors, Panel, alarm bell actuator etc	1	Job	SIGMA XT / CPANEL or equivalent		
	Piping for Extinguishing gas, Nozzles etc	1	Job	SEVO / 3M / WAYSMO S or equivalent		
	NOVEC 1230 WITH CYLINDER	1	Nos			
	Portable Wall Mounted Fire Extinguisher, FM & UL approved as per NFPA recommendation	2	Nos	CO2 Type		
	AIRCONDITIONING UNITS FOR D	ATA CEN	TER			
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	2.0 ton FLOORING STANDING units. The AC will work in cyclic basis, depends on the time we will set in logic. Even it will generate sms and email that the particular AC is ON / OFF. Also we have a special function, if AC1 is working and AC 2 is in OFF mode during cyclic rotation and if AC1 becomes faulty, the AC2	2	Nos	GREE or equivalent		
	will ON automatically and will send an SMS or email.					
2		2	Nos	GREE or equivalent		
3	email. 1.0 ton SPLIT units. The AC will work in cyclic basis, depends on the time we will set in logic. Even it will generate sms and email that the particular AC is ON / OFF. Also we have a special function, if AC1 is working and AC 2 is in OFF mode during cyclic rotation and if AC1 becomes faulty, the AC2 will ON automatically	120	Nos Rft			

SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT		
1	METERED PDU'S 32 Amps. 15 outlets with British socket. The PDU's are for 2 racks (duplicated in each.). CONCORDE SOLUTIONS	8	Nos	SCHNEIDER / VERTIV / CONCORDE or equivalent				
2	STS FOR single source equipments	1	Nos	SCHNEIDER / VERTIV / CONCORDE or equivalent				
	PDU'S							
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT		
1	HEAVY DUTY 600 CFM AIR PURIFIER FOR DATA CENTER, Pre-Filter part # F007 (MERV 10), We will be supplying 12" carbon filter modules (Approx. 90lbs/41 Kg). (barely any carbon), 12" High Capacity CERTIFIED 99.97% HEPA filter, Very Low energy consumption 0.25 Kw, Digital Variable speed control at 600 CFM. More than 2500 sq ft protection area. Brushless motor, Adjustable grilles	1	Nos	QUATRO AIR / CANFIL / SAGE INDUSTRIAL or equivalent				
	Dehumidifier unit 50 Liter CSDH550C. This will work on the humidity sensor of EMS and will control the humidity as required. There will be constant email or SMS should be sent to the operation center for switching ON and OFF.	1	Nos	VACKER / CONCORDE / KLIM AIR or equivalent				
	Drain for DEHUMIDIFIER	1	Nos					
	CORROSION CONTRO	L						
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT		
1	Removal of wooden fixture and repair of wall includes plaster and paint of all the DATA CENTER	1	Job					
2	Aluminum Partition between UPS and Data Center and alignment of existing partition. The glass should be 4mm + 4mm sand witch	1	Job	Pakistan Cable or Lucky Metal or Equivalent				
3	Replacement of complete Raised flooring system. Removal of existing raised flooring and installation of new Antistatic Raised flooring for Data Center and UPS room.	252	Sqr.ft	CONCORDE / MERO / BERGVICK or equivalent				
4	Tile removal tool	20	Nos					
	INSTALLATION CHARGES WITH ONE YEAR WARRANTY							

Installation & configuration charges of above supply equipments are under warranty for one year except NOVEC gas, fillers, sensors, gas filters. All the equipments like dehumidifier, air purifier, access control, EMSt, fire detection system, air-conditioning units. Passive Network Items DESCRIPTION Cat 6 Patch Panel Fully loaded 48 Port 1	SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
Cat 6 Patch Panel Fully loaded 48 Port Cat 6 Cable Organizer Cat 6 Cable Organizer Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. So Nos Replacement, Dismantling & shifting (Payment will be made according to work done by Purchase section) Installation and commissioning Tagging Labeling and Harnessing Tagging Labeling and Harnessing Tagging Labeling and Harnessing Topy To	1	supply equipments are under warranty for one year except NOVEC gas, filters, sensors, gas filters. All the equipments like dehumidifier, air purifier, access control, EMS fire detection	1	Job			
Cat 6 Patch Panel Fully loaded 48 Port 1		Passive Network Item	ıs				
1 Cat 6 Cable Organizer 2 Cat 6 Copper Patch Cords UTP Copper Patch 3 Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. 42U floor standing rack, Top Fan Tray with Guard & Filter, Leveling Stand, Heavy Duty 4 Castor Wheels, Perforated. 1 Replacement, Dismantling & shifting (Payment will be made according to work 5 done by Purchase section) 1 Installation and commissioning 1 Job Tagging Labeling and Harnessing Node 5 S UPS SNO DESCRIPTION QTY UOM BRAND Rate AMOUNT 1 OKVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176- 288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, Smin; 125% ~ 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet 4 Nos Nos	SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
Cat 6 Cable Organizer Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. 42U floor standing rack, Top Fan Tray with Guard & Filter, Leveling Stand, Heavy Duty Castor Wheels, Perforated. Replacement, Dismantling & shifting (Payment will be made according to work done by Purchase section) Installation and commissioning 1 Job Tagging Labeling and Harnessing 6 DESCRIPTION OTY OTY OTY OM BRAND Rate AMOUNT AMOUNT TOKVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176- 288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, cultput Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet	1	Cat 6 Patch Panel Fully loaded 48 Port	4	Nas			
Cat 6 Copper Patch Cords UTP Copper Patch Cords Machine Made. 42U floor standing rack, Top Fan Tray with Guard & Filter, Leveling Stand, Heavy Duty Castor Wheels, Perforated. Replacement, Dismantling & shifting (Payment will be made according to work done by Purchase section) Installation and commissioning Tagging Labeling and Harnessing Node Tagging Labeling and Harnessing UPS SNO DESCRIPTION QTY UOM BRAND Rate AMOUNT 1 OWN MATCH AMOUNT 1 OWN BRAND Rate AMOUNT 2 UOM BRAND Rate AMOUNT 2 UOM BRAND Rate AMOUNT 2 UOM BRAND Rate AMOUNT 1 UOM BRAND Rate AMOUNT NOS BRAND Rate AMOUNT NOS BRAND Rate AMOUNT NOS BRAND Rate AMOUNT NOS NOS BRAND Rate AMOUNT NOS NOS BRAND RATE AMOUNT NOS NOS NOS BRAND RATE AMOUNT NOS NOS NOS NOS NOS NOS BRAND RATE AMOUNT NOS NOS NOS NOS NOS NOS BRAND RATE AMOUNT NOS NOS NOS NOS NOS NOS NOS BRAND RATE AMOUNT NOS NOS NOS NOS NOS NOS RATE NOS NOS NOS NOS RATE NOS NOS NOS RATE NOS NOS RATE NOS NOS RATE NOS NOS NOS RATE NOS NOS NOS RATE NOS NOS NOS RATE NOS NOS RATE NOS NOS NOS RATE NOS NOS RATE NOS NOS RATE NOS NOS NOS NOS RATE NOS NOS NOS RATE NOS NOS RATE NOS NOS RATE NOS NOS RATE NOS NOS NOS RATE RATE NOS NOS NOS RATE RAT		Cat 6 Cable Organizer	4	INOS			
3 Cords Machine Made. 50 Nos 42U floor standing rack, Top Fan Tray with Guard & Filter, Leveling Stand, Heavy Duty Castor Wheels, Perforated. 1 Replacement, Dismantling & shifting (Payment will be made according to work done by Purchase section) 1 Job Installation and commissioning 1 Job Node 50 s UPS SNO DESCRIPTION QTY UOM BRAND Rate AMOUNT 10KVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176-288VAC at full load; 100-176VAC at linear derating; 200VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. Nos External Battery Cabinet 44	2		6	Nos			
42U floor standing rack, Top Fan Tray with Guard & Filter, Leveling Stand, Heavy Duty Castor Wheels, Perforated. Replacement, Dismantling & shifting (Payment will be made according to work done by Purchase section) Installation and commissioning Tagging Labeling and Harnessing Node So So So DESCRIPTION OTY OTY UOM BRAND Rate AMOUNT AMOUNT 1 1 1 1 1 1 1 1 1 1 1 1 1	2		ΕO	Nos			
Replacement, Dismantling & shifting (Payment will be made according to work done by Purchase section) Installation and commissioning Tagging Labeling and Harnessing Tagging Labeling and Harnessing IDFS IDFS IDFS IDFS IDFS IOFS IOF	3	42U floor standing rack, Top Fan Tray with Guard & Filter, Leveling Stand, Heavy Duty	30	INOS			
(Payment will be made according to work done by Purchase section) Installation and commissioning Tagging Labeling and Harnessing 1 Job Node 50 s UPS SNO DESCRIPTION QTY UOM BRAND Rate AMOUNT AMOUNT 10KVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet 4	4	·	1				
Tagging Labeling and Harnessing Tagging Labeling and Harnessing Tagging Labeling and Harnessing Toke Solve Solv	5	(Payment will be made according to work	1	Job			
Tagging Labeling and Harnessing UPS SNO DESCRIPTION OTY UOM BRAND Rate AMOUNT 10KVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet 4		Installation and commissioning					
UPS SNO DESCRIPTION 10KVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet 4		Tagging Labeling and Harnessing	1				
SNO DESCRIPTION QTY UOM BRAND Rate AMOUNT 10KVA/10KW UPS 230/400V LCD long backup model(Designed for 15Min) with installation and commissioning, 176- 288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet 4	6	Tagging Labeling and Harriessing	50				
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backup model(Designed for 15Min) with installation and commissioning, 176- 288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2. External Battery Cabinet backup model(Designed for 15Min) with installation and commissioning, 176- 28VAC at full load; 100-176VAC at linear loads of the load of the lo	SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
4	1	backup model(Designed for 15Min) with installation and commissioning, 176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load, Output Frequency (Hz) 50/60 Rated Power, Voltage Harmonic Distortion (%) <2% for Linear loads & <5% for Non-linear loads Overload Capacity At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200msGeneral and safety requirements for B85 UPS EMC requirements for UPS IEC/EN 62040-1, IEC/EN 62040-2.	2	Nos			
	2	External Battery Cabinet	4	Nos			

SNO	DESCRIPTION	QTY	иом	BRAND	Rate	AMOUNT
3	7AH x 12V Sealed Maintenance Free VRLA Battery	64	Nos			
4	Power Kit 1 for UPS Battery Bank Installation	4	Nos			
5	Parallel Communication Cable Kit	21	Nos			
6	Installation and commissioning	1	Job			
	Server and Componen	ts				
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
2	Intel Xeon Silver 4210 2.2G, 10C/20T, 9.6GT/s, 13.75M Cache, Turbo, HT (85W) DDR4-2400, 16*8GB RDIMM, 2 x 480 GB SSD with Raid1, 2933MT/s, Dual Rank 4*4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hotplug Hard Drive *960GB SSD SATA Mix Intensive 6Gbps 512e 2.5in Hot-plug,3.5in HYB CARR Chassis with up to 8 x 3.5" SAS/SATA Hard Drives for 2CPU Configuration 2U Standard Bezel Riser Config 2, 3 x8, 1 x16 slots PERC H730P RAID Controller, 2GB NV Cache, Adapter, Low Profile Hot Swappable Fans Standard 1U Heat sink DVD+/-RW,SATA,Int Dual, Hot-plug, Redundant Power Supply (1+1), 750W Long Jumper Cord, C13-C14,4m,10a (APCC except ANZ) 2 x 10G SFP+ ports (including connectivity equipments) 4 x 1G ports Base-T Power Saving Active Power Controller Ready Rails Sliding Rails With Cable Management Arm Un configured RAID Warranty: Next Business Day 36 MONTHS and Pro Support Next Business Day Onsite Service, 36 Month(s) Dell FX2 Power Supply 1600W Model: F1600E-S0	1	NOS			
	DP/N 0DSW1N	1	NOS			
3	Dell FX2 FN I/O Module FN2210S DP/N 02m2yD	1	NOS			

	IT Equipment					
SNO	DESCRIPTION	QTY	UOM	BRAND	Rate	AMOUNT
1	All in One Computer Core i7 branded Processor (Core i7) Generation (latest) RAM (16GB), (512 SSD), Display (23" Widescreen), Other (Wi-Fi, LAN Card, Bluetooth, Wireless Optical Mouse & Keyboard) Dell, HP or equivalent	6	NOS			
2	Laptop core i7 Processor (Core i7) Generation (11th) RAM (16GB) (512 SSD) Display (15.6" FHD) Other (Wi-Fi, LAN Card, Bluetooth, HDMI) HP, Dell or Equivalent	3	NOS			
3	Basic Printer Speed (Print: Up to 18 PPM, Processor 266 MHZ, Memory 2MB, Resolution (Print: Up to 600 x 600 x 2 dpi (1200 dpi effective output) HP FastRes 600, HP FastRes 1200) Duplex (Manual) Duty Cycle (Up to 5000 pages) Feeding Capacity (Input: 150-sheet input tray) Paper Output Capacity (100-sheet face-down bin) Interface (Hi-Speed USB 2.0 port)	2	NOS			
4	Multimedia Projector Projection Technology (3LCD Chips) Brightness (3,800 ANSI Lumens) Resolution (1280x800) Color Depth 8-Bit (16.78 Million Colors) Aspect Ratio (Native: 4:3 Supported: 16:9 Supported: 16:10 Supported: 14:9) Contrast Ratio (20,000:1) Projection Size (30 - 300" / 76.20 - 762.00 cm) Expected Lamp Life (Approximately 6000 Hours (Standard mode) 12,500 hours (echo mode)	2	NOS			
5	UPS Capacity (2KVA) Backup (15 Minutes)	4	NOS			
6	UPS Capacity (1KVA with Built-in Stabilizer)	30	NOS			
	Total Amount					

Terms & Conditions:

(From TDF-02-507 equipment head) Supplier must provide necessary software/drivers with

NOTE:

- 1. 12 Months Parts and Labor Warranty for all components on site.
- 2. Maximum of 48 hours down time for all components including replacement of the whole unit
- 3. The bidders should clearly mention Terms and Conditions of service agreements for the supplied hardware equipment after the expiry of initial warranty period.
- 4. In case of International Warranties, the local authorized dealers should mention their service and warranty setup, details of qualified engineers, etc.
- 5. The firm/contractor shall enclose the (one original and one copy) of the documents in a sealed envelope which shall:-
 - (a) bear the name and address of the Applicant;
 - (b) be delivered by hand or through courier/registered mail to address mentioned in advertisement for pre-qualification or in document; and
- (c) be clearly marked "Application for submission of Technical Proposal for6. If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.
- 7. Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.
- 8. The Firms should submit the only tape binding document. No ring binding or open document or any type document will not be entertained.

Signature & Stamp of Bidder

Bidding Documents

Company's Basic Evaluation Criteria

Contractor / (s) / Firm /(s) / Distributor / (s) / Supplier / (s) must obtained minimum 70% points in below mentioned eligibility criteria to qualify for Financial Bid Opening without declaration of black listing by relevant council (enclose valid / renewal registration certificate).

Description	Total Marks
NTN Certificate	Mandatory
Registration with Sindh Revenue Board Wherever applicable	Mandatory
General Sales Tax Registration Certificate (GST)	Mandatory
Valid Professional Tax Certificate If applicable	Mandatory
Valid Electrical Inspectors License Issued from Hyderabad region (For Electric Component Only)	Mandatory
Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any procurement in the Department	Mandatory
Affidavit to the effect that the firm/supplier have not been black listed previously by any executing agency	Mandatory
Certificate of Authorized Manufacturers is mandatory (MAL) Manufacturer Authorization Letter.	Mandatory
Bid Security 5% of Bid Cost	Mandatory
Bid Signed and Stamp	Mandatory
Detail portfolio of Company Profile containing Introduction date of establishment, Year of Establishment of firm 1. Up to 03 years 2 Marks 2. Up to 05 years 5 Marks 3. Up to 10 years 10 marks	10
Current Financial Position (Bank statements & Audit Reports of last three years) Details of turnover (including in terms of rupees) at least last three years that average turnover should not be less than 8 million per year as per annual returns 1.Bank Statement 1 Points for each year 5 Marks 2.Audit Reports 1 Points for each year 5 Marks 3. Turnover Having 8 Million Per year 5 Marks	15
Availability of Services Centre / (s) Provincial and National Level (Documentary Evidence attached)	10
Sub Total Marks	35
Equipment Technical Evaluation Criteria (Item Wise)	-
Conformance to the Specification	40
Similar nature works Experience 1. Documentary evidence of procurement in completed and certificate of satisfactory completion of works by the employers 15 Marks 2. List of Supplies in progress indicating cost of each work and copy of letter, awarding the work 10 Marks	25
Sub Total Marks	65
Grand Total Marks	100

Note: Minimum 70 marks are required to qualify for financial opening.

Note: The Firms should submit the only tape binding document. No ring binding or open document or any type document will not be entertained