

Bidding Document

PROCUREMENT OF HARDWARE FOR THE IMPLEMENTATION OF CAMPUS MANAGEMENT SOLUTION AT THE UNIVERSITY OF PESHAWAR

**UNDER THE HEC-FUNDED PROJECT TITLED
STRENGTHENING OF UNIVERSITY OF PESHAWAR**

Single Stage – Two Envelope Process

Last date for submission of Bid Documents: January 25, 2018 up to 10:00 AM

Technical Bid Opening Date: January 25, 2018 at 10:30 AM

**PROJECT DIRECTOR
STRENGTHENING OF UNIVERSITY OF PESHAWAR
OFFICE NO.9, BASEMENT OF NEW ACADEMIC BLOCK-II**

UNIVERSITY OF PESHAWAR



UNIVERSITY OF PESHAWAR

Invitation to Bid for Procurement of Hardware

1. Sealed bids on prescribed Tender Forms are invited from well reputed firms registered with Federal Board of Revenue for Income Tax (Active Taxpayers) and Sales Tax purposes for procurement of hardware against a Tender Fee of Rs.1000/- as per following schedule:

Activity	Date and Time
Last date for submission of Bid Documents along-with Separately Sealed Technical and Financial Proposals	25-01-2018 up to 10:00 AM
Opening of Technical Proposals	25-01-2018 at 10:30 AM

2. Selection would be made under 'Single Stage – Two Envelope Procedure':
3. The bidding documents including Contract Conditions and Item Specification can be obtained from Project Directorate – Strengthening of University of Peshawar Project, Office No.9, Basement of Academic Block-II, University of Peshawar, during office hours (8:00 AM to 4:00PM) on any working day (Monday-Friday).
4. The bidders shall clearly and boldly mark the Tender description and date/time of opening at the face of sealed bid/envelope.
5. The Sealed bids, complete in all respects, must reach the office of Project Director, University of Peshawar as per schedule above.
6. The bid shall invariably be accompanied with separate CDRs of prescribed Tender Fee (No-Refundable) and earnest Money @ 2% of bid cost (Refundable), both drawn in the name of The Treasurer, University of Peshawar.
7. Bids submitted without prescribed Tender fee or Earnest Money shall be liable for rejection at the time of Tender opening. Tender fee and Earnest money shall be submitted separately.
8. Tenders will be publicly opened in the Video Conference Hall, Department of Physics, University of Peshawar in the presence of the bidders.
9. The University of Peshawar reserves the right to reject any or all bids in accordance with rules in vogue.

Project Director

Table of Contents

Contents

1.	Invitation to Bid	6
2.	Bidding Details (Instructions to Bidders)	6
3.	Definitions.....	9
4.	Headings and Titles.....	10
5.	Notice.....	10
6.	Tender Scope	10
7.	Tender Eligibility/Qualification Criteria	10
8.	Tender Cost	11
9.	Joint Venture / Consortium	11
10.	Examination of the Tender Document	11
11.	Clarification of the Tender Document	11
12.	Amendment of the Tender Document.....	12
13.	Preparation / Submission of Tender	12
14.	Tender Price	14
15.	Bid Security (Earnest Money)	14
16.	Tender Validity	15
17.	Modification / Withdrawal of the Tender.....	15
18.	Opening of the Tender	15
19.	Clarification of the Tender.....	15
20.	Determination of Responsiveness of the Bid (Tender)	15
21.	Correction of errors / Amendment of Tender	16
22.	Technical Evaluation Criteria	16
23.	Financial Proposal Evaluation.....	18
24.	Rejection / Acceptance of the Bid	19
25.	Award Criteria	20
26.	Acceptance Letter	20
27.	Performance Guarantee	20
28.	Redressal of grievances by the procuring agency	21
29.	Contract	26
30.	Contract Duration.....	26
31.	Contract Documents and Information.....	26
32.	Contract Language	26
33.	Standards	26
34.	Commercial Availability	26
35.	Patent Right.....	26
36.	Execution Schedule	26
37.	Packing.....	27
38.	Insurance	27
39.	Labeling	27
40.	Delivery	27
41.	Installation, Implementation and Maintenance/System Management	27
42.	Site Preparation	28

43.	Safety	28
44.	Test Equipment and Tools	28
45.	Spare Parts and Support	28
46.	Inspection and Testing.....	29
47.	Taking-Over Certificate	29
48.	Warranty	30
49.	Ownership of Goods and Replaced Components.....	30
50.	Defects Liability Expiry Certificate	30
51.	Payment	31
52.	Price.....	31
53.	Contract Amendment	31
54.	Assignment / Subcontract.....	32
55.	Extensions in time for performance of obligations under the Contract	32
56.	Liquidated Damages	32
57.	Blacklisting	32
58.	Forfeiture of Performance Guarantee	32
59.	Termination for Default	33
60.	Termination for Insolvency.....	33
61.	Termination for Convenience	33
62.	Force Majeure	34
63.	Dispute Resolution	34
64.	Statutes and Regulations	34
65.	Taxes and Duties	35
66.	Contract Cost	35
67.	Authorized Representative.....	35
68.	Waiver	35
69.	Training	35
70.	Documentation	35
71.	Special Stipulations.....	37
72.	ANNEXURE-A.....	38
73.	ANNEXURE-B.....	42
74.	ANNEXURE-C.....	43
75.	ANNEXURE-D.....	44
76.	ANNEXURE-E.....	45
77.	ANNEXURE-F.....	46
78.	ANNEXURE-G	48
79.	ANNEXURE-H	49
80.	ANNEXURE-I.....	50

Important Note:

Bidders must ensure that they submit all the required documents indicated in the Bidding Documents without fail. Bids received without, undertakings, valid documentary evidence, supporting documents and the manner for the various requirements mentioned in the Bidding Documents or test certificates are liable to be rejected at the initial stage itself. The data sheets, valid documentary evidences for the critical components as detailed hereinafter should be submitted by the Bidder for scrutiny.

Applicability of Public Procurement Rules, 2004

This Bidding Process will be governed under Public Procurement Rules, 2004, as amended from time to time.

1. Invitation to Bid

1.1 PPRA Rules to be followed

Public Procurement Rules, 2004 will be strictly followed. These may be obtained from PPRA's website. <http://www.ppra.org.pk/>

In this document, unless otherwise mentioned to the contrary, "Rule" means a Rule under the Public Procurement Rules, 2004.

1.2 Mode of Advertisement(s)

As per Rule 12(2&3), this Tender is placed online at both PPRA and University of Peshawar websites. The tender document is available from the Office of Project Director, Strengthening of University of Peshawar, Office No.9, New Academic Block-II, University of Peshawar, Jamrud Road, Peshawar & the same may be obtained subject to the payment of cost of printing and provision of the document which is Rs. 1000/-. Tender Document is also available at www.uop.edu.pk and www.ppra.gov.pk.

1.3 Type of Open Competitive Bidding

As per Rule 36(b), Single Stage - Two Envelope Bidding Procedure shall be followed. The said procedure is reproduced as follows:

- (i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- (ii) the envelopes shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion;
- (iii) initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened;
- (iv) the envelope marked as "FINANCIAL PROPOSAL" shall be retained in the custody of the procuring agency without being opened;
- (v) the 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;
- (vi) during the technical evaluation no amendments in the technical proposal shall be permitted;
- (vii) the financial proposals of bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
- (viii) after the evaluation and approval of the technical proposal the procuring agency, shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically nonresponsive shall be returned un-opened to the respective bidders; and
- (ix) the bid found to be the lowest evaluated bid shall be accepted.

2. Bidding Details (Instructions to Bidders)

All bids must be accompanied by Bid Security (Earnest Money), as part of Financial bid and as per provisions of the clause "Bid Security" of this document in favor of "**Treasurer, University of Peshawar**". The complete bids as per required under this tender document, must be delivered to the Office of the Project Director, Strengthening of University of Peshawar, Office No.9, Basement of Academic Block-II, University of Peshawar, not later than 1000 hours on last date of submission of bids i.e. **January 25, 2018**, late bids shall not be

considered. The Technical bids shall be publicly opened **in Video Conference Hall, Department of Physics, University of Peshawar at 1030 hours on January 25, 2018**. In case the last date of bid submission falls in / within the official holidays / weekends of the Purchaser, the last date for submission of the bids shall be the next working day

Queries of the Bidders (if any) for seeking clarifications regarding the specifications of the hardware must be received in writing to the Purchaser till **16th January, 2018**. Any query received after said date may not be entertained. All queries shall be responded to within due time. UoP may host a Q&A session, if required, **at Video Conference Hall, Department of Physics, University of Peshawar**. **All Bidders shall be informed of the date and time in advance.**

The bidder shall submit bids which comply with the Bidding Document. **Alternative bids and options shall not be considered**. The attention of bidders is drawn to the provisions of this tender document Clause regarding **“Determination of Responsiveness of Bid” and “Rejection / Acceptance of the Tender”** for making their bids substantially responsive to the requirements of the Bidding Document.

It will be the responsibility of the Bidder that all factors have been investigated and considered while submitting the Bid and no claim whatsoever including those of financial adjustments to the contract awarded under this Bid Process will be entertained by the Purchaser. Neither any time schedule, nor financial adjustments arising thereof shall be permitted on account of failure by the Bidder.

It must be clearly understood that the Terms and Conditions and Specifications are intended to be strictly enforced. No escalation of cost except arising from increase in quantity by the Bidder on the demand and approval of the Purchaser will be permitted throughout the period of completion of the contract.

The Bidder should be fully and completely responsible for all the deliveries and deliverables to the Purchaser.

The Contact for all correspondence in relation to this bid is as follows:

Contact

Sajid Ali

Project Manager – Campus Management Solution

Email: sajid.ali@uop.edu.pk

Office of the Campus Management Solution, Near Central Library,
University of Peshawar, Jamrud Road, Peshawar

Bidders should note that during the period from the receipt of the bid and until further notice from the Contact, all queries should be communicated via the Contact and in writing (e-mail) only.

Bidders are also required to state, in their proposals, the name, title, contact number (landline, mobile), fax number and e-mail address of the bidder's authorized representative through whom all communications shall be directed until the process has been completed or terminated.

The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.

Failure to supply required items/services within the specified time period will invoke penalty as specified in this document.

TERMS AND CONDITIONS OF THE TENDER

3. Definitions

In this document, unless there is anything repugnant in the subject or context:

- 3.1 "Authorized Representative" means any representative appointed, from time to time, by the Purchaser or the Contractor.
- 3.2 "Availability and Reliability" means the probability that a component shall be operationally ready to perform its function when called upon at any point in time.
- 3.3 "Bidder/Tenderer" means the interested Firm/Company/Supplier/Distributors that may provide or provides the hardware/equipment etc. and related services to any of the public/private sector organization under the contract and have registered for the relevant business thereof.
- 3.4 "Commencement Date of the Contract" means the date of signing of the Contract between the Purchaser and the Contractor.
- 3.5 "Contract" means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
- 3.6 "Contractor / Vendor" means the Tenderer whose bid has been accepted and awarded Letter of Acceptance for a specific item followed by the signing of Contract.
- 3.7 "Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.
- 3.8 "Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract which is properly apportion-able to the Goods or Services in question.
- 3.9 "Defects Liability Expiry Certificate" means the certificate to be issued by the Purchaser to the Contractor, in accordance with the Contract.
- 3.10 "Day" means calendar day.
- 3.11 "Defects Liability Period" means the warranty period following the taking over, during which the Contractor is responsible for making good, defects and damage in Goods and Services provided, under the Contract.
- 3.12 "Force Majeure" shall mean any event, act or other circumstances not being an event, act or circumstances under the control of the purchaser or of the contractor. Non-availability of materials/supplies or of import license or of export permit shall not constitute Force majeure.
- 3.13 "Goods" means hardware, equipment, machinery, and/or other materials which the Contractor is required to supply to the Purchaser under the Contract against each relevant Lot.
- 3.14 "Person" includes individual, association of persons, firm, company, corporation, institution and organization, etc., having legal capacity.
- 3.15 "Prescribed" means prescribed in the Tender Document.
- 3.16 "Purchaser" means the University of Peshawar or any other person for the time being or from time to time duly appointed in writing by the Purchaser to act as Purchaser for the purposes of the Contract.
- 3.17 "Origin" shall be considered to be the place where the Goods are produced or from where the Services

are provided. Goods are produced when, through manufacturing, processing or assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components. The origin of Goods and Services is distinct from the nationality of the Contractor.

- 3.18 "Services" means installation, configuration, deployment, commissioning, testing, training, support, after sale service, etc. of Goods and other such obligations which the Contractor is required to provide to the Purchaser under the Contract.
- 3.19 "Taking-Over Certificate" means the certificate to be issued by the Purchaser to the Contractor, in accordance with the Contract.
- 3.20 "Works" means work to be done by the Contractor under the Contract.
- 3.21 "Eligible" is defined as any country or region that is allowed to do business in Pakistan by the law of Government of Pakistan

4. Headings and Titles

In this document, headings and titles shall not be construed to be part thereof or be taken into consideration in the interpretation of the document and words importing the singular only shall also include the plural and vice versa where the context so requires.

5. Notice

- 5.1 In this document, unless otherwise specified, wherever provision is made for exchanging notice, certificate, order, consent, approval or instructions amongst the Contractor and the Purchaser, the same shall be:
 - 5.1.1 in writing;
 - 5.1.2 issued within reasonable time;
 - 5.1.3 served by sending the same by courier or registered post to their principal office in Pakistan or such other address as they shall notify for the purpose; and
 - 5.1.4 The words "notify", "certify", "order", "consent", "approve", "instruct", shall be construed accordingly.

6. Tender Scope

- 6.1 University of Peshawar, (hereinafter referred to as "the Purchaser") invites / requests Proposals (hereinafter referred to as "the Tenders") to purchase hardware / IT Equipment (Hereinafter referred to as "the Goods") for implementation of Campus Management Solution and installation, configuration, deployment, commissioning, training, testing, after-sale support, of said Goods (hereinafter referred to as "the Services").
- 6.2 The equipment shall be delivered and deployed at University of Peshawar, Peshawar, or as specified by the Purchaser at the time of delivery.

7. Tender Eligibility/Qualification Criteria

- 7.1 Eligible Bidder/Tenderer is a Bidder/Tenderer who:
 - 7.1.1 has a registered/incorporated company/firm in Pakistan with relevant business experience of last five (5);

- 7.1.2 Must be registered with Tax Authorities as per prevailing latest tax rules (Only those companies which are validly registered with sales tax and income tax departments and having sound financial strengths can participate);
- 7.1.3 has valid Registration of General Sales Tax (GST) & National Tax Number (NTN);
- 7.1.4 has submitted bid for complete equipment and relevant bid security;
- 7.1.5 must be involved in computer hardware manufacturing or sales or supply business as required to be supplied under this Tender for at last five (5) years;
- 7.1.6 has authorization of the principal / manufacturer;
- 7.1.7 has not been blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan. (Submission of undertaking on legal stamp paper is mandatory), failing which will cause rejection of the bid;
- 7.1.8 has the required relevant qualified personnel and enough strength to fulfill the requirement of assignment.
- 7.1.9 Conforms to the clause of "Responsiveness of Bid" given herein this tender document.
- 7.1.10 Goods and Services can only be supplied / sourced / routed from "origin" in "eligible" member countries.
 - a. "Eligible" is defined as any country or region that is allowed to do business in Pakistan by the law of Government of Pakistan.
 - b. "Origin" shall be considered to be the place where the Goods are produced or from which the Services are provided. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

Note: Verifiable documentary proof for all above requirements is a mandatory requirement, noncompliance will lead to disqualification.

8. Tender Cost

The Tenderer shall bear all costs / expenses associated with the preparation and submission of the Tender(s) and the Purchaser shall in no case be responsible / liable for those costs / expenses.

9. Joint Venture / Consortium

Joint venture / Consortium is not eligible for this tender.

10. Examination of the Tender Document

The Tenderer is expected to examine the Tender Document, including all instructions and terms and conditions.

11. Clarification of the Tender Document

The Tenderer may require further information or clarification of the Tender Document in writing upto **January 15, 2018** in writing.

Bidders should note that during the period from the receipt of the bid and until further notice from the Contact given herein this document, all queries should be communicated via the Contact and in writing (e.g. e-mail and letter) only.

12. Amendment of the Tender Document

- 12.1 The Purchaser may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s).
- 12.2 The Purchaser shall notify the amendment(s) in writing to the prospective Tenderers as per Public Procurement Rules, 2004.
- 12.3 The Purchaser may, at its exclusive discretion, amend the Tender Document to extend the deadline for the submission of the Tender as per Rule-23(3) of Public Procurement Rules, 2004.

13. Preparation / Submission of Tender

- 13.1 The Tenderer shall bid for complete hardware/software/equipment as required to be purchased under this Tender.
- 13.2 The Tender and all documents relating to the Tender, exchanged between the Tenderer and the Purchaser, shall be in English. Any printed literature furnished by the Tenderer in another language shall be accompanied by an English translation which shall govern for purposes of interpretation of the Tender.
- 13.3 The Tender shall be filed in / accompanied by the prescribed Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, etc. which shall be typed, completely filled in, stamped and signed by the Tenderer or his Authorized Representative. In case of copies, signed and stamped photocopies may be submitted. If volume of the bid contains various set(s) of documents the same must be properly numbered and tagged in binding shape.
- 13.4 The Tender shall be in two parts i.e. the technical proposal and the financial proposal. Each proposal shall be in two sets i.e. the original and the copy. In the event of any discrepancy between the original and the duplicate, the original shall govern.
- 13.5 Technical Proposal shall comprise the following, **without quoting the price:**
- 13.6 Technical Proposal Form (**Annexure-B**)
 - 13.6.1 Undertaking (All terms & conditions and qualifications listed anywhere in this tender document have been satisfactorily vetted) and Affidavit (Integrity Pact) (**Annexure-G&H**)
 - 13.6.2 Certificate of Company/Firm Registration/Incorporation under the laws of Pakistan
 - 13.6.3 Covering letter duly signed and stamped by authorized representative. (**Annexure-E**)
 - 13.6.4 Authorization Certificate / document from the principal / manufacturer;
 - 13.6.5 Evidence of eligibility of the Tenderer and the Goods
 - 13.6.6 Evidence of conformity of the Goods / the Services to the Tender Document
 - 13.6.7 Undertaking and Evidence that the quoted Goods are genuine, brand new, non- refurbished, un-altered in any way, of the most recent / current model, imported through proper channel, and incorporate all recent improvements in design and materials
 - 13.6.8 Technical Brochures / Literature

- 13.6.9 Details of Warranty and After-Sale Service
- 13.6.10 List of firm's major international and national clientele
- 13.6.11 Submission of undertaking on legal valid and attested stamp paper that the firm is not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or Private Sector Organization anywhere in Pakistan.
- 13.6.12 Valid Registration Certificate for Income Tax & Sales Tax
- 13.6.13 Power of Attorney, if an authorized representative is appointed (**Annexure-F**)
- 13.7 The Financial Proposal shall comprise the following:
- 13.7.1 Financial Proposal Form (**Annexure-C**)
- 13.7.2 Price Schedule (**Annexure-D**)
- 13.7.3 **Bid Security** (Earnest Money), **as per provisions of the clause Bid Security of this document**
- 13.8 The Tenderer shall seal the Original Technical Proposal in an envelope duly marked as under:
Original Technical Tender for Tender Name. [Name of Tender]
[Name of the Purchaser] [Address of the Purchaser]
[Name of the Tenderer] [Address of the Tenderer] [Phone No. of the Tenderer]
- 13.9 The Tenderer shall seal the Duplicate Technical Tender in an envelope duly marked as under:
Duplicate Technical Proposal for Tender Name. [Name of Tender]
[Name of the Purchaser] [Address of the Purchaser]
[Name of the Tenderer] [Address of the Tenderer] [Phone No. of the Tenderer]
- 13.10 The Tenderer shall follow the same process for the Financial Tender.
- 13.11 The Tenderer shall again seal the sealed envelopes of Original Technical Proposal and the Original Financial Proposal in an outer envelope, duly marking the envelope as under:
Original Tender for Tender Name. [Name of Tender]
Strictly Confidential
[Name of the Purchaser] [Address of the Purchaser]
[Name of the Tenderer] [Address of the Tenderer] [Phone No. of the Tenderer]
- 13.12 The Tenderer shall again seal the sealed envelopes of Duplicate Technical Proposal and the Duplicate Financial Proposal in an outer envelope, duly marking the envelope as under:
Duplicate Tender for Tender Name. [Name of Tender]
Strictly Confidential
[Name of the Purchaser] [Address of the Purchaser]
[Name of the Tenderer] [Address of the Tenderer] [Phone No. of the Tenderer]
- 13.13 The Tenderer shall enclose soft copies of the Technical Proposal, including all Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, etc., in the form of MS Word Documents, MS Excel Worksheets and Scanned images, with the hard copies.
- 13.14 The Tender shall reach/be submitted in the Office of the Project Director, Strengthening of University of Peshawar, Office No. 9, New Academic Block-II, University of Peshawar, Jamrud Road, Peshawar, not later than 1000 hours on last date of submission of bids. No late bid shall be accepted.

- 13.15 This is made obligatory to affix authorized signatures with official seal on all original and duplicate (copies) documents, annexures, copies, certificates, brochures, literature, drawings, letters, forms and all relevant documents as part of the bids submitted by the tenderer.

14. Tender Price

- 14.1 The quoted price shall be:
- 14.1.1 best / final / fixed and valid until completion of all obligations under the Contract i.e. not subject to variation / escalation;
 - 14.1.2 in Pak Rupees;
 - 14.1.3 inclusive of all taxes, duties, levies, insurance, freight, etc.;
 - 14.1.4 including all charges up to the delivery point at University of Peshawar, Peshawar.
- 14.2 If not specifically mentioned in the Tender(s), it shall be presumed that the quoted price is as per the above requirements.
- 14.3 Where no prices are entered against any item(s), the price of that item shall be deemed be free of charge, and no separate payment shall be made for that item(s).
- 14.4 In case of locally produced Equipment/Service, the price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item. In case of Contract of imported Equipment/Services offered Ex-Warehouse/Off-the-Shelf from within the Purchaser's country, import duties and sales and other taxes already paid shall be shown separately (if required by the Purchaser).

15. Bid Security (Earnest Money)

- 15.1 The Tenderer shall furnish the Bid Security (Earnest Money) as under:
- 15.1.1 02 % (Two Percent) of the bid price;
 - 15.1.2 denominated in Pak Rupees;
 - 15.1.3 separately against each Lot given in this tender document;
 - 15.1.4 as part of financial bid envelope, failing which will cause rejection of bid.
 - 15.1.5 in the form of Demand Draft / Pay Order / Call Deposit Receipt in the name of the purchaser;
 - 15.1.6 have a minimum validity period of one hundred and twenty (120) days from the last date for submission of the Tender or until furnishing of the Performance Guarantee, whichever is later.
- 15.2 The Bid Security shall be forfeited by the Purchaser, on the occurrence of any / all of the following conditions:
- 15.2.1 If the Tenderer withdraws the Tender during the period of the Tender validity specified by the Tenderer on the Tender Form; or
 - 15.2.2 If the Tenderer does not accept the corrections of his Total Tender Price; or
 - 15.2.3 If the Tenderer, having been notified of the acceptance of the Tender by the Purchaser during the period of the Tender validity, fails or refuses to furnish the Performance Guarantee, in accordance with the Tender Document.
- 15.3 The Bid security shall be returned to the technically unsuccessful Tenderer with unopened/sealed

financial bid while the unsuccessful bidders of financial bid opening procedure will be returned the Bid Security only. The Bid Security shall be returned to the successful Tenderer upon furnishing of the Performance Guarantee.

16. Tender Validity

The Tender shall have a minimum validity period of ninety (90) days from the last date for submission of the Tender. The Purchaser may solicit the Tenderer's consent to an extension of the validity period of the Tender. The request and the response thereto shall be made in writing. If the Tenderer agrees to extension of validity period of the Tender, the validity period of the Bid Security shall also be suitably extended. The Tenderer may refuse extension of validity period of the Tender, without forfeiting the Bid security.

17. Modification / Withdrawal of the Tender

- 17.1 The Tenderer may, by written notice served on the Purchaser, modify or withdraw the Tender after submission of the Tender, prior to the deadline for submission of the Tender.
- 17.2 The Tender, withdrawn after the deadline for submission of the Tender and prior to the expiration of the period of the Tender validity, shall result in forfeiture of the Bid Security.

18. Opening of the Tender

- 18.1 Tenders (Technical Bids) shall be opened at 1030 hours on the last date of submission of bids i.e. **January 25, 2018**, in the presence of the Tenderer(s) for which they shall ensure their presence without further invitation, as per provision of Rule-28 of Public Procurement Rules, 2004. In case the last date of bid submission falls in / within the official holidays / weekends of the Purchaser, the last date for submission of the bids shall be the next working day.
- 18.2 The Tenderer's name, modifications, withdrawal, security, attendance of the Tenderer and such other details as the Purchaser may, at its exclusive discretion, consider appropriate, shall be announced and recorded.
- 18.3 No tenderer or its representative will be allowed to keep any digital device (camera, audio recorder, cell phone etc.) during tender opening meeting at given time and location.

19. Clarification of the Tender

The Purchaser shall have the right, at his exclusive discretion, to require, in writing, further information or clarification of the Tender, from any or all the Tenderer(s). No change in the price or substance of the Tender shall be sought, offered or permitted except as required to confirm the corrections of arithmetical errors discovered in the Tender. Acceptance of any such correction is sole discretion of the purchaser.

20. Determination of Responsiveness of the Bid (Tender)

- 20.1 The Purchaser shall determine the substantial responsiveness of the Tender to the Tender Document, prior to the Tender evaluation, on the basis of the contents of the Tender itself without recourse to extrinsic evidence. A substantially responsive Tender is one which:
 - 20.1.1 meets the eligibility criteria given herein this tender document/ the Goods / the Services;
 - 20.1.2 meets the Technical Specifications for the Goods / the Services;
 - 20.1.3 meets the delivery period / point for the Goods / the Services;

- 20.1.4 in compliance with the rate and limit of liquidated damages;
- 20.1.5 offers fixed price quotations for the Goods / the Services, whereby no optional offer / bid or price is allowed;
- 20.1.6 is accompanied by the required Bid Security as part of financial bid envelope;
- 20.1.7 In compliance with the Preparation/Submission of Tender in a manner prescribed in this tender document clause-13;
- 20.1.8 Conforms to all terms and conditions of the Tender Document, without material deviation or reservation.
- 20.2 A material deviation or reservation is one which affects the scope, quality or performance of the Goods or limits the Purchaser's rights or the Tenderer's obligations under the Contract.
- 20.3 The Tender determined as not substantially responsive shall not subsequently be made responsive by the Tenderer by correction or withdrawal of the material deviation or reservation.

21. Correction of errors / Amendment of Tender

- 21.1 The Tender shall be checked for any arithmetic errors which shall be rectified, as follows:
 - 21.1.1 if there is a discrepancy between the amount in figures and the amount in words for the Total Tender Price entered in the Tender Form, the amount which tallies with the Total Tender Price entered in the Price Schedule, shall govern.
 - 21.1.2 if there is a discrepancy between the unit rate and the total price entered in the price Schedule, resulting from incorrect multiplication of the unit rate by the quantity, the unit rate as quoted shall govern and the total price shall be corrected, unless there is an obvious and gross misplacement of the decimal point in the unit rate, in which case the total price as quoted shall govern and the unit rate shall be corrected.
 - 21.1.3 if there is a discrepancy in the actual sum of the itemized total prices and the total tender price quoted in the Price Schedule, the actual sum of the itemized total prices shall govern.
- 21.2 The Tender price as determined after arithmetic corrections shall be termed as the Corrected Total Tender Price which shall be binding upon the Tenderer.
- 21.3 Adjustment shall be based on corrected Tender Prices. The price determined after making such adjustments shall be termed as Evaluated Total Tender Price.
- 21.4 No credit shall be given for offering delivery period earlier than the specified period.

22. Technical Evaluation Criteria

PASS MARKS: A technically eligible bidder, based on conditions listed in this document, not meeting the 70% pass marks limit will be rejected in Technical Evaluation, and its sealed/unopened Financial Proposal shall be returned back. All bidders scoring greater than or equal to 70% of the marks will be accepted in technical proposal, and their financial bids will be opened.

PROVISO: Provided that if NONE or ONLY ONE (single) bidder exceeds the 70% pass mark, then the Purchaser SHALL decrease the Pass Mark limit to 60%. In other words, if TWO or more bidders exceed 70%, then the Pass Mark will NOT be decreased to 60%.

If Pass Marks are decreased to 60%, then ALL bidders with scores greater than or equal to 60% shall be considered EQUALLY as approved in the Technical Evaluation, and their Financial Bids shall be opened.

The Bidders who have duly complied with the Eligibility/Qualification and Evaluation Criteria will be eligible for further processing.

The Bids which do not conform to the Technical Specifications or Bid conditions or the Bids from the Bidders without adequate capabilities for supply and maintenance / warranty services will be rejected.

The Technical proposals shall be evaluated by the technical evaluation committee in the light of following evaluation criteria:

A. Mandatory Requirement:

S.No.	Requirement	Response (Yes/No)	Documentary Proof/ Page No.										
1	Brief Company Profile												
2	Active Income Taxpayer Status												
3	Active Sales Taxpayer Status												
4	Undertaking on legal valid and attested stamp paper that the firm is not blacklisted by any of Provincial or Federal Government Departments, Agencies, Organizations or autonomous bodies or Private Sector Organizations anywhere in Pakistan.												
5	A Certificate must be attached showing that the equipment/supplies quoted by the firm are imported through legal channel/(s) and no grey channel/smuggled product is quoted.												
6	A Certificate on the Official Letterhead that the quoted products Hundred Percent (100%) comply to the technical specifications of hardware (all items) to be procured mentioned vide Annexure-A of this document												
7	Manufacturer Authorization Letter/Certificate for participating in this tender from Manufacturer												
8	Technical expertise available (complete list of technical manpower to be provided indicating position, qualification and experience)												
9	Undertaking that the bidder has completely read the bid document and is agreed to fully comply with its terms and conditions and the Execution Schedule and Delivery Period mentioned in it												
9	At least 5 Years' Experience in supplies/installation of similar equipment to government/semi-government/ private company/ department (Documentary Proof in form of Work Order/Satisfactory Report must be attached). Detail as per following proforma be attached: The bidders should fill the table given below as mandatory requirement.												
<table border="1"> <thead> <tr> <th>S.No.</th> <th>Name of Customer</th> <th>Number of Network Points/Switches</th> <th>Amount</th> <th>Year of Job</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				S.No.	Name of Customer	Number of Network Points/Switches	Amount	Year of Job					
S.No.	Name of Customer	Number of Network Points/Switches	Amount	Year of Job									
10	A Certificate that the Quoted Brands of Hardware and Software is in the business globally for a minimum period of 10 years												
11	Verifiable presence at Peshawar with ability to provide rapid/prompt support at University of Peshawar												

12	Upon request, bidder must arrange onsite visit where the solution is deployed		
13	A Certificate that CDR @ 2% of bid cost is attached with Financial Proposal		

B. Non-Mandatory/Scoring Requirement/Criteria

S.No	Criteria List	Description	Max. Marks	Response of Bidder w.r.t Criteria	Documentary Proof/ Page No.
1	Firm's years of service	Minimum 5 Years (Mandatory); 1 Mark for each year beyond 5 years	10		
2	Value of Similar IT Projects	Similar IT projects in last five years. Each project will be vetted as follows: Below 5 Mn. PKR = 0 marks Above 5 and below 10 Mn = 2 marks Above 10 and below 15 Mn = 3 marks Above 15 Mn = 4 marks	20		
3	Hardware Experience	Authorized reseller/distributor of quoted hardware. Please attach certificates maximum five (5) reseller certificates. Each reseller certificate carries 2 marks	10		
4	List of certified staff in the specified domain issued by the Principal	2 points each for every member	10		
5	Support Offices within the Country having helpdesk support and UAN/toll free number	Company having Peshawar office will get 4 points and 2 points each for every support office in other cities	10		
	Total Marks		60		

Note: Verifiable documentary proof for all above requirements and criteria points are mandatory requirement and marks will be awarded on the basis of these verifiable proofs.

23. Financial Proposal Evaluation

23.1 Technically qualified/successful bidder(s)/Tenderer(s) shall be called for opening of the Financial Proposal(s). The Financial Proposals will be opened in the presence of the Bidders at the time and venue indicated by the Purchaser accordingly. The technically Eligible/Successful Bidder(s)/Tenderer(s) or their authorized representatives shall be allowed to take part in the Financial Proposal(s) opening.

23.2 Financial Proposal evaluation will be conducted under the Public Procurement Rules, 2004. The Price

evaluation will include all duties, taxes and expenses etc. In case of any exemption of duties and taxes made by the Government in favor of the Purchaser, the contractor shall be bound to adjust the same in the Financial Proposal.

- 23.3 In cases of discrepancy between the cost/price quoted in Words and in Figures, the lower of the two will be considered.
- 23.4 In evaluation of the price of an imported item, the price will be determined and considered inclusive of the customs and other import duties etc.;
- 23.5 In evaluation of the price of articles/goods which are subject to excise duty, sales tax, income tax or any other tax or duty levied by the Government, the price will be determined and considered inclusive of such duties and taxes.
- 23.6 The Purchaser will not be responsible for any erroneous calculation of taxes and all differences arising out as above shall be fully borne by the Successful Bidder. However, any subsequent changes in rates or structure of applicable taxes by the Gov. at any time during execution/evaluation period will be dealt with mutual consent.

24. Rejection / Acceptance of the Bid

- 24.1 The Purchaser shall have the right, at his exclusive discretion, to increase / decrease the quantity of any or all item(s) without any change in unit prices or other terms and conditions, at the time of order placement. The Purchaser may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The Purchaser shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds. The Purchaser shall incur no liability, solely, by virtue of its invoking sub-rule (1) of Rule-33 of Public Procurement Rules, 2004 towards the bidders. However, bidders shall be promptly informed about the rejection of the bids, if any (As per Rule 33 of Public Procurement Rules, 2004).
- 24.2 The Tender shall be rejected if it is:
 - 24.2.1 substantially non-responsive in a manner prescribed in this tender document clause-20; or
 - 24.2.2 submitted in other than prescribed forms, annexes, schedules, charts, drawings, documents / by other than specified mode; or
 - 24.2.3 incomplete, partial, conditional, alternative, late; or
 - 24.2.4 bid is not submitted completely for all the items required to be purchased under this Tender; or
 - 24.2.5 bid security is not submitted; or
 - 24.2.6 subjected to interlineations / cuttings / corrections / erasures / overwriting; or
 - 24.2.7 the Tenderer refuses to accept the corrected Total Tender Price; or
 - 24.2.8 the Tenderer has conflict of interest with the Purchaser; or
 - 24.2.9 the Tenderer tries to influence the Tender evaluation / Contract award; or
 - 24.2.10 the Tenderer engages in corrupt or fraudulent practices in competing for the Contract award;
 - 24.2.11 the Tenderer fails to meet all the requirements of Tender Eligibility / Qualification Criteria (Clause-7);
 - 24.2.12 the Tenderer fails to meet the evaluation criteria requirements (clause-22);
 - 24.2.13 the tenderer has been blacklisted by any public or private sector organization;

- 24.2.14 the tenderer has been served any legal notices or displeasure letters by any public sector organization on serious failures to provide satisfactory services;
- 24.2.15 the tenderer has mentioned any financial implication(s) in the financial proposal that is in contradiction to this document and Government rules and regulations.
- 24.2.16 there is any discrepancy between bidding documents and bidder's proposal i.e. any non-conformity or inconsistency or informality or irregularity in the submitted bid.
- 24.2.17 the Tenderer submits any financial conditions as part of its bid which are not in conformity with tender document.
- 24.2.18 Non-submission of verifiable proofs against the mandatory as well as general documentary, qualification and eligibility related requirements.
- 24.2.19 If the rates quoted by vender are not workable or on higher side etc.

25. Award Criteria

- 25.1 At first step, eligible bidder(s)/tenderer(s) as per clause-7 (Tender Eligibility) of this tender document fulfilling the qualification and technical evaluation criteria will stand technically qualified.
- 25.2 At second step, technically qualified and successful bidder(s)/tenderer(s) will be evaluated in the light of all Pre-Conditions, necessary requisites and shall be selected on lowest cost quoted as per rules and fulfilling all codal formalities, irrespective of their score in the previous step.

26. Acceptance Letter

As per provisions of Rule (38) of Public Procurement Rules 2004, the Purchaser shall issue the Acceptance Letter to the successful Tenderer, at least after 10 days of announcement of bid evaluation reports (Ref. Rule-35 of Public Procurement Rules, 2004) and prior to the expiry of the original validity period or extended validity period of the Tender, which shall constitute a contract, until execution of the formal Contract.

27. Performance Guarantee

- 27.1 The successful Tenderer/The Contractor shall furnish Performance Guarantee as under:
- 27.1.1 within twenty-eight (28) days of the receipt of the Acceptance Letter from the Purchaser;
- 27.1.2 in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document;
- 27.1.3 for a sum equivalent to 10% of the contract value;
- 27.1.4 denominated in Pak Rupees;
- 27.1.5 have a minimum validity period until the date of expiry of warranty period, support period or termination of services, or fulfillment of all obligations under the contract, whichever is later. No other shape or form of Performance Guarantee shall be acceptable with any validity less than the prescribed time period.
- 27.2 The Performance Guarantee shall be payable to the Purchaser, on occurrence of any / all of the following conditions:
- 27.2.1 If the Contractor commits a default under the Contract;
- 27.2.2 If the Contractor fails to fulfill the obligations under the Contract;

- 27.2.3 If the Contractor violates any of the terms and conditions of the Contract.
- 27.3 The Contractor shall cause the validity period of the performance guarantee to be extended for such period(s) as the contract performance may be extended. The Performance Guarantee shall be returned to the Tenderer within thirty working days after the expiry of its validity on written request from the Contractor.
- 27.4 In case the Contractor fails to furnish Performance Guarantee in the shape of bank guarantee within the stipulated period given under Letter of Acceptance and subsequent formal contract, or till end of the currency of the said contract, the amount of bank guarantee, as required, shall be deducted from the amount payable to the Contractor.

28. Redressal of grievances by the procuring agency

- 28.1 Any bidder feeling aggrieved by any act of the Purchaser after the submission of his bid may lodge a written complaint concerning his grievances, to the Grievance Redressal Committee of the Procuring Agency, not later than ten days after the announcement of the bid evaluation report.
- 28.2 The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint.
- 28.3 Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.
- 28.4 Any bidder not satisfied with the decision of the committee of the Purchaser may lodge an appeal in the relevant court of jurisdiction.

TERMS & CONDITIONS OF THE CONTRACT

Contract Title:

**PROCUREMENT OF HARDWARE FOR THE
IMPLEMENTATION OF
CAMPUS MANAGEMENT SOLUTION AT THE
UNIVERSITY OF PESHAWAR**

[Name of Contractor]

Dated:

TABLE OF CONTENTS

I.	Agreement
II.	General Conditions of Contract
29.	Contract
30.	Contract Duration
31.	Contract Documents and Information
32.	Contract Language
33.	Standards
34.	Commercial Availability
35.	Patent Right
36.	Execution Schedule
37.	Packing
38.	Insurance
39.	Labeling
40.	Delivery
41.	Installation and Implementation
42.	Site Preparation
43.	Safety
44.	Test Equipment and Tools
45.	Spare Parts and Support
46.	Inspection and Testing
47.	Taking-Over Certificate
48.	Warranty
49.	Ownership of Goods and Replaced Components
50.	Defects Liability Expiry Certificate
51.	Payment
52.	Price
53.	Contract Amendment
54.	Assignment / Subcontract
55.	Extensions in time for performance of obligations under the Contract
56.	Liquidated Damages
57.	Blacklisting
58.	Forfeiture of Performance Guarantee
59.	Termination for Default
60.	Termination for Insolvency
61.	Termination for Convenience
62.	Force Majeure
63.	Dispute Resolution
64.	Statutes and Regulations
65.	Taxes and Duties
66.	Contract Cost
67.	Authorized Representative
68.	Waiver
69.	Training
70.	Documentation
III.	Technical Specifications

This CONTRACT AGREEMENT (this "Contract") made as of the [day] of [month], [year], between [full legal name of the Purchaser] (the "Purchaser"), on the one part,

and

[full legal name of Contractor], on the other part severally liable to the Purchaser for all of the Contractor's obligations under this Contract and is deemed to be included in any reference to the term "the Contractor."

RECITALS

WHEREAS,

- (a) The Government through the Purchaser intends to spend a part of its budget / funds for making eligible payments under this contract. Payments made under this contract will be subject, in all respects, to the terms and conditions of the Contract in lieu of the consulting services as described in the contract.
- (b) The Purchaser has requested the Contractor to provide certain supply of Goods/items as described in Tender Document; and
- (c) The Contractor, having represented to the Purchaser that it has the required professional skills, and personnel and technical resources, has agreed to provide such services on the terms and conditions set forth in this Contract.

NOW THEREFORE, the Parties to this Contract agree as follows:

1. The Contractor hereby covenants with the Purchaser to supply the Goods and provide the Services and to remedy defects / damage therein, at the time and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of the payments to be made by the Purchaser to the Contractor.
2. The Purchaser hereby covenants with the Contractor to pay the Contractor, the Contract Price or such other sum as may become payable, at the times and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of supply of the Goods and provision of the Services and remedying of defects / damage therein.
3. The following shall be deemed to form and be read and construct as part of this Contract:
 - a. The Tender Document
 - b. Bidder's Proposal
 - c. Terms and Conditions of the Contract
 - d. Special Stipulations
 - e. The Technical Specifications
 - f. Tender Form
 - g. Price Schedule
 - h. Affidavit(s)
 - i. Authorized Dealership / Agency Certificate
 - j. Performance Guarantee

- k. Service Level Agreement (SLA) (if required)
- l. Non-Disclosure Agreement (if required)
- m. Any Standard Clause acceptable for Purchaser

4. This Contract shall prevail over all other documents. In the event of any discrepancy / inconsistency within the Contract, the above Documents shall prevail in the order listed above.

IN WITNESS whereof the Parties hereto have caused this Contract to be executed in accordance with the laws of Pakistan as of the day, month and year first indicated above.

For **[full legal name of the Purchaser]:**

For **[full legal name of the Contractor]:**

Signature

Signature

Name

Name

Witnessed By:

Witnessed By:

WITNESSES

Signature _____

Signature _____

CNIC # _____

CNIC # _____

Name _____

Name _____

Designation _____

Designation _____

Address _____

Address _____

II. General Conditions of Draft Contract

29. Contract

The Purchaser shall, after receipt of the Performance Guarantee from the successful Tenderer, send the Contract provided in the Tender Document, to the successful Tenderer. Within three working days of the receipt of such Contract, the Tenderer shall sign and date the Contract and return it to the Purchaser.

30. Contract Duration

The Contract duration shall be for the period of **three (3) years**, starting from the date of delivery, installation, deployment & commissioning of all Goods / Equipment / Items till end of warranty / support period.

31. Contract Documents and Information

The Contractor shall not, without the Purchaser's prior written consent, make use of the Contract, or any provision thereof, or any document(s), specifications, drawing(s), pattern(s), sample(s) or information furnished by or on behalf of the Purchaser in connection therewith, except for purposes of performing the Contract or disclose the same to any person other than a person employed by the Contractor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

32. Contract Language

The Contract and all documents relating to the Contract, exchanged between the Contractor and the Purchaser, shall be in English. The Contractor shall bear all costs of translation to English and all risks of the accuracy of such translation.

33. Standards

The Goods supplied and the Services provided under this Contract shall conform to the authoritative latest industry standards.

34. Commercial Availability

The Goods supplied under this Contract shall be commercially available at the time of signing of the contract. Commercial availability means that such Goods shall have been sold, installed and operationalized in more than two installations initiated under two separate contracts by manufacturer globally.

35. Patent Right

The Contractor shall indemnify and hold the Purchaser harmless against all third party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods / the Service or any part thereof.

36. Execution Schedule

The Contractor shall deliver Goods/ordered equipment within eight (08) weeks from the issuance of Acceptance Letter.

37. Packing

The Contractor shall provide such packing of the Goods as is sufficient to prevent their damage or deterioration during storage / transit to their final destination as indicated in the Contract. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and withstand, without limitation, rough handling, exposure to extreme temperatures, salt and precipitation at all points in storage / transit. The Contractor shall arrange and pay for the packing of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

38. Insurance

The Contractor may provide such insurance of the Goods as is sufficient to protect against their damage or deterioration during storage / transit to their final destination as indicated in the Contract. The Contractor shall arrange and pay for the insurance of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

39. Labeling

The Goods supplied under the Contract, shall be clearly labeled so as to correspond with the delivered documentation, with proper labeling scheme. All equipment, cables, connectors, ports, boxes shall be clearly labeled.

40. Delivery

- 40.1 The Contractor shall indicate his delivery approach clearly specifying the requirements for packing, shipping and unpacking of deliverable hardware with any associated/relevant software and its documentation. The approach shall address shipment of deliverables to the designated (installation) site. The approach shall also specify any special shipping constraints such as custom requirements, security requirements, access arrangement or loading dock requirements. The Contractor shall deliver the Goods at the University of Peshawar, Peshawar, or any other site within Peshawar, as specified by the Purchaser at the time of delivery.
- 40.2 The Goods shall remain at the risk and under the physical custody of the Contractor until the delivery, testing and taking over of the Goods is completed.
- 40.3 The Contractor shall ensure that the Goods shall be delivered complete to enable the testing and training to proceed without interruption. If it shall appear to the Purchaser that the Goods have been or are likely to be delayed by reason of incomplete delivery or for any other reasons, he may require the Contractor at the expense of the Contractor to dispatch the missing items of the Goods or suitable replacements thereof to the site of delivery by the fastest available means including air freight.
- 40.4 The Contractor shall include in the Tender a detailed logistics plan which shall include support details for transportation, mobilization and personnel scheduling during project implementation and the warranty period. The Contractor shall provide maintenance, supply and procurement support necessary for Purchaser to maintain all system, at the contracted performance and reliability level. The Contractor shall arrange and pay for the transport of the Goods to the place of destination as specified in the Contract.

41. Installation, Implementation and Maintenance/System Management

- 41.1 The Contractor shall ensure that the implementation design conforms to an open standard by which new services can be added without disruption to existing services.

- 41.2 The Contractor shall ensure that the implementation is fault tolerant. This is accomplished by supplying a set of programs and procedures that allow the system recovery or roll back when a fault is detected.
- 41.3 The Contractor shall provide a document stating step-by-step procedures for installation and disaster recovery to the Purchaser.
- 41.4 The Contractor shall provide all the recent patches and updates for Firmware/Hardware, on a reliable media, with proper labeling, during the installation to the Purchaser.
- 41.5 The Contractor shall configure the system for high availability and reliability, of all hardware and software.
- 41.6 The Contractor shall submit detailed and complete installation, transition and cutover plan for the new system, installation procedures for the new components specifying equipment checkout, installation constraints, operational cutover, maintenance prior to Purchaser acceptance and if special security and/or access arrangements are required.
- 41.7 The Contractor shall depute a qualified Resident Engineer on-site at the University of Peshawar for **One Year** after successful installation and configuration of the System, who will be responsible to completely maintain and manage the system including Server & Storage Management, Virtualization, Backups, Security Administration and other routine tasks.

42. Site Preparation

- 42.1 The Contractor shall be responsible to survey the site, prepare the site, determine power, air conditioning and floor space requirements, identify and install, if necessary, any special / additional power and air conditioning requirements, for the proposed equipment, if any.
- 42.2 The Purchaser shall facilitate the Contractor in discharge of the above responsibilities.

43. Safety

- 43.1 The Contractor shall be responsible for the embedding of safety features in the inherent design of the equipment, for elimination of identified hazards, including but not limited to high voltage, electromagnetic radiation, sharp points and edges, etc., and reduction of associated risk to personnel and equipment.
- 43.2 The Contractor shall be responsible for the addition of bilingual warnings and caution notices, where hazards cannot be eliminated or risks cannot be reduced.
- 43.3 The Contractor shall be responsible for the protection of the power sources, controls, and critical components of the redundant systems and subsystems by shielding or physical separation when possible.

44. Test Equipment and Tools

The Contractor shall evaluate the existing facilities and abilities of the Purchaser to accomplish corrective and preventive maintenance and support and identify additional skills, test equipment and tools required to maintain and support the new equipment. Such test equipment and tools shall be state of the art in design aimed at providing an efficient, systematic and cost effective repair operation for all replaceable components.

45. Spare Parts and Support

- 45.1 The Contractor shall ensure that the Goods provided by the Contractor, under the Contract are standard

and of exact Equipment / Hardware, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

- 45.2 The Contractor shall further ensure that the Goods provided by the Contractor, under the Contract shall have no defect, arising from design, materials, installation, configuration, or from any act or omission of the Contractor that may develop under normal use of the provided Goods.
- 45.3 The Contractor shall maintain sufficient backup stock of spare parts and tools locally at sites, for the maintenance of the supplied Goods, during the warranty period.
- 45.4 The Contractor shall ensure availability of spare parts and technical assistance for all components for at least three years, without major changes, after the completion of final acceptance.
- 45.5 The Contractor shall give six months advance notice on any discontinued part(s) with a suggestion for appropriate alternatives failing which will cause forfeiture of Performance Guarantee.
- 45.6 The Contractor shall also identify and provide the following:
 - 45.6.1 items (repairable spares, parts and consumable supplies) that are needed to maintain design performance, reliability and availability standards prescribed in the Technical Specifications. The quantity of spare parts and consumable items provided and kept shall be equal to the requirements for one year of operating stock;
 - 45.6.2 critical items, whose failure would cause a system failure;
 - 45.6.3 items of high cost and/or long lead time (over thirty working days);
 - 45.6.4 items whose design reliability is such that normal stock replenishment would not justify maintaining a level of the item in stock.

46. Inspection and Testing

- 46.1 The Purchaser shall inspect and test the Goods supplied, the Services provided or the Works carried out, under the Contract, to verify their conformity to the Technical Specifications.
- 46.2 The inspections and tests shall be conducted at the premises of the Contractor / at the final destination. Where conducted at the premises of the Contractor, the Contractor shall provide all-reasonable facilities and assistance, including access to drawings, production data and online verification from official web site of the Manufacture, to the inspectors, at no charge to the Purchaser.
- 46.3 The Purchaser may reject the Goods, the Services or the Works if they fail to conform to the Technical Specifications, in any test(s) or inspection(s) and the Contractor shall either replace the rejected Goods, Services or Works or make all alterations necessary to meet the Technical Specifications, within three working days, free of cost to the Purchaser.
- 46.4 The Purchaser's post-delivery right to inspect, test and, where necessary, reject the Goods shall in no way be limited or waived by reason of pre-delivery inspection, testing or passing of the Goods.
- 46.5 Nothing contained in this document shall, in any way, release the Contractor from any Warranty or other obligations under the Contract.

47. Taking-Over Certificate

- 47.1 The Contractor shall, by written notice served on the Purchaser, apply for a Taking-Over Certificate.
- 47.2 The Purchaser shall, within fourteen days of receipt of Contractor's application, either issue the Taking-Over Certificate to the Contractor, stating the date of successful inspection / testing of the Goods or any

portion thereof, for their intended purposes; or reject the application giving the reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued.

- 47.3 Nothing contained in this document shall, in any way, release the Contractor from any Warranty or other obligations under the Contract.

48. Warranty

- 48.1 The Contractor shall warrant to the Purchaser that the Goods supplied by the Contractor, under the Contract are genuine, brand new, non-refurbished, un-altered in any way, of the most recent or current model, imported through proper channel, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 48.2 The Contractor shall further warrant that the Goods/Services supplied by the Contractor, under the Contract shall have no defect, arising from design, materials, workmanship or from any act or omission of the Contractor that may develop under normal use of the supplied Goods/Services.
- 48.3 The Contractor shall provide Manufacturer's warranty for minimum three (3) year after the issue of Taking-over Certificate in respect of Goods, the Services and the Works, or any portion thereof, as the case may be, which will include:
- 48.3.1 Free, on site repair / replacement of defective / damaged parts and labor, within 24 hours of intimation;
- 48.3.2 On site replacement of defective / damaged Goods, if repair of such Goods involves a duration exceeding 24 hours.
- 48.4 The Contractor shall clearly mention Terms and Conditions of service agreements for the Goods supplied after the expiry of initial warranty period. In case of International Warranties, the local authorized dealers shall mention their service and warranty setup, details of qualified engineers, etc.
- 48.5 The Warranty Period shall start from the date of installation / configuration / deployment of the Goods on site.
- 48.6 The Purchaser shall, by written notice served on the Contractor, indicate any claim(s) arising under the warranty.
- 48.7 The Contractor shall, within the prescribed time period, after receipt of such notice, repair or replace the defective / damaged Goods or parts thereof on site, without any cost to the Purchaser.
- 48.8 The end user licenses, end user warranties and end user contracting support services shall be in the name of Purchaser, for the Goods supplied, the Services provided and the Works done, under the Contract.

49. Ownership of Goods and Replaced Components

Goods to be supplied to the Purchaser, pursuant to the Contract, shall become the property of the Purchaser when the Goods are taken over by the Purchaser. Defective components to be replaced by the Contractor, pursuant to the Contract, shall become the property of the Contractor as and where it lies.

50. Defects Liability Expiry Certificate

- 50.1 The Contractor shall, after expiry of the warranty period, by written notice served on the Purchaser, apply for a Defects Liability Expiry Certificate.

- 50.2 The Purchaser shall, within fourteen days of receipt of such notice, either issue the Defects Liability Expiry Certificate to the Contractor, stating the date of expiry of the Warranty Period for all the Goods supplied and fulfillment of all obligations by the Contractor, under the Contract; or reject the application giving the reasons and specifying the work required to be done by the Contractor to enable the Defects Liability Expiry Certificate to be issued.

51. Payment

- 51.1 The Contractor shall provide all necessary supporting documents along with invoice.
- 51.2 The Contractor shall submit an Application for Payment, to the Purchaser. The Application for Payment shall: be accompanied by such invoices, receipts or other documentary evidence as the Purchaser may require; state the amount claimed; and set forth in detail, in the order of the Price Schedule, particulars of the Goods supplied, the Services provided and the Works done, up to the date of the Application for Payment and subsequent to the period covered by the last preceding Payment, if any.
- 51.3 The Purchaser shall get verified the details of Goods/equipment delivered against the invoice from the concerned Technical Team of the University of Peshawar and Payment shall be made on complete delivery of Goods/equipment after issuance of satisfactory certificate by concerned technical team, as per details given in relevant Letter of Acceptance.
- 51.4 The Purchaser shall pay the amount verified within thirty (30) days. Payment shall not be made in advance and against partial deliveries. The Purchaser shall make payment for the Goods supplied, the Services provided and the Works done, to the Contractor, as per Government policy, in Pak Rupees, through crossed cheque.
- 51.5 The Contractor shall cause the validity period of the performance guarantee to be extended for such period(s) as the contract performance may be extended. In case the Contractor fails to submit bank guarantee with extended validity period for such period(s) as the contract performance may be extended, an amount equal to 10% of total contract value shall be deducted from the payments to be made against the contract
- 51.6 All payments shall be subject to any and all taxes, duties and levies applicable under the laws of Pakistan, for the whole period starting from issuance of Acceptance Letter till termination of the signed contract in this regard.

52. Price

The Contractor shall not charge prices for the Goods supplied, the Services provided and for other obligations discharged, under the Contract, varying from the prices quoted by the Contractor in the Price Schedule.

53. Contract Amendment

- 53.1 The Purchaser may at any time, by written notice served to the Contractor, alter or amend the contract for any identified need/requirement in the light of prevailing rules and regulations.
- 53.2 The Contractor shall not execute any Change until and unless the Purchaser has allowed the said Change, by written order served on the Contractor.
- 53.3 The Change, mutually agreed upon, shall constitute part of the obligations under this Contract, and the provisions of the Contract shall apply to the said Change.
- 53.4 No variation in or modification in the Contract shall be made, except by written amendment signed by both the Purchaser and the Contractor.

54. Assignment / Subcontract

- 54.1 The Contractor shall not assign or sub-contract its obligations under the Contract, in whole or in part, except with the Purchaser's prior written consent.
- 54.2 The Contractor shall guarantee that any and all assignees / subcontractors of the Contractor shall, for performance of any part / whole of the work under the contract, comply fully with the terms and conditions of the Contract applicable to such part / whole of the work under the contract.

55. Extensions in time for performance of obligations under the Contract

If the Contractor encounters conditions impeding timely performance of any of the obligations, under the Contract, at any time, the Contractor shall, by written notice served on the Purchaser, promptly indicate the facts of the delay, its likely duration and its cause(s). As soon as practicable after receipt of such notice, the Purchaser shall evaluate the situation and may, at its exclusive discretion, without prejudice to any other remedy it may have, by written order served on the Contractor, extend the Contractor's time for performance of its obligations under the Contract.

56. Liquidated Damages

If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, deduct from the Contract Price, as liquidated damages, a sum of money @0.25% of the total Contract Price which is attributable to such part of the Goods / the Services / the Works, in consequence of the failure / delay, be put to the intended use, for every day between the scheduled delivery date(s), with any extension of time thereof granted by the Purchaser, and the actual delivery date(s). Provided that the amount so deducted shall not exceed, in the aggregate, 50% of the Contract Price.

57. Blacklisting

If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract or found to have engaged in corrupt or fraudulent practices in competing for the award of contract or during the execution of the contract, the Purchaser may without prejudice to any other right of action / remedy it may have, blacklist the Contractor, either indefinitely or for a stated period, for future tenders in public sector, as per provision of Public Procurement Rules, 2004.

58. Forfeiture of Performance Guarantee

- 58.1 The Performance Guarantee shall be forfeited by the Purchaser, on occurrence of any / all of the following conditions:
- 58.1.1 If the Contractor commits a default under the Contract;
 - 58.1.2 If the Contractor fails to fulfill any of the obligations under the Contract;
 - 58.1.3 If the Contractor violates any of the terms and conditions of the Contract.
- 58.2 The Contractor shall cause the validity period of the performance guarantee to be extended for such period(s) as the contract performance may be extended. In case the Contractor fails to submit bank guarantee with extended validity period for such period(s) as the contract performance may be extended, an amount equal to 10% of total contract value shall be deducted from the payments to

be made against the contract.

- 58.3 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, forfeit Performance Guarantee of the Contractor.
- 58.4 Failure to supply required items/services within the specified time period will invoke penalty as specified in this document. In addition to that, Performance Guarantee amount will be forfeited and the company will not be allowed to participate in future tenders as well.

59. Termination for Default

- 59.1 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, by written notice served on the Contractor, indicate the nature of the default(s) and terminate the Contract, in whole or in part, without any compensation to the Contractor. Provided that the termination of the Contract shall be resorted to only if the Contractor does not cure its failure / delay, within fifteen working days (or such longer period as the Purchaser may allow in writing), after receipt of such notice.
- 59.2 If the Purchaser terminates the Contract for default, in whole or in part, the Purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, Goods / Services / Works, similar to those undelivered, and the Contractor shall be liable to the Purchaser for any excess costs for such similar Goods / Services / Works. However, the Contractor shall continue performance of the Contract to the extent not terminated.

60. Termination for Insolvency

If the Contractor becomes bankrupt or otherwise insolvent, the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, by written notice served on the Contractor, indicate the nature of the insolvency and terminate the Contract, in whole or in part, without any compensation to the Contractor.

61. Termination for Convenience

- 61.1 The University of Peshawar may, at any time, by written notice sent to the Contractor, may terminate the Contract, in whole or in part, for its convenience. The notice of terminations shall specify that termination is for the University of Peshawar's convenience, the extent to which performance of Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 61.2 The Goods and the Services which are complete and ready for shipment within thirty (30) days after the Contractor's receipt of termination notice, shall be accepted by the Purchaser. For the remaining Goods, the Purchaser may elect:
 - 61.2.1 to have any portion thereof completed and delivered at the Contract terms and prices; and/or
 - 61.2.2 to cancel the remainder and pay to the Contractor an agreed amount for partially completed Goods, Services, Works and materials / parts previously procured by the Contractor for the purpose of the Contract.

62. Force Majeure

- 62.1 For the purpose of this contract "Force Majeure" means an event which is beyond the reasonable control of a party and which makes a party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances, and includes, but is not limited to, War, Riots, Storm, Flood or other industrial actions (except where such strikes, lockouts or other industrial are within the power of the party invoking Force Majeure), confiscation or any other action by Government agencies. In all disputes between the parties as to matters arising pursuant to this Contract, the dispute be referred for resolution by arbitration under the Pakistan Arbitration Act, 1940, as amended, by one or more arbitrators selected in accordance with said Law. The place for arbitration shall be Peshawar, Pakistan. The award shall be final and binding on the parties.
- 62.2 The Contractor shall not be liable for liquidated damages, forfeiture of its Performance Guarantee, blacklisting for future tenders, termination for default, if and to the extent his failure / delay in performance /discharge of obligations under the Contract is the result of an event of Force Majeure.
- 62.3 If a Force Majeure situation arises, The Contractor shall, by written notice served on The Purchaser, indicate such condition and the cause thereof. Unless otherwise directed by The Purchaser in writing, The Contractor shall continue to perform 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.
- 62.4 Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or Agents or Employees, nor (ii) any event which a diligent Party could reasonably have been expected to both (A) take into account at the time of the conclusion of this Contract and (B) avoid or overcome in the carrying out of its obligations here under.
- 62.5 Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

63. Dispute Resolution

- 63.1 The Purchaser and the Contractor shall make every effort to amicably resolve, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract.
- 63.2 If, after thirty working days, from the commencement of such informal negotiations, the Purchaser and the Contractor have been unable to amicably resolve a Contract dispute, either party may, require that the dispute be referred for resolution by arbitration under the Pakistan Arbitration Act, 1940, as amended, by one or more arbitrators selected in accordance with said Law. The place for arbitration shall be Peshawar, Pakistan. The award shall be final and binding on the parties.

64. Statutes and Regulations

- 64.1 The Contract shall be governed by and interpreted in accordance with the laws of Pakistan.
- 64.2 The Contractor shall, in all matters arising in the performance of the Contract, conform, in all respects, with the provisions of all Central, Provincial and Local Laws, Statutes, Regulations and By-Laws in force in Pakistan, and shall give all notices and pay all fees required to be given or paid and shall keep the Purchaser indemnified against all penalties and liability of any kind for breach of any of the same.
- 64.3 The Courts at Peshawar shall have the exclusive territorial jurisdiction in respect of any dispute or difference of any kind arising out of or in connection with the Contract.

65. Taxes and Duties

The Contractor shall be entirely responsible for all taxes, duties and other such levies imposed make inquiries on income tax / sales tax to the concerned authorities of Income Tax and Sales Tax Department, Government of Pakistan.

66. Contract Cost

The Contractor shall bear all costs / expenses associated with the preparation of the Contract and the Purchaser shall in no case be responsible / liable for those costs / expenses. The successful bidder shall provide legal stamp papers of relevant value according to Government rules and regulations for signing of the formal contract.

67. Authorized Representative

- 67.1 The Purchaser or the Contractor may, at their exclusive discretion, appoint their Authorized Representative and may, from time to time, delegate any / all of the duties / authority, vested in them, to their authorized Representative(s), including but not limited to, signing on their behalf to legally bind them, and may, at any time, revoke such delegation.
- 67.2 The Authorized Representative shall only carry out such duties and exercise such authority as may be delegated to him, by the Purchaser or the Contractor.
- 67.3 Any such delegation or revocation shall be in writing and shall not take effect until notified to the other parties to the Contract.
- 67.4 Any decision, instruction or approval given by the Authorized Representative, in accordance with such delegation, shall have the same effect as though it had been given by the Principal.
- 67.5 Notwithstanding Clause 68.2, any failure of the Authorized Representative to disapprove any Goods or Services or Works shall not prejudice the right of the Purchaser to disapprove such Goods or Services or Works and to give instructions for the rectification thereof.
- 67.6 If the Contractor questions any decision or instruction of the Authorized Representative of the Purchaser, the Contractor may refer the matter to the Purchaser who may confirm, reverse or vary such decision or instruction.

68. Waiver

Failure of either party to insist upon strict performance of the obligations of the other party, under the Contract, shall in no way be deemed or construed to affect in any way the right of that party to require such performance.

69. Training

- 69.1 The Contractor shall arrange and undertake a comprehensive training program for the staff nominated by the Purchaser to ensure that they shall acquire a good working knowledge of the operation, and general maintenance of the Goods to be supplied under the Contract.
- 69.2 In case of non-compliance with instructions, non-cooperation or other difficulties experienced by the Contractor with regard to any of these personnel, the Contractor shall apprise the Purchaser and proceed to implement suitable remedial measures after consultation with them.

70. Documentation

The Contractor shall furnish the user documentation, the operation manuals, and service manuals for each

appropriate unit of the supplied Goods and other information pertaining to the performance of the Goods, in hard copy format, in soft copy format and in the form of on-line help, before the Goods are taken over by the Purchaser.

71. Special Stipulations

SCHEDULE-A, SPECIAL STIPULATIONS	
For ease of Reference, certain special stipulations are as under:	
Bid Security (Earnest Money)	<p>The Contractor shall furnish the Bid Security (earnest Money) as under:</p> <ul style="list-style-type: none"> • 02% (Two Percent) of the Bid Price in the form of Demand Draft / Pay Order / Call Deposit Receipt, in the name of the Purchaser; denominated in Pak Rupees; • Have a minimum validity period of one hundred and twenty days (120) from the last date for submission of the Tender or until furnishing of the Performance Guarantee, whichever is later.
Performance Guarantee	<p>The successful Contractor shall furnish Performance Guarantee as under:</p> <ul style="list-style-type: none"> • within twenty-eight (28) days of the receipt of the Acceptance Letter from the Purchaser; • in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document; • for a sum equivalent to 10% of the contract value; • in subsequence to the issuance of Letter of Acceptance; denominated in Pak Rupees; • Have a minimum validity period until the date of expiry of warranty period, support period or termination of services, or fulfillment of all obligations under the contract, <u>whichever is later.</u>
Delivery Period	Within eight (08) weeks from the issuance of Acceptance Letter.
Liquidated damages for failure / delay in supply / installation / configuration of Goods / Services / Works by the Contractor	If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, deduct from the Contract Price, as liquidated damages, a sum of money @0.25% of the total Contract Price which is attributable to such part of the Goods / the Services / the Works, in consequence of the failure / delay, be put to the intended use, for every day between the scheduled delivery date(s), with any extension of time thereof granted by the Purchaser, and the actual delivery date(s). Provided that the amount so deducted shall not exceed, in the aggregate, 50% of the Contract Price.

72. ANNEXURE-A

TECHNICAL SPECIFICATIONS

S.No.	Item	Requirement Description (Minimum Specification)	Qty
1	SAN	<p><u>Useable Storage Space:</u> Provide a total of USEABLE storage space of 9TB as per following tiers with Scale Out Architecture: Tier 0: 2TB using 400GB SSDs Tier 1: 7TB using 600GB SAS Hard Drives with 15K or higher</p> <p><u>Storage Architecture:</u> The SAN should be presented as a single architecture that can grow on demand without any down time supporting multiple hardware generations</p> <p><u>Controllers</u></p> <ul style="list-style-type: none"> ▪ 2 Controllers / Engines Installed – Upgradeable up to 8 or Higher ▪ REDUNDANT Storage controller IN PAIRS WITH 32 GB combined cache or higher. (Grid / Scale-out Architecture) ▪ SAN should be scalable to 350 drives or higher ▪ RAID protection including RAID-5, RAID-6, RAID-10, or higher Support Hot-swappable disk drives and disk hot sparing per Array <p><u>Raid Levels</u> RAID 1, RAID 3, RAID 10, RAID 5, RAID 6, or higher etc.</p> <p><u>Raid Level Migration</u> SAN Solution should support the RAID level migration on the fly without any downtime</p> <p><u>RAID Protection</u> RAID protection including RAID-5, RAID-6, RAID-10, or higher Support Hot-swappable disk drives and disk hot sparing per Array</p> <p><u>Global / Per-Array Spare</u> Should support host spare functionality 2 drives per box/enclosure or as per manufacturer standard</p> <p><u>Storage Architecture</u> Storage architecture supporting any of the below industry-standard Interfaces i.e. iSCSI/FCOE (or a combination of all) at a minimum bandwidth as per the following: Storage Controllers with at least a total of 4 x 10 Gbps FRONT END ports per system or higher. Each additional array added must be able to proportionally increase processing power, no. of host connectivity ports, cache and bandwidth.</p>	01

2	SAN Switch	<p>Redundant Switches with 10 Gbps iSCSI/FCOE switch with 10Gbps to support connectivity of minimum 8 x Servers with multipath feature. Minimum 24 ports fully activated with SFPs in each switch. 24x cables SFP+ to SFP+ 10G</p> <p><u>Multiplatform Support</u> High-performance access to data across heterogeneous environments, including Microsoft Windows, Red Hat Enterprise Linux, UNIX, and VMware ESX Server environments</p> <p><u>Redundancy</u> Storage array components are to be fully redundant and hot swappable including SAN controllers, standard fan trays and power supplies.</p> <p><u>Support Life Cycle</u> The solution must be covered under at least 5 years (or higher) of storage support life cycle and should support multigenerational SAN to work together without any forklift upgrades</p> <p><u>Array Management Software</u> Array management to be done with a standard Web browser. Other management interface using a scriptable command-line interface over Secure Shell (SSH) and Telnet.</p> <p><u>Monitoring Software</u> Built-in monitoring and notifications provision through e-mail and SNMP.</p> <p><u>Mandatory Features</u> Syslog support, and comprehensive Simple Network Management Protocol (SNMP) monitoring and traps. Provides historical data capturing like Application based IOPS reporting. Trend analysis, Storage Growth Rate. I/O performance. Network link through put. Port through put, on individual volume. Enterprise SAN Management Tool capable of monitoring and managing multiple SAN's over LAN and WAN Ability to view the status of individual SAN components such as drives, power supplies, and controllers, as well as the overall system. Integration with Microsoft SCVMM via SMP/SMI-S for volume management All the licenses cost should be mentioned if offered separately. (Activation license / relevant license required for the total useable space. Relevant costs should be quoted by the vendor.) Should support Tiering across RAID type, Drive type automatically managing hot data on high performance drives. (vendors should quote Tier license)</p> <p><u>Array based replication</u> The SAN should support Array based replication Sync/Async. Array based replication software should be included that remotely replicates data from one SAN to another over a standard IP network over long distances to provide high levels of data protection and disaster tolerance.</p>	2
---	-------------------	---	---

	<p><u>Virtualized Volumes</u> Storage array must be able to support simultaneous volumes. Volumes must be in virtualized form allowing for online expansion of volume size.</p> <p><u>Application Aware Snapshot</u> Storage array snapshots must be application aware and capable of doing CONSISTENT snapshots for the following applications: MS-SQL, MS-Exchange , MS Windows File-Systems, MS-Hyper V, VMware (vendors should quote snap shot license)</p> <p><u>Data Load Balancing</u> The storage array should automatically perform data load balance and seamlessly spread data across multiple active storage arrays for maximum performance.</p> <p><u>Thin Provisioning of Volumes</u> SAN Solution should support Thin Provisioning of volumes. (Activation license / relevant license required for the total useable space. Relevant costs should be quoted by the vendor.) Should support Tiering across, Drive type automatically managing hot data on high performance drives.</p>	
Server	<p><u>Form Factor</u> 2 socket Rack Server (8x2.5" HDD)</p> <p><u>Processor</u> Dual Intel Xeon E5-2697v4 2.3GHz, 45M Cache, 36T,18C or Higher</p> <p><u>RAM</u> 128 GB 2400MHz RDIMM expandable upto 24 Dim (1.5TB max)</p> <p><u>Hard Drive</u> 2 x 600GB 2.515K 12Gbps SAS HDD or higher RAID-1 1GB NVcache</p> <p><u>CNA / NIC</u> 1 x DP 10Gb DA/SFP+ CAN + 1 x GbE QP2 x SFP+, Short Range, Optical Transceiver, LC Connector, 10Gb and 1Gb, 2xGE electrical interface or higher</p> <p><u>Virtualization Support</u> Must Support Virtualization</p> <p><u>PSU</u> Dual HotPlug 750W or more</p> <p><u>Warranty</u> 3Year Support: NBD Service (Parts+Labor) plus 7x24 Technical Support & Assistance</p> <p><u>Rails</u> Sliding Rails & Cable Management Arm</p> <p><u>Remote Management</u> Remote management included</p>	6

Virtualization Software	VMware vCenter Server 6.5 or latest Production Support (Per Instance) with three years support with HA, Replication, VM data protection	01
	VMware vSphere 1 Processor with Production support for three years	12
42U IT Rack	42U Branded Rack with All accessories 2 x 32A PDU - Rack PDU, Basic, 0 U, 32 A, 220-240V AC, (20)C13 & (4)C19 8 port KVM with 18.5" LCD Console	01
HW-LOAD BALANCER	Hardware LOAD BALANCER WITH -LTM license included L7 requests per second 425K or higher L4 connections per second 150K or higher L4 HTTP requests per second 1.25M or higher Maximum L4 concurrent connections 10M or higher Throughput 10Gbps L4/L7 or higher Hardware SSL should be 4500 transactions per second(TPS) (license included) Software compression should be 4Gbps or higher Software Architecture: 64-bit TMOS Processor: Intel 1 Quad core, Memory:16GB or higher, Hard disk:500GB or higher 2x10G SFP+ Short range transceiver modules and gigabit Ethernet port 8	01
UPS	10KVA - (Long Backup @ 1 hour at 60% load) Online UPS, With Battery bank of 20x12V-40AH	01
Tape Library	Tape Library, 2U, 24 Slot, 1 or 2 Drives Cleaning Tape Cartridge 12GB SAS HBA Card, 4 x LTO7 Tape Media, (5-Pack) 1 x LTO-7 SAS Tape Drive 2 x 2M, 6GB SAS Cable Tape label, LTO7,1-60 1 x Long Jumper Cord, 4m,12a 3 year warranties	01
Backup Software	Backup software should also be Included for the mentioned capacity (at least 2 TB) for online backup of applications - including agents for Oracle, exchange, Microsoft, SQL, Active directory, file services (capacity based license)	

A qualified Resident Engineer shall be deputed on-site at the University of Peshawar for One Year after successful installation and configuration of the System, who will be responsible to completely maintain/manage the system including Server & Storage Management, Virtualization, Backups, Security Administration and other routine tasks.

FORMS & OTHER REQUIRED DOCUMENTS

73. ANNEXURE-B

Technical Proposal Submission Form

[Location, Date]

To _____
(Name and address of Purchaser)

Dear Sir,

We, the undersigned, offer to provide the [insert title of assignment] in accordance with your Request for Proposal/Tender Document No. _____ dated [insert date] and our Proposal. We are hereby submitting our Proposal, which includes the Technical Proposal and the Financial Proposal sealed in two separate envelopes.

We undertake, if our Proposal is accepted, to provide supply of _____ related to the assignment.

We also confirm that the Government of Pakistan / Khyber Pakhtunkhwa has not declared us, or any Sub-Contractors for any part of the Contract, ineligible on charges of engaging in corrupt, fraudulent, collusive or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and we are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive.

We remain, Yours sincerely,

Authorized Signature (Original)
(In full and initials)

Name and Designation of Signatory

Name of Firm

Address

74. ANNEXURE-C

[Location, Date]

Financial Proposal Submission Form (Part of Financial Bid Envelope)

To (Name and address of Purchaser)

Dear Sir,

We, the undersigned, offer to provide the [Insert title of assignment] in accordance with your Request for Proposal No. _____ dated [insert date] and our Technical Proposal. Our attached Financial Proposal is for the sum of [insert amount in words and figures]. This amount is inclusive of all taxes.

Our Financial Proposal shall be binding upon us up to expiration of the validity period of the Proposal, i.e. before the date indicated in _____ of the Proposal Data Sheet.

We also declare that the Government of Pakistan / Khyber Pakhtunkhwa has not declared us or any Sub-Contractors for any part of the Contract, ineligible on charges of engaging in corrupt, fraudulent, collusive, or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract, and are aware of the relevant provisions of the Proposal Document.

We understand you are not bound to accept any Proposal you receive.

Signed

In the capacity of:

Duly authorized to sign the proposal on behalf of the Applicant.

Date:

75. ANNEXURE-D

Price Schedule/ Financial Cost Sheet

Sr. No.	Item Description	No of Units/QTY (1)	Unit Rate (Excl. Taxes) Rs. (2)	Total Taxes (3)	Unit Rate (Incl. all Taxes) Rs. (4=2+3)	Total Price (Incl. all Taxes) Rs (5=1x4)
1						
2						
Total Bid Price						X

Notes to Price Table:

- i. **X** will determine the total bid price for all items.
- ii. Prices must be quoted for all items.
- iii. The Purchaser reserves exclusive rights to increase / decrease the quantities of Goods/equipment/ hardware mentioned vide this tender document.
- iv. Hardware quoted must be legally imported in Pakistan after paying all taxes.

Total Cost (in words) Rs. _____

Signature of authorized person _____

Name: _____

In the capacity of _____

Date _____

(Company Seal)

Note: No cutting or overwriting is allowed. Any cutting or overwriting will lead to rejection of the financial bid.

76. ANNEXURE-E

Format for Covering Letter

To
(Name and address of Purchaser)

Subject: _____.

Dear Sir,

- a) Having examined the tender document and Appendixes we, the undersigned, in conformity with the said document, offer to provide the said items on terms of reference to be signed upon the award of contract for the sum indicated as per financial bid.
- b) We undertake, if our proposal is accepted, to provide the items/services comprise in the contract within time frame specified, starting from the date of receipt of notification of award from the University of Peshawar.
- c) We agree to abide by this proposal for the period of _____ days (as per requirement of the project) from the date of bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- d) We agree to execute a contract in the form to be communicated by the University of Peshawar, incorporating all agreements with such alterations or additions thereto as may be necessary to adapt such agreement to the circumstances of the standard.
- e) Unless and until a formal agreement is prepared and executed this proposal together with your written acceptance thereof shall constitute a binding contract agreement.
- f) We understand that you are not bound to accept a lowest or any bid you may receive, not to give any reason for rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Authorized Signatures with Official Seal

77. ANNEXURE-F

INSTRUCTION FOR PREPARATION OF POWER OF ATTORNEY

- a) To be executed by an authorized representative of the bidder.
- b) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants and when it is so required the same should be under common seal affixed in accordance with the required procedure.
- c) Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- d) In case the Application is signed by an authorized Director / Partner or Proprietor of the Applicant, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the Power of Attorney.

Format of Power-of-Attorney

POWER OF ATTORNEY

(On Stamp Paper of relevant value)

Know all men by these presents, we [name of the company and address of the registered office] do hereby appoint and authorize Mr. [full name and residential address] who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for [name of the project] in response to the tenders invited by the University of Peshawar including signing and submission of all documents and providing information/responses to University of Peshawar in all matters in connection with our Bid.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this _____ day of _____ 20__

For _____

(Signature)

(Name, Designation and Address)

Accepted

(Signature)

(Name, Title and Address of the Attorney) Date:

78. ANNEXURE-G

UNDERTAKING

It is certified that the information furnished here in and as per the document submitted is true and correct and nothing has been concealed or tampered with. We have gone through all the conditions of tender and are liable to any punitive action for furnishing false information / documents.

Dated this _____ day of _____ 20__

Signature

(Company Seal)

In the capacity of

Duly authorized to sign bids for and on behalf of:

79. ANNEXURE-H

(To be submitted on legal stamp paper)

AFFIDAVIT

(Integrity Pact)

We [Name of the bidder / supplier] being the first duly sworn on oath submit, that Mr. / Ms. _____ [if participating through agent / representative] is the agent / representative duly authorized by [Name of the bidder company] hereinafter called the Contractor to submit the attached bid to the University of Peshawar. Affiant further states that the said M/s [Bidding Firm/Company Name] has not paid, given or donate or agreed to pay, given or donate to any line officer or employee of the University of Peshawar any money or thing of value, either directly or indirectly, for special consideration in the letting of the contract, or for giving undue advantage to any of the bidder in the bidding and in the evaluation and selection of the bidder for contract or for refraining from properly and thoroughly maintaining projects implementations, reporting violation of the contract specification or other forms of non-compliance.

[The Seller/Supplier/Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with the University of Peshawar and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

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

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

Signature & Stamp

Subscribed and sworn to me this _____ day of _____ 20__

Notary Public

80. ANNEXURE-I

PERFORMANCE GUARANTEE

Issuing Authority:
Date of Issuance:
Date of Expiry:
Claim Lodgment Date: (Must be one month later than the expiry date)

WHEREAS [Name and Address of the Contractor] (hereinafter called "the Contractor") has agreed to supply the Goods and render the Services against Tender Name _____, Tender No. _____ (hereinafter called "the Contract") for the Contract Value of PKR (in figures _____) (in words _____).

AND WHEREAS it has been stipulated in the Tender Document that the successful Contractor shall furnish Performance Guarantee, within twenty-eight (28) days of the receipt of the Acceptance Letter (Letter of Acceptance) from the Purchaser, in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per this format, for a sum equivalent to Rs. _____ (10% of the contract value) valid from the date of issue until all obligations have been fulfilled in accordance with the Contract;

AND WHEREAS [Name of the Bank] having registered office at [Address of the Bank] (hereinafter called "the Guarantor") has agreed to give the Contractor a Guarantee;

THEREFORE the Guarantor hereby affirms to bind himself, his successors and his assigns to the University of Peshawar, for the sum of PKR (in figures _____) (in words _____) and undertakes to pay to the University of Peshawar, upon receipt of his written demand(s), any sum(s) as specified by him, not exceeding the above limit in aggregate, without cavil / argument and without the University of Peshawar having to substantiate / prove or to show grounds / reasons for such claim(s), on the occurrence of any / all of the following conditions:

1. If the Contractor commits a default under the Contract;
2. If the Contractor fails to fulfill any of the obligations under the Contract;
3. If the Contractor violates any of the provisions of the Contract.

Provided that the University of Peshawar shall specify the occurred condition(s) owing to which the said sum is due to him.

Provided further that any demand(s) / claim(s) from the University of Peshawar shall reach the Guarantor within thirty working days after the expiry of the Guarantee.

This guarantee shall remain valid up to _____ or until expiry of warranties / support period or all obligations have been fulfilled in accordance with the Contract, **whichever is later**.

Date this _____ day of 2018.

GUARANTOR

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____