



**QUAID-E-AWAM UNIVERSITY
OF ENGINEERING SCIENCE & TECHNOLOGY NAWABSHAH.**

Office of the Project Director-I
Phone (0244) 9370396 PABX (0244) 9370381-5 Ext: 2504

Tender Issued M/s. _____

Dated: _____

**TENDER DOCUMENT
FOR
SUPPLY OF LAB EQUIPMENT
FOR
COMPUTER SYSTEME
ENGINEERING DEPARTMENT**

@

**QUAID-E-AWAM UNIVERSITY OF
ENGINEERING SCICNCE & TECHNOLOGY
NAWABSHAH
SINDH- PAKISTAN**

OFFICE OF THE:

In-charge Project Director



QUAID-E-AWAM UNIVERSITY
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B.O.Q FOR PROCUREMENT OF REMAINING LAB EQUIPMENT FOR DEPARTMENT OF COMPUTER SYSTEM ENGINEERING AT QUEST, NAWABSHAH.
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No. QUEST/NH/PD-I/- 175

of 2020

Dated: 12.08.2020

NOTICE INVITING TENDER

All the interested Contractors / Firms / Parties / Suppliers, Manufacturers and Sole Distributors meeting eligibility criteria, viz. having registration with Federal Board of Revenue (FBR) for Income Tax, Sales Tax in case of procurement of goods, registration with the Sindh Revenue Board in case of procurement of Works and Services and registration with Pakistan Engineering Council as the case may be and not black listed in any procuring agency or authority, are invited to participate in full / item rate tender for the following works:

S#	Name of Work	Tender Fee	Completion Time	Earnest Money	Date of Purchase	Date of Submission of Bids	Purchase From
1.	Supply of Lab Equipment for Computer System Engineering Department @ QUEST, Nawabshah.	3,000	03 Months	5%	19-08-2020 to 03-09-2020	Up to 03-09-2020 at 11.00 am	Office of In-charge PD, QUEST

- Method of Procurement.** The University would adopt **Single Stage-Two Envelop Procedure** for selection of firm. The bidder should submit (02) two separate sealed envelopes. One envelope should contain the **Technical Proposal** and the other envelope should contain the **Financial Proposal**. Both envelopes should be clearly marked "**Technical Proposal**" and "**Financial Proposal**".
- Date of Issuance & Submission: 19.08.2020-to-03.09.2020** (11:00 am)
- Date of Opening:** On same day i.e. **03-09-2020** (12:00 noon)
- Place of issuance, submission, inquiries and opening will be at office of In-charge Project Director-I, Administration Block, QUEST-Nawabshah, Sindh.
- Un-responded tender** will be again issued / submitted / opened on following dates:-
2nd Attempt: (a) **Issue date** (b) **Submission & opening date**
(From **04.09.2020 to 21.09.2020, 11:00 am**) (21.09.2020, 12:00 noon)
- Terms & Conditions:**
 - The tender documents can be had from above mentioned office address or can be downloaded from SPPRA website i.e. <https://ppms.pprasingh.gov.pk/PPMS> and University website www.quest.edu.pk/tenders-notice on the payment noted above (non-refundable) on any working day except the day of opening of tender. The sealed tender on prescribed Proforma along with earnest money mentioned above of total bid in the form of Pay Order in the name of Director Finance QUEST, Nawabshah for the said work at S. No. 01, Cheque shall not be entertained for this purpose. The tender will be opened as mentioned above date, time and venue, in presence of the Contractors / Suppliers / representatives, who so ever will be present at that time before Tender Opening Committee.
 - The Bidders should have at least 05 years successful experience of same service of any university or large organization.
 - The Bidders should register with taxpaying agencies which would be verified by concerned agencies.
 - The Bidders should have at least Rs. 10,000,000.00 annual turnover which would be verified by bank statement.
 - Any Conditional or un-accompanied of the earnest money, tender will not be considered in the competition.
 - Bid validity period will be 90 days date start from the opening of financial bid.
 - Undertaking on stamp paper that firm is not involved in any litigations, Department rift, abandoned or unnecessary delay in completion of any work in the Government Departments.
 - Affidavit to the effect that all documents, particulars and information furnished is true and correct.
 - In case the applicant not fulfills SPPRA Rules-2010 (Amended 2019) or aforesaid conditions, the applications for issuance of bidding document will not be entertained.
 - In case of any disturbance or busy schedule of any committee member or any Govt. Holiday the tenders will be opened on next working day. The venue and time will remain same mentioned above for 1st and 2nd attempt.
 - The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended 2019) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under as per SPP Rules.

-Sd -
In-Charge Project Director
QUEST Nawabshah



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ARTICLES OF AGREEMENT

This Agreement made this _____ day of _____ 2020, by and between the Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh, hereinafter called the “**University**”, of the one part,

And _____ of
(Name and designation of the authorized person) _____, located at _____, hereinafter called the “**Contractor**” which expression shall include their successors, legal representatives of the second part.

Whereas the **University** requires Lab Equipment for Computer System Engineering Department at Nawabshah, and whereas the **Contractor** has agreed to supply, install, put into operation and demonstrate the working of the said Equipment valued at Rs.

_____ (Rupees) in the period of _____ months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the **Contractor**.

Now this Agreement witnesses as follows:

1. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the **Conditions of Contract** hereinafter referred to.
2. The following documents which, for the purpose of identification, have been signed by _____ on behalf of the **Contractor**, and by
(Name and designation of the authorized person) _____ on behalf of the **University**, all of
(name and designation of the authorized person) _____
Which shall be deemed to form and be read and construed as a part of this **Agreement** viz.:

- a) Articles of Agreement;
- b) Instructions to Tenderer;
- c) Conditions of Contract;
- d) Contractor’s Offer including the relevant correspondence prior to signing of this Agreement with all Annexure duly filled in;
- e) The specifications of the equipment; and
- f) Bill of Quantity with prices.



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3. In consideration of the payment to be made to the Contractor, the **Contractor** hereby **covenants** with the University to supply, deliver, install, put into operation and demonstrate the working of the Equipment in conformity in all respects of the Contract & the order form No. _____.

4. The **University** hereby **covenants to pay** the Contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the Equipment the contract price in the manner prescribed by the Contract and approved by the University.

In Witness Thereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

WITNESSES:

University _____

Contractor _____

Witness No. 1:

Witness No. 1:

Signature: _____

Signature: _____

Name: _____

Name: _____

Designation: _____

Designation: _____

Witness No. 2.

Witness No. 2:

Signature: _____

Signature: _____

Name: _____

Name: _____

Designation: _____

Designation: _____



Document for submission of **TECHNICAL PROPOSAL**
Information duly supported along with documentary evidence
for evaluation of eligibility criteria of firm to participate in bids
based on marks/score for evaluation.

Instructions to Bidders/Applicants (ITB) for Technical Proposal

1.0 Introduction

The basic aim of the submission of Technical Proposal is intended to eliminate, early in procurement proceedings, constructors that are not suitably qualified to perform the contract.

Supply of Lab Equipments for Computer System Engineering Department, QUEST Nawabshah

Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah has received funds from HEC Govt. of Pakistan for the Project/Scheme “**Strengthening of QUEST, Nawabshah**” with Scope and other details are as under:-

- **Scope:** Supply of Lab Equipments for Computer System Engineering Department, QUEST Nawabshah
- **Estimated Cost:** -----
- **Project Duration:** -----
- **Eligibility:** Valid Registration with relevant tax authorities of Pakistan in Following discipline is mandatory.

Applicants will be informed, in due course, of the result of the evaluation of applications. The financial proposals of only technically qualified firms/bidders will be opened.

Section I:

Clause 1

The supplier shall enclose the (one original and one copy) of the documents in a sealed envelope which shall:-

- a) bear the name and address of the Applicant;
- b) be delivered by hand or through courier/registered mail to address mentioned in advertisement; and
- c) be clearly marked "Application for submission of Technical Proposal for -----"



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Clause 2

- a) If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

Clause 3

- a) Document shall be prepared in the English language.

Clause 4

- a) Supplier must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in disqualification of the supplier.

Clause 5

Clarification and Modification of Documents (SPP Rule 23)

Supplier, who has obtained documents, may request for clarification of contents of the bidding document in writing, and respond to such queries shall be made in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid.

Clause 6 Addendum:

At any time prior to the deadline for submission of documents, the agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document and shall be communicated through university, SPPRA website and in writing to all who have obtained the Bidding document from office.

Clause 7 Deadline for submission of Documents (SPP Rule 22 & 24)

Documents shall be received by the agency at the address Project Director – I, at Admin Block QUEST Nawabshah & telephone 0244-9370396 Ext. 2504 not later than the Date. **03.09.2020 up to 11:00 a.m.** The procuring agency may, at its discretion, extend the deadline for the submission of documents by amending the Document, and in which case all rights and obligations of the Agency and the suppliers subject to the previous deadline shall thereafter be subject to the deadline as extended.

Clause 8 Evaluation (Rule 27.2)

Supplier's general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in the prescribed forms will be evaluated as per evaluation criteria given in the document. The Procuring Agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-contractor's experience and resources shall not be taken into account in determining Computer System the supplier compliance with the qualifying criteria. However, Joint Venture experience & resources shall be considered. Consortium or Association of firms will be considered for similar treatment as in case of Joint Venture.



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Section II:

Evaluation/Qualification Criteria (will be adopt any one of two)

1. Criteria based on Marks/Score.

Mandatory Provisions/Eligibility:

Suppliers must possess

- (i) valid registration certificate from income tax authority (NTN)
- (ii) Valid registration with General Sale Tax Department, Sindh Revenue Board and is not black listed. (*Attach all certificates and affidavit of not black listing*).

(A) Company Profile.

i. Period since Supplier is in Manufacturing/Supply business

10 Marks

Up to 01 years

01 Marks

Up to 03 years

03 Marks

Above 05 years

04 Marks

(Attach valid license for each year)

ii. Office facilities/Display center

In Sindh province

In any other province/Islamabad

01 Marks

Outside Country

01 Marks

(B) General Experience Record

40 Marks

i. Work/Projects of similar nature and complexity

30 Marks

Completed over last 05 years

(5 Marks for each project)

(Attach satisfactory completion certificates)

ii. Projects of similar nature and complexity in hand.

10 Marks

(5 marks for each same nature of project having cost **Rs: 05.00 Million** or above)

(Attach copies of work orders)

(C) Personnel Capabilities required for this project

20 Marks

Requirement of persons will vary from Project to Project.

Following factors may be used as a guideline.

Sr. No.	Description/Position with qualification & experience	Number	Remarks
1	Chief Technicians		6 Marks
2	Technicians		4 Marks
3	Supervisors		3 Marks
4	Helpers		3 Marks.
5	Sales officer/BDO		4 Marks.



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(D) Financial Soundness /Status

25 Marks

For Financial Status assessment, the Applicants may be required to submit Audited Financial Statements for the last five years or any other document which verifies their Financial Status.

Where necessary, the Procuring Agency will make enquiries with the supplier's bankers. Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- | | | |
|------|--|----------|
| i. | Less than 15% of Estimated Cost of this Work | 04 Marks |
| ii. | Less than 25% of Estimated Cost of this Work | 06 Marks |
| iii. | Less than 30% of Estimated Cost of this Work | 07 Marks |
| iv. | More than 35% of Estimated Cost of this Work | 08 Marks |

Qualifying Score is 60% (at least).

(2) Criteria based on Yes/No or Pass/Fail system.

Mandatory Provisions/Eligibility: Suppliers must possess

- (i) Valid registration certificate of PEC in the category C-4 or valid certification from concern agencies or department of Govt. of Pakistan.
- (ii) Valid registration certificate from income tax authority (NTN);
- (iii) Not black listed.

(Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information/documents:-

- a) Supplier has been in business of construction at least for 5years.

Experience and past performance

- (i) Have completed Two
- (ii) Similar assignments having cost of each at least 75% of the project in the last five (02) years.
- (iii) Have executed at least one (1) project in similar geographical condition in last five (05) years. (Attach performance certificates of completed projects).



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(E) Key Personnel Qualification & Experience.

(Requirement will vary from assignment to assignment).

- (i) **Maintenance Engineers.** Qualification: Bachelors, Number: ()
Experience: () similar assignments, () years experience.
- (ii) **Chief Technician:** Qualification: at least Diploma, Number: ()
Experience: () similar Assignment, () years experience
- (iii) **Supervisor:**
Diploma/Certificate Course in Drafting, () Experience: () years
- (iv) **Business Development Officer:**
MBA/BBA/Diploma/Certificate Course in Drafting, () Experience: ()
years

(Brief CVs of personnel be attached).

(F) Financial:

- (i) Documentary evidence of financial position, bank statement or audited accounts of the last Three (3) years.
- (ii) Average Annual turnover of the last three years should not less than thrice the cost of work.

(G) Any other information:

- (i) Details of disputes/litigation or arbitration with client.
- (ii) Any other document/information desired by procuring agency.



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Section III: Application Forms;

A-I Application Submission Form (*The covering letter is to be submitted by the interested firm/contract or partner responsible for joint venture, on appropriate company letterhead*)

Date: _____

To

*The In-Charge Project Director
QUEST, Nawabshah*

Subject: TECHNICAL PROPOSAL FOR SUPPLY OF LAB. EQUIPMENTS FOR COMPUTER SYSTEM ENGINEERING DEPARTMENT AT QUEST, NAWABSHAH.

I..... The undersigned, being duly authorized to represent and act on behalf of..... applies to be prequalified for the project cited above and enclose one (1) original together with one copy of Technical Proposal documents and declare the following:

- (a) I have examined and have no reservations to the Document, including Addenda No(s)....., issued in accordance with ITB Clause 6.
- (b) I understand that Procuring Agency may cancel the qualification process at any time and that procuring Agency is not bound either to accept any application that it may receive or to open financial proposals of technically disqualified bidders, without incurring any liability to the Applicants.
- (c) Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding;
- (d) Agency reserves the right to amend the scope and value of any contract under this project.

2. The Procuring Agency and its authorized representative(s) may contact the following person(s) for further information, if needed;

3. Person to be contacted: _____ Telephone: _____
The undersigned declares that the statements and the information provided are complete, true, and correct in every detail.

Signed:

Name:



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A-II

1. Company Profile

Date: -----

Contract: -----

All individual firms and each partner of a joint venture applying for submission of Technical Proposal are requested to complete the information in this form.

1.	Name of firm (legal): <i>(In case of Joint Venture (JV), legal name of each partner:</i>
2.	Nature of Business: <i>(Whether the firm is a Corporation, Partnership, Trust etc.)</i> <i>(In case of Consortium; whether Lead Consortium Member is a Corporation, Partnership, Trust etc.)</i>
3.	Head Office Address:
4.	Telephone Fax numbers: E-mail address:
5.	Place of Incorporation/Registration: Year of incorporation/registration:
6.	Applicant's authorized representative: Telephone Fax numbers: E-mail address:
7.	NATIONALITY OF OWNERS.
	Name: _____ Country: _____



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A-III

2. General Experience Record

(i) Details of Contracts of Similar Nature and Complexity completed over last 05 years

Sr. No.	1	2	3	4	5
Name of Contract:					
Country					
Name of Procuring Agency With Address, Tele, Fax					
Nature of works and special features relevant to the contract for which applied:					
Contact Role (Mention: Sole, Sub Contractor or Partner in a Joint Venture).					
Value of the total contract in Pak/Rs:					
Date of Award:					
Date of Completion					

(ii) Projects of similar nature and complexity in hand.

Supplier and each partner of the joint venture should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date
1.				
2.				
3.				



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(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr. No.	1	2	3	4	5
Name of Contract:					
Country & location					
Name of Procuring Agency With Address, Tele, Fax					
Nature of works and special features relevant to the contract for which applied:					
Contact Role (Mention: Sole, Sub Contractor or Partner in a Joint Venture).					
Value of the total contract in Pak/Rs:					
Date of Award:					
Date of Completion					



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A-IV

(A) Personnel Capabilities

Supplier should provide the names of suitably qualified personnel to meet the specified requirements stated in Section 3; (Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Sr. No.	Title of Position	Name
1.		
2.		
3.		
4.		
5.		

A-V

(B) Curriculum Vitae (CV) for Proposed International or National Experts

1. Proposed Position: _____

2. Name of Firm: _____

3. Name of Expert: _____

4. Current Residential Address: _____

Telephone No: _____ **Fax No:** _____

E-Mail Address: _____

5. Date of Birth: _____ **Citizenship:** _____

6. Qualification: _____



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Work Experience:

Summarize professional experience in reverse chronological order.

Indicate particular technical and managerial experience relevant to the project.

From	To	Company / Project / Position / Relevant technical and management experience

A-VI

Financial Resources

A. Banker's Information:

Sr. No.	Name & Address of Bank	Contact name and title with Telephone, Fax & E Mail



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- B. Financial Status:** *(Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year. for the previous three years). A copy of the audited balance sheets should be attached.*

Information from Balance Sheet/ Income Statement	Year 1:	Year 2:	Year 3:
1. Total Assets (TA)			
2. Total Liabilities (TL)			
3. Current Assets (CA)			
4. Current Liabilities (CL)			
5. Total Revenues (TR)			
6. Profits Before Taxes (PBT)			
7. Profits After Taxes (PAT)			

- C. Source of Financing:** Specific proposed sources of financing to meet the cash flow of the project, net of current commitments.

No.	Source of financing	Amount
1		
2		
3		

Following formula will be used for evaluation:

Min Cash Flow = (10xworking capital) - (30% of current commitment) + (credit limit).

- D. Annual turnover data (construction only)***

Year Amount and Currency Rupees in million

1
2
3
4



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- * Average turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Qualification Criteria. Normally not be less than $2 \times V/T$, the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's estimated cost (V), including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should not A-IX

Litigation History

Applicants, including each of the partners of a joint venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five years or currently under execute). A separate sheet should be used for each partner of joint venture.



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FINANCIAL PROPOSAL

INSTRUCTIONS TO TENDERER FOR FINANCIAL PROPOSAL

The Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh, intends to purchase Lab Equipment for Computer System Engineering department under the approved schemes titled “Strengthening of QUEST, Nawabshah”. This tender is issued for the supply, installation, putting into operation and demonstration of the working of the Equipment as per the Schedule of requirements given in this Tender Document.

PREPARATION OF TENDER

1. **Language of Tender**

The **Tender** along with any accompanying literature shall be prepared in **English** language only:

2. **Submission of Tender**

- a) The **Tender** shall be enclosed in a double cover. The outer cover shall bear the address of the In-Charge Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh, without any indication that it encloses a tender. The inner cover shall be marked with the title of the tender, number of invitation to the Tender and the date of opening of the Tender, and **must be sealed**.
- b) The **Form for Tender**, (Annexure-A) **Tender Particulars (Annexure-B)** and **Forms of Schedule to Tender** (Annexure “C1”&”C2”) enclosed herewith, shall be submitted in duplicate. The authorized person signing the tender documents must state his full name and authorized position designation underneath his signature.
- c) The **erasing and/or alterations**, if any, in the Tender shall be authenticated by the authorized person by his full signature.
- d) The **Tender** shall be accompanied with the **original quotations** from the manufacturers, in case the Tender is submitted through their authorized agents or distributors, and shall be supported by credentials establishing the experience and standing of the manufacturers and / or their authorized agents or distributors.
- e) A **Corporate Certificate / Competency Certificate of the Manufacturer** regarding installation, testing, commissioning & training of equipment be attached
- f) **Ambiguous and incorrect answers** and/or incorrect filling of Tender Documents will render the tender liable to rejection.
- g) **Quotations** through cable, telegraph, telex, fax, or e-mail will not be considered.



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- h) The tenders shall not rely on any **interpretation or correction** given by any person except the written **addenda and/or corrigenda** to documents issued by the In-Charge Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Nawabshah, Sindh.

3. Bid Bond and Contract Performance Bond

- a) The tenderer shall enclose with his/her tender a **Bid Bond** on requisite stamp paper, as per **Annexure “D”** to this Tender Document, issued by a scheduled/commercial bank doing business in Pakistan, for an amount equivalent to **5% of the total cost** of the Lab Equipment offered as per the Tender submitted by him/her, whichever is more. The Bid Bond shall be in favor of the Vice Chancellor, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Nawabshah, including his successor in office and assignees acting through the In-Charge Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah. The bond so furnished shall remain **valid for a period 30 days beyond the period of validity of the Tender** or till it is revalidated/extended for a period mutually agreed upon by the tenderer and the In-Charge Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah.
- b) As soon as an award is made, the provisions in paragraphs **c), d) and e)**, hereunder, shall **operate**.
- c) If the Tender is **rejected**, the Bid Bond will be returned to the tenderer as soon as possible after rejection.
- d) The **successful bidder** shall have to give a **Contract Performance Bond**, as per **Annexure “E”** to this Tender Document, to the extent of **5% of the total value** of the contract on the same conditions as the Bid Bond. The Performance Bond shall be retained by the In-Charge Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, till the completion of the guarantee period as per Clause 23 of the Conditions of Contract.

4. Quality of Stores from supplying.

- a) The Equipment and other relevant materials (hereinafter called “**Stores**”) quoted and supplied against this “Invitation to Tender” shall be strictly in accordance with the **Specifications** attached with this Tender Document. The Stores shall be the product of an established manufacturer shall conform to internationally accepted commercial standards, and shall be a model that has been successfully operated over a reasonable period of time in educational institutions R&D organizations, or relevant industry.



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- b) In Tenderers must also warrant the use of best material in the making of the stores. by the find that the Specifications for any items of the Stores are lacking in details, they may give their own proposals with detailed specifications, preferably three alternate proposals if possible, for such items in Annexure “F”.

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- c) The Stores offered by the tenders must be of a quality suitable for the purposes and operations for which they are required, and must be capable of rendering the required performance and services at site in the local conditions of extreme tropical climate, air, dust, water, power and fuel at Nawabshah.
- d) The Hardware for operation of the Stores equipment will be available at University by supplier.
- e) The Stores offered shall be complete with their standard accessories and must be accompanied by their normal instructions book/manual.
- f) Wherever possible or feasible, each item of Stores offered must have its own protection devices, e.g, overload protection by circuit breakers or fuses, or voltage stabilizer for electric equipment.
- g) Unless stipulated otherwise in the specifications for any item, the Stores conforming to relevant approved standard codes will be acceptable.
- h) The successful bidders may be asked to supply list of spares for 5 years satisfactory operation of any item of the Stores, prior to award of the contract.

5. Literature.

The tenderers must furnish with their bids catalogues giving full technical details of the Stores to enable the University to check their offers technically against the prescribed specifications failing which the offers will be liable to rejection.

6. Principals Name, Certificate and Invoice.

- a) The tenderers are required to mention in their quotations/offers the name and address of their Principals along with a certificate authorizing them (tenderer) to quote on their (Principals) behalf as under:

This is to certify that M/s _____ located at _____ have obtained quotations from us against tender inquiry No. _____ dated _____ from Quaid-e-Awam University of Engineering Science and Technology, Nawabshah, due for opening on _____ and have agreed to make available the Equipment on the quotations and terms and conditions of the tender”.

The above condition does not apply to the manufacturers bidding directly.

- b) The tenderer must also furnish along with their offers their Principals original Proforma Invoice failing which their offers will be rejected.

7. Alternative Proposal.

If any tenderer elects to submit alternative proposal(s) complete information on the alternative items including all data relating to technical specifications in Vol. I, II & III shall be given as per Annexure “F”.



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a) **CATEGORY-‘A’**

8. Stores Manufactured/Available in Pakistan without Involving Import

The prices quoted must be total per unit in Pakistani Rupees as shown in **Annexure “C-1”** and shall include:

3. All charges for packing, marking, handling, insurance, inspection, guarantees, Freight/ transportation, agent’s commission; and all duties, taxes, levies, octrois etc; and.
4. The cost of installation, putting into operation and demonstration of the working of the Equipment in the laboratories of Computer System Engineering Department, QUEST, Nawabshah.

PART-1 10. Payment in Pakistani Rupees

- (i) The agent’s/supplier’s commission in Pakistani Rupees.
- (ii) The insurance will be arranged by the Contractor for the Lab Equipment of University with Pakistan Insurance Corporation. The University will assist the Contractor in obtaining the insurance at concessional rates, if any, as allowed by the Government. (if required by university)
- (iii) The item cost includes cost of installation, putting into operation and demonstration of the working of the equipment in the Laboratories of the University in Pakistani Rupees.
- (b) In addition to what is stated in Para a) above, the prices given in Annexure C1 & C2 shall also include for the Stores in Categories-A.
 - (i) Supply, detailing, manufacture, factory testing, export preparation and all costs incidental to shipping/transport up to the stage of installation in the Computer System Engineering Department of the University.
 - (iii) Responsibility for any loss and/or damage at any stage from tenderer to installation in the Computer System Engineering Department of the University.
 - (iv) The cost of export taxes, fees and charges levied and outgoing incurred on exporting goods in the country of origin.
 - (v) The expenses on account of the certificate of origin, invoices or any other Documents issued in the country or origin (if required by university).



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10. Validity of Prices/Tender

- a) The prices quoted shall be valid for a period of at least 90 days from the date of opening of the tender.
- b) Until the final Contract is executed, the successful bidder shall be bound by the terms and conditions of this Tender Document.

11. Acceptance of the Terms

- a) The submission of the tender against this tender inquiry by the tenderer means that the tenderer has read and accepted the terms and conditions relating to all the tender documents and annexure, and that he/she have thoroughly examined the specifications and particulars in the tender inquiry. Further the tender shall be deemed to be fully aware of the nature of the Stores and the purpose for which they are required and shall be bound to accept the Contract if placed with him/her on the basis of the prices and of the delivery schedule as indicated in Clause 12 hereof within the validity of his/her Tender.
- b) If the Tender is awarded in favour of Proprietor / Principals who has no authorized Agent or distributor in Pakistan, he/she shall have to appoint a distributor or nominee for the purpose of successful completion of the contract and to provide after-sales service. (If applicable)

12. Delivery Period.

i. Shipment/Delivery of Items.

- a) The shipment of the items of Stores which are to be delivered shall be started as early as possible, the shipment schedule shall be submitted to the In-Charge Project Director, QUEST University, and shall be negotiable and subject to approval by the University, no cost has been separately paid for shipment.
- b) The tenderer must indicate in his/her offer the port from where the Stores will be shipped. (if required/applicable)

ii. Delivery Period.

- a) The entire items of BOQ must be delivered, installed and put into operation in the Computer System Engineering Department of the University as early as possible after receiving the letter of award of the Contract not exceed 21 Days.

iii. Delay in the Delivery of the Stores.

- a) For delayed beyond the delivery period, as specified in the Contract, or as approved by the University as stated in Clause 12 ii b) above, there shall be levied liquidated damages as specified in Clause 22 of the Conditions of Contract given in this Tender Document.
- b) The liquidated damages may be waived fully or partially by the In-Charge Project Director, with the approval of the Vice Chancellor of the University, if there are reasonable grounds for such a delay.



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13. Negotiations.

Under no circumstances will the negotiations take place with any tenderer with regard to Specifications and Prices quoted and read out at the public opening of the tenders and with regard to the substance of the offer. The tenderers cannot revise their prices after the public opening of the tenders.

14. Rights of the University

- a) The University reserves the right to reject any or all bids without any reason whatsoever, or not waive minor irregularities or errors in any offer. If it appears to the University that such irregularities or errors must be corrected in the offer in which they occur, the same will be corrected prior to issue of the letter of intent which may be awarded thereupon.
- b) The University is neither bound to accept the lowest or any other offer nor is it bound to assign reason for rejection of any offer.
- c) The University reserves the right to award the contract to one bidder or divide it among several bidders.
- d) The University reserves the right to increase or decrease the quantity of the items at its discretion without assigning any reason whatsoever.
- e) The University reserves the right to cancel the offer of the tenderer whose bid has been found / evaluated to be the lowest if it is revealed to the University that the tenderer does not have the capability or financial resources or facilities to carry out the Contract in accordance with the terms and conditions of this Tender Document.

15. Evaluation of Bids.

- a) In comparing bids the University will consider, besides the prices quoted, such other factors as compliance with specifications, relative quality of Stores, past experience of the tenderer, and after-sales services facilities available in Pakistan and the tenderer's capacity to perform.
- b) The evaluation criteria specifically mentioned in the specifications and nature of tender i.e single stage two envelope will also be considered for evaluation of the bids.
- c) For the purpose of evaluation, the prices to be compared shall be the total prices inclusive of all duties, taxes, freight charges etc. including the charges/cost packing, making, handling, insurance, inspection guarantees, clearance, freight/transportation up to the University's Computer System Engineering Department duties, taxes, levies, octrois etc.



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16. Errors in the Bids.

- (i) Any arithmetic errors found during evaluation of bids will be rectified on the following basis:
 - a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the University or TOC.
 - b) If there is a discrepancy between the words and figures, the amount in figures shall prevail.
 - c) If there is any discrepancy between the total tender price entered in the Articles of Agreement and the total shown in the Schedule of Prices, the amount stated in the Articles of Agreement shall be corrected by the University in accordance with the corrected schedule of Prices.
- (ii) If the tenderer does not accept the corrected amount of tender, his/her Tender will be rejected and the Bid Bond submitted with the tender shall be forfeited.



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CONDITIONS OF CONTRACT

1. Scope of the Contract

- a) The **Scope of the Contract** shall be the supply, delivery, installation, putting into operation and demonstration of the working of the Stores in the Computer System Engineering Department of the University at Nawabshah, Sindh, in accordance with the technical Specifications and Bill of Quantities enclosed in this Tender Document.
- b) The Contractor shall within a period of one month of the execution of the agreement furnish to the University a **detailed program** for supply and delivery of various items of the Stores for necessary approval by the University.

2. Definition of Terms

In writing these Conditions of Contract, Specifications and Bill of Quantities, the following words shall have the meanings hereby indicated, unless there is something in the subject matter or Contract inconsistent with such constructions:

- i. **The University** shall mean the Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh.
- ii. **The Vice Chancellor** shall mean the Vice Chancellor of Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh, including his successor in office and assignees, empowered to act in all matters pertaining to the University either directly or through the In-Charge Project Director,, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah.
- iii. **The Contractor or Supplier** shall mean the Tenderer (Bidder) whose Bid has been accepted by the University and shall include the Bidder's executors, administrators, successors and permitted assignees.
- iv. **The Stores** shall mean and include all the Equipment, literature, materials and articles to be provided by the Contractor under the Contract.
- v. **The Contract** shall mean the agreement signed by the Contractor for the supply, delivery, installation, putting into operation and demonstration for the working of the Stores, as stated under the Scope of the Contract above.
- vi. **The Contract Price** shall mean the sum mentioned in or calculated in accordance with the provisions of the Contract, which is to be paid to the Contractor for satisfactory execution of the Contract in accordance with these Conditions of Contract.



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- vii. **The Specifications** shall mean the specifications annexed to or issued, herewith, and shall include the schedule and drawings attached hereto as well as the samples and patterns if any.
- viii. **Month** shall mean the Calendar month.
- ix. **Writing** shall include any manuscript, type-written, printed or other statement reproduced in any visible form and whether under seal or under hand.

3. Contract Documents.

- a) The term **Contract Document** shall mean the following documents which shall be deemed to form an integral part of the Contract:
 - i. Articles of Agreement;
 - ii. Instructions to Tenderer (both Technical & Financial Proposal);
 - iii. Conditions of Contract;
 - iv. Contractor's Proposal / Offer including the relevant correspondences prior to signing of the agreement with all Annexure duly filled in;
 - v. The Specifications of the Stores; and
 - vi. Bill of Quantities with prices.
- b) In the event of any **conflict** between the above mentioned documents, the present Articles of Agreement and Conditions of Contract shall prevail.

4. Signing of the Contract Agreement

Within 30 days of the issue of the letter of intent, the successful bidder (bidders) will be required to **sign an agreement** with the University for the supply of such quantity, in whole or in part, of the tendered Stores as will be communicated to him / her (them) in the letter of intent.

5. Packing, Marking and Handling

- a) All the Stores, whether imported or locally manufactured / available, shall be delivered to the University at Nawabshah in **safe and secure condition** at the risk and cost of the Contractor.
- b) The packing, marking and handling shall be so arranged by the Contractor as to **prevent any loss of or damage** to the Stores.



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- c) In case any of the items of the Stores are to be imported by the Contractor, the **import** shall be **arranged by the Contractor** himself / herself with such packing and marking and through such means as deemed fit by him / her for safe and secure delivery at Nawabshah. The packing of the equipment shall be the usual export packing to ensure safe journey by air, sea, rail and road, as the case may be, of the Stores to destination. Each packing shall be clearly marked in English with the following:

- i. Port of Destination: **KARACHI.**
ii. Name of the Ship: _____
iii. Name of the Consignee: In-charge Project Director, Quaid-e-Awam University of Engineering Science & Technology Nawabshah, Sindh, Pakistan

- i. Name of the Contractor: **CONTRACTOR'S NAME & ADDRESS**
ii. Case Number & Contents: _____
iii. Net Weight & Dimensions: (length, Breadth & Height)
iv. Gross Weight: (Kg.)
v. Number & Date of Contract: _____
vi. Marking: **QUEST** in a 6 in. x 4 in. rectangle

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6. Transportation and Shipment

a. For Stores to be imported (If required)

- i. All those items of Stores which are to be imported by the Contractor shall be **shipped** by whatever means the Contractor deems fit **at his / her risk and cost**. The Contractor must keep the University informed of the shipping arrangements, schedule of shipping, arrival at the port, clearance from the port, and transportation from the port to the University.
- ii. **All costs** of loading of the Stores from the wharves at port of shipment and also the cost of ship wharf age / berthing, demurrage charges, stevedoring, handling charges and other port and river dues in respect of shipment companies' vessels at the port of shipment and all other expenditure up to the stage of placing the Stores at rest on board the ship and the freight charges shall be **borne by the Contractor**.
- iii. Similarly all costs of unloading the Stores at the wharves, wharf age / berthing, demurrage, stevedoring, handling charges and other port dues at the port of arrival in Pakistan and transportation from the port up to the stage of placing the Stores position in the Computer System Engineering Department of the University shall be borne by the **Contractor**. In order to facilitate the clearance of the Stores at the port of arrival, a clearing agent will be engaged by the University, in consultation with the Contractor, who will get the Stores cleared with the assistance of the University and the Contractor, and the clearing agent's charges shall be **borne by the Contractor**.



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- iv. All things being equal, **Pakistan flag ships** should be used, as far as possible, for shipment of the Stores. If no such ship is available, such other ships may be used consistent with the execution of this Contract with economy and efficiency.
- v. The Stores must be shipped **under deck (if applicable)**
- vi. The Contractor shall send by air mail/courier service or personally deliver 4 (four) sets of non-negotiable shipping documents direct to the In-Charge Project Director,, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh, so as to reach him at least 8 (eight) days before arrival of the ship at the port in Pakistan. (if required/applicable)

b. For Stores Manufactured / Available in Pakistan

- i. All those items of the Stores which are to be manufactured in Pakistan, or are to be supplied from the locally available stocks (whether imported or manufactured in Pakistan), may be transported from the place of manufacture or availability to Nawabshah by **any mode of transportation** as deemed convenient and suitable by the Contractor at his / her risk and cost.
- ii. **All costs** of handling, loading, transportation, unloading and placing the Stores in position in the Computer System Engineering Department of the University shall be **borne by the Contractor**.

7. Pre-shipment and After-fabrication Inspection

- a) The **pre-shipment inspection** and / or the inspection of the Stores Principals/Proprietor at the premises, if desired by the Contractor, shall be arranged by the Contractor at his / her own cost. The responsibility for the quality, quantity, correctness and adherence to the Specifications etc. of the Stores shall lie solely and squarely on the Contractor.
- b) The University may, at its discretion, waive pre-shipment inspection and hence issue the waiver in writing so that the Stores could be shipped under manufacturer's test certificate. This waiver shall be deemed as authorization to ship for the purpose of negotiating the letter of credit under Clause 13(b) ii.
- c) The pre-shipment inspection and/or the waiver thereof shall in no any above the Contractor of any of his obligations under this Contract.



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8. Insurance

The **Contractor shall arrange** the insurance for the Stores in whatever way he / she deems fit at his / her risk and cost. The prices quoted in the offer of the Contractor shall include the cost of insurance. The Contractor shall have to inform the University of the Insurance Arrangements made by him / her for the Stores. (if desired by university)

9. On-arrival Inspection

There shall be inspection of the Stores by the representatives of the University after arrival in the Computer System Engineering Department of the University in presence of the Contractor or his authorized representatives and the representatives of the insurance company. The **inspection report**, which, inter-alia, should indicate the condition in which each item of the Stores has been received, shall be signed by the above representatives. The Contractor shall coordinate with the In-Charge Project Director, Quaid-e-Awam University, and the insurance company for arranging the inspection at such date and time as is convenient to the above representatives.

10. Taking Over

Upon receipt of the equipment in the Computer System Engineering Department of the University and after inspection, as stated in Clause 9 above, the University will issue a **taking-over certificate** in respect of those items of Stores which are received in acceptable condition. The taking-over of the damaged items will be with-held until the same are repaired / replaced and are re-inspected and found in acceptable condition.

11. Installation and Demonstration of Stores

a). Installation

i) After inspection and taking over of the Stores, as stated in Clauses **9** and **10** above, the **Contractor shall install** those items of Stores which are to be permanently positioned in place in the laboratories of the University. For this purpose, the Contractor shall co-ordinate with the In-Charge Project Director, for making arrangements for the Hardware needed for the installation.

b). Demonstration

i) After installation of the Stores, as stated in Clause **11 a)** above, the complete **working of each item** of Stores for the purpose of performing the intended Computer System Engineering Department experiments, testing of specimens and recording of the test results etc., shall be demonstrated fully to the designated staff of the University by the Contractor or his technical personnel.

ii) The entire **cost**, including the T.A. / D.A. of the personnel involved in the demonstration, shall be **borne by the Contractor**.



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12. Completion Certificate

After completion of the installation and demonstration, as stated in Clause **11** above, a certificate is to be obtained by the Contractor from the concerned **Head of the Department / Director of the Institute** stating that the Stores (item-wise) have been satisfactorily installed and demonstrated by the Contractor.

13. Terms of Payment

The Contractor shall be paid for Stores in the following manner:

- a) CATEGORY A: **Stores Manufactured/Available in Pakistan without Involving import.**
- i. For all those items of Stores for which the completion certificate has been issued by the University, as stated in Clause **12** above, the University will pay to the Contractor total price of the items quoted by the Contractor.
- ii. The payment for those items of Stores for which the completion certificate has not been issued by the University, as stated in Clause **12** above, will be with-held and released only after the damaged items are replaced / repaired, re-inspected and found in satisfactory condition with consequent issuance of the completion certificate. The payment will be made in the same manner as stated in Clause **13 a) i** above
- iii. One hundred percent (**100%**) of the letter of credit amount will be paid against presentation of the shipping documents to the bank through the above letter of credit. The required shipping documents include:
- Clean on board bill of lading;
 - Contractor's detailed invoice showing description of the Stores, specifications, quantity, unit price and total price;
 - Detailed packing list;
 - Certificate of origin of the Stores' and
 - Certificate of pre-shipment/after-fabrication inspection or authorization to ship the Stores as per Clause-7.

This 13.a iii) shall be applicable if any item delivered through shipment outside Pakistan otherwise this clause considered deleted.



PART-2 Payment in Pakistani Rupees

The Rupee component of the price of the Stores, will be paid to the Contractor in the following manner:

- i. For all those items of Stores for which the taking over certificate has been issued by the University, as stated in Clause **10** above, the University will pay to the Contractor seventy percent (70%) of the total price of the items quoted by the Contractor, the remaining thirty percent (30%) will be paid after presentation of the completion certificate, as stated in Clause 12 above.
- ii. The payment for those items of Stores for which the completion certificate has not been issued by the University, as stated in Clause **10** above, will be withheld and released only after the damaged items are replaced/repared, re-inspected and found in satisfactory condition with consequent issuance of the completion certificate. The payment will be made in the same manner as stated in Clause **13 a) i** above.

14. Warranty / Guaranty

- a) The Contractor shall **warranty** that the Stores shall be fit for the purposes and operation mentioned in the relevant clauses of the “Instructions to the Tenderers” and “Conditions of Contract”, notwithstanding the fact that the entire Stores, or any item or part of the Stores, bear or are found to bear a patent or trade mark.
- c) The Contractor shall guarantee supply of good quality Stores in accordance with the Specifications and as stated in Clauses 4 and 5 of the “Instructions to the Tenderers”. Further, the Stores shall be brand new and absolutely free from all defects in material, quality and workmanship. In case of defects, the defective Stores, or the defective parts / components of the Stores thereof, shall be replaced by the Contractor free of cost to the University within reasonable time.

15. Breach of Contract

In case of breach of warranty /guarantee or Contract, the **damages** suffered by the University shall be **recovered from the Contractor** out of any payment due to the Contractor and / or in accordance with the terms and conditions of the Contract Performance Bond given at Annexure “E” enclosed with this Tender Document, without notice to the Contractor.

16. Contractor’s Default Liability

- a) The University may upon written notice of default to the Contractor **terminate the Contract** in the circumstances detailed hereunder:
 - i. If in the judgment of the University, the Contractor fails to make delivery of the Stores within the time specified in the Contract Agreement or within the period for which extension has been granted by the University; and
 - ii. If, in the judgment of the University, the Contractor fails to comply with any of the other provisions of the Contract.



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- b) In the event the University terminates the Contract, in whole or in part, as provided in Clause **16 a)** above, the University reserves the right to **purchase**, on such terms and conditions as it may deem appropriate, Stores similar to the one terminated, and the Contractor will be liable to the University for any additional costs for such **similar Stores**, and / or for liquidated damages for delay, as defined in Clause **22** of the Conditions of Contract until such reasonable time as may be required for the final supply of the Stores.
- c) If the Contract is terminated, as provided in Clause **16 a)** above, the University, in addition to any other rights provided in this Clause, may require the Contractor to **transfer title** and deliver to the University under any of the following cases in the manner and as directed by the University:
 - i) Any **completed Stores**; and
 - ii) Such **partially completed Stores**, drawings, information and contract right (hereinafter called manufacturing material) as the Contractor has specifically produced or acquired for the performance of such parts of the Contract as has been terminated.
- d) The University will **pay to the Contractor** the Contract Price for the completed Stores delivered to and accepted by the University and also for the manufacturing materials delivered and accepted.
- e) In the event the University does not terminate the Contract, as provided in Clause **16 a)** above, the Contractor shall continue with the performance of his / her Contract, in which case the Contractor shall be liable to the University for **Liquidated Damages for delay** as set out in Clause 22 until the Stores are accepted.

17. Bankruptcy

If the **Contractor** shall become **bankrupt** or have a receiving order made against him / her or compound with his / her creditors, or being a corporation commence to be wound up, not being a voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a receiver for the benefit of its creditors or any of them, **the University shall** be at liberty to:

- a) **terminate the Contract** forthwith by a notice in writing to the Contractor or to the liquidator or receiver or to any person in whom the Contract may become vested, and to act in the manner provided in Clause 16 above as though the last mentioned notice has been the notice referred in such Clause and the Stores have been taken out of the Contractor's hand; and / or
- b) give such liquidator, receiver, or other person the **option of carrying out the Contract** subject to his / her providing a guarantee for the due and faithful performance of the Contract upto an amount to be determined by the University.



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18. Termination of Contract

- a) If, for any cause as set forth in Clause **19** hereafter, the Contractor finds it impracticable to continue operation or, if owing to force majeure or to any cause beyond its control, the University finds it impossible to continue operation, then **prompt notification** in writing shall be given by the party affected to the other.
- b) If the delay or difficulties so caused cannot be expected to cease or become avoidable, or if operation cannot be resumed within six months, then either party shall have the right to terminate the Contract by giving ten **(10) days written notice** to the other.
- c) In the event of termination of the Contract under this Clause, **payment** will be made to the Contractor as follows:
 - i) The Contractor shall be paid for all the Stores for which the completion certificate has been issued, as stated in Clause 12, and for all the reimbursable expenses due and unpaid.
 - ii) The Contractor shall also be paid reasonably for any work done during the said six months period as well as for settlement of any financial commitment made in connection with proper performance of the Contract and which are not reasonably defrayed by payments under i) above.
 - iii) On termination of the contract for any cause, the Contractor shall see to the orderly suspension and termination of operations with due consideration to the interests of the University with respect to completion, safeguarding or storing of the Stores produced for the performance of the Contract and the salvage and resale thereof

19. Force Majeure.

The Contractor shall not be liable for any additional cost or for liquidated damages for delay or any failure to perform the Contract arising out of force majeure or cause beyond his / her control including acts of God, or of the public enemy, or of the Government, fires, floods, epidemic quarantine restrictions, strikes, freight embargoes and default of subcontractors due to any such cause (unless the University shall determine that the Stores to be furnished by the Contractor might reasonably have been obtained from other sources in sufficient time to allow the Contractor to meet the required time schedule), provided that the Contractor shall within ten (10) days from the beginning of such delay notify the University in writing of the **causes of the delay**. The University shall ascertain the facts and the extent of the delay and **extend the time** for completing the supplies as in its judgment the findings justify.



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20. Rejection

- a) In the event any portion of the Stores supplied by the Contractor is found before taking over to be **defective in material or workmanship**, or otherwise not in conformity with the requirements of the Contract, the University shall have the right to either reject or require, in writing, rectification of the Stores. In the later case, the Contractor shall with utmost diligence, and at his own expense, make good the defects so specified or replace the defective Stores. If the Contractor fails to rectify or replace the rejected Stores, the University may adopt any of the following options:
- i) **Replace or rectify**, at its option, such defective Stores and charge to the Contractor the excess cost occasioned to the University plus (15%) fifteen percent; or
 - ii) Acquire the said Stores **at a reduced price** considered equitable under the circumstances; or
 - iii) **Terminate the Contract** as provided in Clause **18** of these Conditions of Contract.
- b) Nothing in this Clause shall affect any claim by the University under Clause **22** hereafter.

21. Extension of Time

If the completion of the Contract is delayed due to reason beyond the control of the Contractor, the Contractor shall without delay request the University, in writing, of his **claim** for an extension of time. The University on receipt of such request may agree to **extend the completion date** as may be reasonable in the circumstances of the case but without prejudice to other terms and conditions of the Contract.

22. Delay in Delivery - Liquidated Damages

- a) Should the **progress** of the Contract at any time be **lagging behind** the program agreed between the University and the Contractor, the University will notify the Contractor in writing and the Contractor shall there upon take such steps as he / she may deem fit to **expedite the progress** of the Contract. Non-issuance of this notice by the University shall not in any way absolve the Contractor of the liquidated damages as stated in Clause **22 b)** below.
- b) If the Contractor **fails to complete the Contract**, in full or part, within the time laid down in the Contract Agreement or any extension thereof, there shall be deducted from the Contract Price, as **liquidated damages**, a sum of one half of one percent (**0.5%**) of **the Contract price** of each unit of the delayed Stores for each calendar week of delay subject to the maximum of five percent (5%) of the Contract Price of the unit or units so



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delayed, and such deduction shall be in full satisfaction of the Contractor's liability for the said failure.

23. Period of Guarantee

- a) The term **period of guarantee** shall mean the period of twelve **(12) months** from the date on which the Stores have been put into operation and demonstrated to University staff. In any case this period shall not exceed eighteen (18) months from the date of taking-over certificate.
- b) During the period of guarantee, the Contractor shall **remedy**, at his / her expense, **all defects** in design, materials, and workmanship that may develop or are revealed under normal use of the said Stores upon receiving written notice from the University; the notice shall indicate in what respect the Stores are faulty.
- c) The provisions of this Clause include all the **expenses** that the Contractor may have to incur for delivery and installation of such replacement parts, material, and equipment as are needed for satisfactory operation of the Stores at the University premises.

24. Non-assignment

The Contractor shall **not have the right to assign or transfer** without the prior approval of the University the benefit and obligations of the Contract or any part thereof.

25. Expenditure under Contract

The Contractor shall not make any expenditure for the purpose of this Contract in any **country not authorized** by the Government of Pakistan

26. Certificate Not to Affect the Rights of the University or the Contractor

No certificate of the University on account nor any sum paid on account by the University nor any extension of time for the delivery of the Stores pursuant to Clause 19 shall affect or **prejudice the rights of the University** against the Contractor nor relieve the Contractor of his obligation for due performance of the Contract or be interpreted as approval of the Stores supplied, and no certificate shall create liability of the University to pay for the alterations, amendments, variations etc. not ordered in writing by the University or discharge the Contractor for the payment of damages or of any sum against the payment of which he / she is bound to indemnify the University nor shall such certificate nor the acceptance by him / her of any sum paid affect or **prejudice the rights of the Contractor** against the University.

27. Payments Due from the Contractor

All costs, ascertained damages or expenses for which under the Contract the Contractor is liable to the University may be deducted by the University from any money due or may



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become due to the Contractor under the Contract or may be recovered by action of law or otherwise from the Contractor.

28 Legal Proceedings

The Contract and the Tender Documents are governed by the **laws of Pakistan** and no proceedings to or arising out of any of them shall be instituted in any courts other than those situated at Hyderabad and Karachi, Sindh Pakistan..

29. Dispute

Should any question or dispute arise as to the material, design, construction or delay in the supply of the Stores or the purpose or the performance for which they are required or are warranted, the University shall nominate an independent **certifier / expert** having knowledge of Equipment, etc., who will, after affording the parties to the dispute an opportunity to present their contention, and after having tests made as the certifier deems fit, certify whether there has been any breach of Contract or warranty and, if so, what sum shall be paid to the University in diminution or extinction of price, and such certificates shall be final and binding and shall not be questioned and shall be acted upon in arbitral or other legal proceedings. The award of the costs of the certifier will be within his / her own discretion and shall be recoverable from the party against which the costs are awarded.

30. Arbitration

All disputes and matters of difference whatsoever (other than those relating to the certificate of expert certifier) between the University and the Contractor relating to and arising out of the Contract and Tender Documents shall be referred to arbitration under the arbitration act 1940 with amendments and re-amendments thereof, each party nominating its own arbitrator. The umpire will be nominated by the arbitrators within the first three arbitral hearings. The **award of the arbitrators or of the umpire shall be final and binding** upon the parties. The arbitral proceedings shall be held at Nawabshah, Sindh Pakistan.



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ANNEXURE-A

FORM OF TENDER
(LETTER OF OFFER)

Tender Reference No _____ Dated _____

Name of Contract: **Supply, Installation, Putting into Operation and Demonstration of Lab Equipment at laboratories of Computer System Engineering Department of Quaid-e-Awam University of Engineering & Technology, Nawabshah, Sindh**

The In-Charge Project Director,
Quaid-e-Awam University of
Engineering & Technology
NAWABSHAH, SINDH

Dear Sir,

1. Having examined the Tender Documents including Instructions to Tenderers, Conditions of Contract, Specifications, Drawings, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named Contract, we, the undersigned, being a company doing business under the name and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Contract and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Tender Price of Rs. _____ (in figures and words) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Tender.
3. As security for due performance of the undertakings and obligations of this Tender, we submit herewith a Bid Bond referred to in Clause 3 of the Instructions Tenderers and as per Annexure "D", in the amount of Rs. _____ (in words and figures) drawn in favor of or made payable to Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah and valid for a period of 28 days beyond the period of validity of this Tender.
4. We undertake, if our Tender is accepted, to complete the whole of the work comprised in the above-named Contact within the time stated in Clause 12 of the Instructions to Tenderers.
5. We agree to abide by this Tender for the period of 90 days beyond the date of opening of the Tender, and it shall remain binding upon us and may be accepted at any time before the expiration of this period.



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6. Unless and until a formal Contract Agreement is signed, this Tender, together with your acceptance thereof, shall constitute a binding contract between us.
7. We undertake, if our Tender is accepted, to execute the Contract Performance Bond referred to in Clause 3 of the Instructions to Tenderers and as per Annexure "E" for the due performance of the Contract.
8. We understand that you are not bound to accept the lowest or any tender you may receive.
9. We do hereby declare that this Tender is made without any collusion, comparison of figures or arrangement with any other person or persons making a Tender for the above-named Contract.
10. We confirm, if our Tender is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the Vice Chancellor, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Nawabshah. (Please delete this clause in case of Tender from a single firm)

Dated this _____ day of _____ 2019

Signature _____ in the capacity of _____ duly authorized

to sign Tender for and on behalf of _____
(Name of Tenderer in Block Capitals)

Address: _____

Witness:

Name: _____

Address: _____

Occupation: _____



BID DATA SHEET

Notes on the Bid Data Sheet

Section related is intended to assist the Procuring agency in providing the specific information in relation to corresponding clauses in the Instructions to Bidders included in Part one Section I, and has to be prepared for each specific procurement

The Procuring agency should specify in the Bid Data Sheet information and requirements specific to the circumstances of the Procuring agency, the processing of the procurement, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the bids. In preparing Section II, the following aspects should be checked:

- (a) Information that specifies and complements provisions of Part One Section I must be incorporated.
- (b) Amendments and/or supplements, if any, to provisions of Part One Section I as necessitated by the circumstances of the specific procurement, must also be incorporated.



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BIDDING DATA

(This section should be filled in by the Engineer/Procuring Agency before issuance of the Bidding Documents).

a) Name & Address of the : Quaid-e-Awam University of Engineering & Technology,
Nawabshah.

Procuring agency.

b) Brief Description of Works : Supply of Lab Equipment for Department for Computer
System Engineering at QUEST, Nawabshah.

c) Estimated Cost :

d) Amount of Bid Security : **5%**

e) Period of Bid Validity : **90 days**

f) Amount of Bid Security :

g) Percentage if any, to be
Deducted from bill :

Tender will be issued from 19th August, 2020 to
3RD September, 2020

h) Deadline of submission of : 3RD September, 2020 up-to 11:00 (A.M)
Bids along with time
Bidders do not have the option of submitting their bids electronically.
Unsealed bids will not be entertained / received.

I) Venue, Date & Time of : Office of the In-charge Project Director - I
Bid opening 3rd September, 2020 up-to 12:00 (noon)

j) Time for Completion from written order of commence: 03 Months

k) Liquidity damages : ----- (0.05% of Estimated cost or Bid cost)

l) Stamp duty **0.35%** or notified by the Govt. of Sindh, will be paid by successful bidder as stamp duty.

m) Deposit Receipt No: Date: Amount:



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BID DATA SHEET

Introduction

ITB 1.1	Quaid-e-Awam University of Engineering Science & Technology, Nawabshah
ITB 1.1	Loan or credit or Project allocation number.
ITB 1.1	Procurement of Goods/Lab Equipments:
ITB 1.1	Supply of Lab Equipment for Department of Computer System Engineering at QUEST, Nawabshah.
ITB 4.1	Quaid-e-Awam University of Engineering Science & Technology, Nawabshah
ITB 6.1 Address	In-Charge Project Directorate, QUEST Nawabshah. PTCL # 0244-9370396 Ext. 2504
ITB 8.1	English

Bid Price and Currency

ITB 11.2	The price quoted shall be unit item price in Pak Rupees
ITB 11.5	The price shall be fixed

Preparation and Submission of Bids

ITB 13.3 (d)	Qualification requirements. The Bidder/s should have Minimum Five years of experience in the supply of similar type of Goods. The Bidder/s should be the tax payer and registered with GST.
ITB 14.3 (b)	Spare parts required for.... Not Applicable
ITB 15.1	Amount of bid security: 5% of the total bid quoted.
ITB 16.1	The bid should be valid for 90 days
ITB 17.1	Number of copies.
ITB 18.2 (a)	In-Charge Project Directorate, QUEST Nawabshah
ITB 18.2 (b)	IFB Procurement of Goods/Equipments.
ITB 19.1	Deadline for bid submission:- 3 rd September, 2020 up-to 11:00 (A.M) Bids received after the due date and time will not be entertained.
ITB 22.1	Time, date, and place for bid opening. 12:00 Noon, 3 rd September, 2020 12:00 (noon) in the office In-Charge Project Directorate, QUEST Nawabshah



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Bid Evaluation	
ITB 25.3	The QUEST will accept best evaluated bid prices as per Rule 48 & 49 of SPPRA Rules, 2010.
ITB 25.4 (a) ITB 25.4 (b)	Incomplete and conditional quotations will be rejected forthwith. No cutting / overwriting in the offered prices will be accepted.
Option (i) Option (ii) Option (iii)	adjustment expressed as a percentage, or adjustment expressed in an amount in the currency of bid evaluation, or adjustment expressed as a percentage
ITB 25.4 (c) (ii)	Deviation in payment schedule. Annual interest rate.
ITB 25.4 (d)	Cost of spare parts (if applicable).
ITB 25.4 (e)	Spare parts and after sales service facilities in the Procuring agency's country.
ITB 25.4 (f)	Operating and maintenance costs. Factors for calculation of the life cycle cost: (i) number of years for life cycle; (ii) operating costs; (iii) maintenance costs; and (iv) rate, as a percentage, to be used to discount all annual future costs calculated under (ii) and (iii) above to present value. or Reference to the methodology specified in the Technical Specifications or elsewhere in the bidding documents.
ITB 25.4 (g)	Performance and productivity of equipment.
ITB 25.4 (h)	Details on the evaluation method or reference to the Technical Specifications.
ITB 25.4 Alternative	Specify the evaluation factors.

Contract Award	
ITB 29.1	Percentage for quantity increase or decrease. (15) percent.



TENDER PARTICULARS

THE TENDERERS MUST SUPPLY THE FOLLOWING SPECIFIC INFORMATION FOR EACH ITEM OR GROUP OF ITEMS OF THE STORES:

Based on requirement by university

1. Conformation of Stores:

Whether the Stores offered conform to the particulars specified in the Schedules; if not, details of deviations must be stated in Annexure "F".

2. Manufacturing Details:

- (i) Brand of Equipment.
- (ii) Name and address of Manufacturer; and
- (iii) Country of origin of Stores.

3. Delivery Schedule:

- (i) Earliest date by which delivery can be affected;
- (ii) Complete schedule of delivery; and
- (iii) If the delivery period is different for different items, it must be indicated item wise.

4. Packing Specification:

Whether the specifications for packing given in the Tender Documents will be adhered to



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ANNEXURE-C1

**FORM OF SCHEDULE TO TENDER FOR STORES MANUFACTURED/AVAILABLE
IN PAKISTAN WITHOUT INVOLVING IMPORT.**

Due by _____ hours on _____
(time) (date) (month) (year)

SCHEDULE TO TENDER NO. _____ DATED _____

The Tender will be opened at _____ hours on _____
(time) (date) (month) (year)

Delivery on or before _____
(date) (month) (year)

Rates and amount to be quoted in Pakistani Rupees

S.No.	Code/ Item No.	Description Of Stores	Detailed Specifications Of Stores with Model No.	Quantity Of Stores.	Unit	Rate Per Unit	Total Price.
1	2	3	4	5	6	7	8

It is certifies that:

ii) The Stores offered above conform in all respects with the particulars/specifications given in the Tender Documents' and

iii) All the terms and conditions of the Tender Documents are acceptable to us.

(Signature of the authorized person)

(Name of the authorized person)

SEAL

(Name of the Tenderer)



ANNEXURE-C2

FORM OF SCHEDULE TO TENDER FOR STORES
IMPORTED FROM APPROVED COUNTRIES
(If required otherwise NA than follow only Part-2)

Due by _____ hours on _____
(time) (date) (month) (year)

SCHEDULE TO TENDER NO. _____ DATED _____

The Tender will be opened at _____ hours on _____
(time) (date) (month) (year)

Delivery on or before _____
(date) (month) (year)

PART 1. The rates quoted in the Table below must be on C&F basis.

S. No.	Code/ Item No.	Description Of Stores	Detailed Specifications Of Stores with Model No.	Quantity of Stores	Unit	Rate Per Unit	Currency	Total C&F Price	Country of Origin
1	2	3	4	5	6	7	8	9	10

PART 2. The rates quoted in the Table below must be in Pakistani Rupees

S.No.	Code/ Item No.	Description of Stores	Quantity of Stores	Unit	Rate Per Unit	Total Price
1	2	3	5	6	7	8

(Continued on the next page)



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NOTE:

In the Table below, the columns 1 to 5 and 8 are to be filled in by the Tenderer before submitting the Tender, while the columns 6,7 and 9 are to be filled in jointly by the In-Charge Project Director., Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, or his representative, and the Tenderer, or his representative, after opening of the Tender.

(if required otherwise NA in case of requirement add this to PART-1)

S. No.	Code/ Item No.	Description of Stores	Total C&F Price for Part 1	Currency	Exchange Rate	Total Price for Part 1 (Rs.)	Total Price for Part II (Rs.)	Total Cost (Rs.)
1	2	3	4	5	6	7	8	9

It is certified that:

- i) The Stores offered above conform in all respects with the particulars/specifications given in the Tender Documents; and
- ii) All the terms and conditions of the Tender Documents are acceptable to us.

(name of the Tenderer)

(Signature of the authorized person)

SEAL

(Name of the authorized person)



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ANNEXURE-D

BID BOND
(Bank Guarantee)

Guarantee No _____
Executed on _____
Expiry date _____

Letter by the Guarantor (Bank) to the Employer (University)

Name of Guarantor (Bank) with address: _____

Name of Principal (Tenderer) with address: _____

Penal sum of Security (Bond), (in figures and words): _____

Tender Reference No. _____ Date of Tender _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Tender and at the request of the said Principal (Tenderer), we the Guarantor above-named are held and firmly bound unto the Vice Chancellor, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, acting through the In-Charge Project Director, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, {hereinafter called The “Employer” (“University”)} in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Tenderer) has submitted the accompanying Tender numbered and dated as above for supply, installation, putting into operation and demonstration of equipment in the laboratories Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Nawabshah, to the said Employer (University); and

WHEREAS, the Employer (University) has required as a condition for considering the said Tender that the Principal (Tenderer) furnish a Bid Bond in the above said sum to the Employer (University), conditioned as under:



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- 1) that the Bid Bond shall remain valid for a period of 28 days beyond the period of validity of the Tender;
- 2) that in the event of;
 - a) the Principal (Tenderer) withdraws his Tender during the period of validity of the Tender;
 - b) the Principal (Tenderer) does not accept the correction of his Tender Price, pursuant to Clause 16 of “Instructions to Tenderers”; or
 - c) failure of the successful Tenderer to:
 - i) furnish the required Contract Performance Bond, in accordance with Clause 3 of “Instructions to Tenderers”; or
 - ii) Sign the proposed Contract Agreement, in accordance with Clause 4 of the “Conditions of Contract”; then the entire sum are paid immediately to the said Employer (University) as liquidated damages and not as penalty for the successful Tenderer’s failure to perform.

NOW THEREFORE, if the successful tenderer shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said Employer (University) in accordance with his Tender as accepted and furnish within twenty eight (28) days of his being required to do so, a Contract Performance Bond with good and sufficient surety, as may be required, upon the form prescribed by the said Employer (University) for the faithful performance and proper fulfillment of the said Contract or in the event of rejection of the said Tender by the Employer (University) within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT, the Guarantor shall forthwith pay to the Employer (University) the said sum stated above upon first written demand of the Employer (University) without cavil or argument and without requiring the Employer (University) to prove or to show grounds or reasons for such demand notice of which shall be sent by the Employer (University) by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT, the Employer (University) shall be the sole and final judge for deciding whether the Principal (Tenderer) has duly performed his / her obligations to sign the Contract Agreement and to furnish the required Contract Performance Bond within the time stated above, or has defaulted in fulfilling the said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Employer (University) forthwith and without reference to the Principal (Tenderer) or any other person.



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IN WITNESS WHEREOF, the above bounden Guarantor has executed the instrument under its seal on the date indicated above, the name and seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative pursuant to the authority of its governing body.

Guarantor (Bank)

Witness:

1. _____
(Signature)

(Name, Title, Address and Seal)

2. _____
(Signature)

(Name, Title, Address and Seal)

(Signature)

(Name)

(Title)

(Corporate Guarantor Seal)



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ANNEXURE-E

CONTRACT PERFORMANCE BOND

(Bank Guarantee)

Guarantee No. _____
Executed on _____
Expiry Date _____

Letter by the Guarantor (Bank) to the Employer (University)

Name of Guarantor (Bank) with Address: _____

Name of Principal (Contractor) with address: _____

Penal Sum of Security (Bond), (in words and figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the Tender Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal (Contractor) we, the Guarantor above named, are held and firmly bound unto the Vice Chancellor, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Nawabshah, Sindh, acting through the In-Charge Project Director,, Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah {hereinafter called the Employer (University)} in the penal sum of amount stated above for the payment of which sum well and truly to be made to the said Employer (University), we find ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Contractor) has accepted the Employer's (University's) above said Letter of Acceptance for the supply, installation, putting into operation and demonstration of Equipment of Laboratories of Quaid-e-Awam University Engineering Science & Technology, Located at Nawabshah, Sindh.

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer (University), with or without notice to the Guarantor, which notice is hereby waived and shall also well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till the expiry of the guaranty period as per Clause 23 of the Conditions of Contract.



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Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer (University) without delay upon the Employer's (University's) first written demand without cavil or arguments and without requiring the Employer (University) to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's (University's) written declaration that the Principal (Contractor) has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to the Employer's (University's) designated Bank and Account Number.

PROVIDED ALSO THAT the Employer (University) shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling the said obligations, and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer (University) forthwith and without any reference to the Principal (Contractor) or any other person.

IN WITNESS WHEREOF, the above bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body

	_____ Guarantor (Bank)
Witness:	
1. _____ (Signature)	_____ (Signature)
_____ Name, Title and Address (Seal)	_____ (Name)
2. _____ (Signature)	_____ (Title)
_____ Name, Title and Address (Seal)	_____ Corporate Guarantor (Seal)



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ANNEXURE-F

Statement Describing Deviation from Specifications.

S.No.	Code No.	Description of Stores	Statement of Variation from Specifications	Reasons for Variations.
1	2	3	4	5

(signature of the authorized person)

(Name of the authorized person)

SEAL

On behalf of

(name and address of the Tenderer)



BILL OF QUANTITIES (B.O.Q)

FOR

SUPPLY OF LAB EQUIPMENT

FOR

**COMPUTER SYSTEM ENGINEERING
DEPARTMENT**

@

QUEST, Nawabshah



DEPARTMENT OF COMPUTER SYSTEM ENGINEERING

LIST OF LABORATORIES

- (i) **ROBOT & COMPUTER VISION LAB.**
- (ii) **TELECOMMUNICATION SYSTEM LAB.**
- (iii) **FINAL YEAR PROJECT LAB.**
- (iv) **NETWORKING AND WIRELESS LAB.**
- (v) **ELECTRONIC AND COMPUTER WORK SHOP**
- (vi) **SOFTWARE DEVELOPMENT ENGINEERING LAB**
- (vii) **PARALLEL AND DISTRIBUTED COMPUTING LAB**
- (viii) **DIGITAL LOGIC & DESIGN LAB**
- (ix) **MICROPROCESSOR LAB**
- (x) **MULTIMEDIA LAB**

NOTE:

The Quantities of above mentioned Lab Equipment (BOQ / List attached below) can be increase or decrease as per the rate offered by venders and allocated / available funds. The final supply order shall be issued enclosed with required quantities items.



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Item Based on Above Mentioned Lab.

Item	Description of Items	Qty	Unit Price	Amount Rs.
01	<p>Computer Desktop/workstation</p> <ul style="list-style-type: none"> • Intel Core i7, 7th generation • 8GB RAM, • 1 TB HDD, • DVD-RW • LED standard size • Keyboard • Mouse with pad <p>Complete in all respect. As desired by the head of department. (Dell / HP / Toshiba OR Equivalent)</p>	180 Nos.		
02	<p>Multimedia class room Projector LCD Technology model with sealing frame and screen (Complete).</p> <p>A. SPECIFICATIONS</p> <ul style="list-style-type: none"> • Projection Technology RGB liquid crystal shutter projection system (3LCD) • LCD Size 0.67" (D10, C2fine) • Native Resolution WUXGA • Projection Lens (Type) Optical Zoom (Manual) / Focus (Manual) • F-Number & Focul Length 1.50 - 1.71 20.42 - 24.50 mm • Lamp Type 200W UHE • Lamp Life (Nor/Eco) 5,000 hours / 10,000 hours • Screen Size (Projected Distance) Zoom: Tele - 30" - 300" [1.07 - 10.98 m] Standard Size - 60" screen 1.8 - 2.17 m • Brightness 3,200lm Color 3,200lm White • Contrast Ratio 15,000:1 • Connectivity D-Sub 15 pin, Composite, S-Video, HDMI, Audio Input, USB Type A, USB Type B, Wireless Lan (optional) <p>B. MANUAL SCREEN 1:1 180 x 180 cm (100") 6' x 6' MW widescreen format OR Equivalent.</p> <ul style="list-style-type: none"> • Built-in L bracket for easy ceiling or wall mounting • High quality multilayer Glass beat with a black backing suitable for most LED, LCD or DLP projectors. <p>C. HDMI Cable 1.4v or 2.0v (30 m) Male-Male Type or as per multimedia specification</p> <p>D. Power Cable</p> <ul style="list-style-type: none"> • C14 to C19 connectors • 14AWG, 15A, 250v • Expertly designed and constructed of high quality materials <p>Epson, Sony, Acer, Dell, Nec, Panasonic OR Equivalent</p>	14 Nos.		



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Item	Description of Items	Qty	Unit Price	Amount Rs.
03	<p>Smart Wireless All-in-One Printer (Print, Scan, Copier Manual & Wireless)</p> <ul style="list-style-type: none"> • Dual band Wi-Fi Connectivity • 5000 Black Page Printing Capacity • Automatic ink sensor • Print Speed (Black): Up to 20 ppm (min) • Access and print with USB and wireless networking. • Easy slide-off scan glass <p>Hp, Epson, Dell OR Equivalent</p>	10		
04	<p>Network Switch WS-C2960X-24PS-L Catalyst 2960-X Switch with GBIC Module</p> <p>The Cisco Catalyst 2960 L Series switches with fixed-configuration, Gigabit Ethernet switches which provide entry-level enterprise-class Layer 2 access for branch offices, Labs with conventional workspace, and closet applications.</p> <p>Provide support for the following features:</p> <ul style="list-style-type: none"> • 24 Gigabit Ethernet ports with line-rate forwarding performance • Four Gigabit Small Form-Factor Pluggable (SFP/SFP+) uplinks • Power over Ethernet Plus (PoE+) support with up to 370W of PoE budget and Persistent PoE • Finless operation with operational temperature up to 45°C for deployment outside the wiring closet • Reduced power consumption and advanced energy management • RJ-45 and USB Mini-Type B console ports • USB Type A port supports file system <p>Cisco OR Equivalent</p>	12		
05	<p>Patch Panel 24 Port</p> <p><u>Features:</u></p> <ul style="list-style-type: none"> • Express assemblies • Integrated cable with management tray • Earth connection • High performance transmission meets Cat-6 standards. Designed to be installed as per UK and European keystone applications. <p>3M or Equivalent</p>	14		



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Item	Description of Items	Qty	Unit Price	Amount Rs.
06	<p>Cabinet 42U (Universal Rack - rear split doors)</p> <p>Features</p> <ul style="list-style-type: none"> Contemporary, sleek appearance, strong frame structure Multiple vendor equipment compatibilities Full line of accessories & a family of sizes and styles <p>Dimensions</p> <ul style="list-style-type: none"> Width: EIA Standard 19" Rack Rails External Width: 23.6" - 600mm Height: 78.74" - 2,000mm - Rack Units: 42U Depths: 39.37" & 41.34" Racks in other dimensions are available <p>Accessories</p> <ul style="list-style-type: none"> Sidewalls, Split rear Doors Baying Kits, Toolless Shelves, Casters, Bolt Down Kits, Cable Management Power Strips - Vertical or Rackmount, Enclosure Monitoring System Toolless Blanking Panels, Fans 	10		
07	<p>UTP Cat-6 Cable</p> <ul style="list-style-type: none"> Compatible with the Category 5/5e and Category 3 cable standards Specifies performance of up to 500 MHz or less Terminated in <u>8P8C</u> modular connectors (or as per required) <p>3M/ Vivanco or Equivalent</p>	02		
08	<p>UTP Cat-7 Cable</p> <ul style="list-style-type: none"> Compatible with the Category 5/5e and Category 3 cable standards Specifies performance of up to 500 MHz or less Terminated in <u>8P8C</u> modular connectors (or as per required) <p>3M/ Vivanco or Equivalent</p>	02		
09	<p>Laptop</p> <ul style="list-style-type: none"> - Core i5 - 1.2 GHz - 4 GB - 14.0" - Genuine Windows 10 Home <p>HP/Dell/Acer or equivalent</p>	03		



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Item	Description of Items	Qty	Unit Price	Amount Rs.
10	<p>Server Machine (Computer) Specification:</p> <ul style="list-style-type: none"> • 2 socket, 2U Rack Server • Intel® Xeon® Scalable processor 8270 Platinum XCC 2.7 GHz 2933 MT/s 26-cores Turbo TDP 205W • 16 GB RDIMM 2933 MT/s - 2666 MT/s 2 Ranks per DIMM, Data width-x8 • 3.5 -inch front-accessible, hot-plug hard drives, 3.5 -inch SAS 12Gb 7.2K (1TB x 2) • PCI Express® (PCIe) 3.0 enabled expansion slots • iDRAC 9 with Lifecycle Controller • Wireless management • Power supply • AC (Platinum): 495W, 750W, 1100W, 1600W, 2000W, 2400W • System management Lifecycle Controller 3.x, Open Manage, QuickSync2.0, OMPC3, Digital License Key, iDRAC Direct (dedicated micro-USB port), Easy Restore, vFlash • Internal GPU 3 x 300W (double-width) or 6 x 150W (single width) • Hot-plug drives • Hot-plug redundant cooling • Hot-plug redundant power supplies • IDSDM support • Boot Optimized Storage Subsystem (BOSS) • Storage Controllers • Internal storage controller cards: H330, H730P, H740P, HBA330 and S140, Boot Optimized Storage Subsystem (BOSS) module. • External storage controller cards: H840 and 12Gbps SAS HBA • I/O & Ports Network daughter card options • 2 x 10GbE + 2 x 1GbE • Front ports: • Video • 2 x USB 2.0 • 1 x USB 3.0 (optional) • 1 x Dedicated iDRAC Direct Micro-USB • Rear ports: • Video, serial, 2 x USB 3.0 • 1 x Dedicated iDRAC network port Video card: VGA Riser options with up to 8 PCIe Gen 3 slots, maximum of 4 x 16 slots • DVD+ROM • Rack Ready Rails <p>HP/Dell/Acer or equivalent</p>	02		
11	<p>Rj-45 Connector Steel with cap boot plug cover (8P8C) modular plug and jack 3M/ Vivanco or equivalent</p>	1000 Nos		
12	<p>I.O Cards for Patch Panel 3M/ Vivanco or equivalent</p>	500 Nos		



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Item	Description of Items	Qty	Unit Price	Amount Rs.
13	I.O Cards/ Face Plate volition Dual Shutter Face plate / Box 3M/ Vivanco or equivalent	500 Nos		
14	Duct Patti for UTP (Adam Jee or equivalent)	500 Rft		
15	Programmable robot (Make block mBot Robot Kit)	04 Nos		
16	Arduino Kit (Arduino Starter Kit Multi-Language)	10 Nos		
17	Arduino Boards (Arduino UNO R3)	50 Nos		
18	Microcontroller Development Kit Raspberry PI 4, 8GB	20 Nos		
19	IOT Training kit (ETS_IOT IoT Trainer Kit)	04 Nos		
20	Multi-meter (GSSUSA Digital Multi-meter)	03 Nos		
21	Power supply unit (RoMech 30V 10A DC Power Supply)	12 Nos		
22	Data Communication Trainer (Scientech 5001 Data Communication Trainer)	04 Nos		
23	PC hardware trainer (PME-2801)	02 Nos		
24	Hardware & Network trainer (VPL-LAN-PS)	02 Nos		
25	Computer repair toolkit (iFixit Pro Tech Toolkit)	04 Nos		
26	Digital oscilloscope (Siglent SDS1104X-E 100Mhz)	01 No		
27	Function generator (Siglent Technologies SDS1102CML)	01 No		
28	Soldering iron kit (Tabiger Soldering Iron Kit)	06 Nos		
29	Power supply unit (RoMech 30V 10A DC Power Supply)	06 Nos		
30	Heat Gun (Hot Glue Gun, Cobiz Full Size)	06 Nos		
31	Wire stripper (Neiko 01924A 3-in-1)	08 Nos		
32	Needle-nose Pliers (Stanley 84-096 5-Inch Needle Nose Plier)	05 Nos		
33	Wire Cutter (Micro Cutter)	05 Nos		
34	Screwdriver set (ORIA Precision Screwdriver Kit, 60 in 1)	03 Nos		
35	Fluke tester (Fluke T5600)	01 Nos		



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Item	Description of Items	Qty	Unit Price	Amount Rs.
36	Cable tester (Network cable tester)	05 Nos		
37	Crimping tool (TICONN Crimping Tool)	05 Nos		
38	Wire stripper/cutter plier (DOWELL 10-22 AWG)	05 Nos		
39	Fiber optic kit (Zoostliss FTTH Fiber)	01 No		
40	LAN Trainer (IT 4403)	01 No		
41	Router (CISCO)	01 No		
42	General Digitized Training System (ETS-8000A)	01 No		
43	Digital oscilloscope (Siglent SDS1104X-E 100Mhz)	01 No		
44	Function generator (Siglent Technologies SDS1102CML)	01 No		
45	Breadboards (Solder less Project Bread Board MB-102)	25 Nos		
46	Logic probe (Logic Probe LP2800)	06 Nos		
47	Wire cutter (Wire Cutter 6 inch)	05 Nos		
48	Logic analyzer (Saleae Logic8)	01 No		
49	Microcontroller programmer (PIC Microcontroller Portable Programmer)	02 Nos		
50	Microprocessor trainer kit (8085 microprocessor trainers)	04 Nos		
51	ADV Microprocessor Trainer (Nvis 5586A Tech book for Advanced 8086 Microprocessor Trainer)	04 Nos		
52	Wireless microphone system (Phenyx Pro 4-Channel UHF Cordless Mic Set with Four Handheld Mics)	02 Nos		
53	Multimedia Speakers (Edifier R980T 4" Active Bookshelf Speakers - 2.0)	02 Nos		

M/s. _____
Firm/Contractor Suppliers