



Abbottabad University of Sciences & Technology

Captain Akaash Rabbani Shaheed Road, Havelian, Abbottabad
Khyber Pakhtunkhwa

Website: www.aust.edu.pk ph.: 0992-922501

Price Rs. 2000/-,
(in shape of pay order
in favor of Treasurer)

TENDER DOCUMENT

“SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF GENERATORS, UPS, UTP, COMPUTER TABLES, POWER CABLING & DESKTOP COMPUTERS FOR COMPUTER LABORATORIES” (PACKAGE WISE) “

To Be funded from

1. “Upgradation Of Hazara University Campus To Fullfledge University Hevellian”
2. Departmental development fund of the Computer Science and Information Technology Department, Abbottabad UST

Important Dates

Pre-bid Meeting on : December 07th, 2023 at 11:30 A.M

Deadline for submission of Tender Document is: 11:00 AM, December, 12th , 2023

Tender Opening: 11:30 AM, December 12th, 2023

(Updated After Pre-bid Meeting)

Director Finance/ Secretary Purchase Committee

**Abbottabad University of Science & Technology
Havelian, Abbottabad**

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A. TENDER NOTICE

Sealed bids are invited on Single Stage - two Envelop procedure under KPPRA rules 11(1) from the firms registered with Income Tax and Sales Tax Departments and having similar past experience for **“SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF GENERATORS, UPS, UTP, COMPUTER TABLES, POWER CABLING & DESKTOP COMPUTERS FOR COMPUTER LABORATORIES” (PACKAGE WISE)** for Abbottabad University of Science & Technology (AUST).

TERMS & CONDITIONS

Tender document which includes detail of items, specifications and terms & conditions can be downloaded from the website www.aust.edu.pk or KPPRA website (www.kpra.gov.pk) or it may be obtained from the office of undersigned. The Biding documents sealed in two envelopes. Envelope 1 should contain technical details or qualifications, while Envelope 2 should contain the financial bid can be submitted along with Bank Draft/ Pay Order of Rs. 2000/-Non-Refundable (Stationary Charges). No bid will be accepted without Tender Document fee.

Sealed bids should be submitted at the latest by **December 12th, 2023 at 11:00 A.M** along-with earnest money of 2% of total value of the bid amount in the form of Call Deposit Receipt “CDR” in favor of Treasurer Abbottabad University of Science & Technology (AUST).

Tender will be opened on the same day i.e. **December 12th, 2023 at 11:30 A.M** in the presence of interested bidders or their representatives, if any, at Conference Room, Abbottabad University of Science & Technology, Havelian, Abbottabad.

The institute reserves the right to accept or reject all or any tender as per KPRA rules 2014.

Survey of site is mandatory for **(UTP Cat 6, COMPUTER TABLES & POWER CABLING)** before the holding of Pre-bid meeting, whereas the Pre-bid meeting is scheduled on **December 07th, 2023 at 11:30 A.M** at Treasurer office. No query will be entertained at the time of bid opening.

**Secretary Purchase Committee
Abbottabad University of Science & Technology,
Havelian, Abbottabad, KPK. Tel: 0992-922501**

B. CHECK LIST

Name of the Firm, Address(Telephone, Fax & E-mail)	
Profile Year of Establishment	
Relevant Experience	
National/Income Tax No. (Annual Turnover supported by Income Tax Return)	
Banker's Name & Contact Details	
Earnest Money @ 2% as Bank Pay Order/Draft is attached	Yes No
2 years relevant experience having similar nature of project.	
Affidavit (that the firm has not been black listed by private, Govt., Semi Govt. and Autonomous Body nor authority nor has rescinded any work nor have rescinded any work/assignment.)	

Name & Designation**Contact Person**

C. BID DATA SHEET

Name of the Work Place of Execution	“SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF GENERATORS, UPS, UTP, COMPUTER TABLES, POWER CABLING & DESKTOP COMPUTERS FOR COMPUTER LABORATORIES” (PACKAGE WISE) ” Abbottabad University of Sciences and Technology, Havelian, Abbottabad KPK.
Bid Inviting Entity and Address	Convener Purchase Committee, Abbottabad University of Sciences and Technology, Havelian, Abbottabad KPK.
Mode of Submission	Either through Courier or in-Person. Response submitted via email shall also be accepted, for which Earnest Money (EM) in shape of Demand Draft/ Pay Order amount 2% of the quoted value bearing date before submission deadline should be couriered to Abbottabad UST.
Payment Terms	Payment of bill will be released after successful delivery and inspection of items as per desired specifications mention in this document.
Liquidated Damages	2% of the Quoted Price on each week of delay (calculated on per day basis) up-to a maximum of 10%.
Award of Contract	Tender would be awarded to the lowest evaluated bidder. Or Maybe awarded to items wise lowest bidder.
Submission deadline	December 12th, 2023, at 11:00 A.M at the Office of Secretary Purchase Committee, Abbottabad UST
Due Date, Time & Place for Tender Opening	Tender will be opened on December 12th, 2023, at 11:30 A.M in the Conference Room, Abbottabad University of Sciences and Technology, Havelian, Abbottabad KPK.
Delivery Period	30 Days
Contact Person for Inquiries	Treasure Abbottabad University 0992-922501

D. INTRODUCTION

The Abbottabad University of Sciences & Technology is an autonomous body established under the Government of the Khyber Pukhtunkhwa is working towards promotion of higher education. Abbottabad University of Science & Technology is planning to purchase of “**SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF GENERATORS, UPS, UTP, COMPUTER TABLES, POWER CABLING & DESKTOP COMPUTERS FOR COMPUTER LABORATORIES**” (PACKAGE WISE)”, Details about the specifications and quantity of Items are mentioned in *Annexure II*.

E. GENERAL TERMS AND CONDITIONS:

Bidders are requested to read carefully the following terms and conditions and sign the Tender Form in token of having understood and accepted the same in all respects. They are also requested to submit the bid (s) complete in all respects. The quote(s) must be accompanied with a bid security valuing 2% of the total quoted price. Tender without bid security/fee will be out-rightly rejected.

- a) The supplier must be registered with the Income Tax and Sales Tax Authorities.
- b) The quote(s) must remain valid for 90 days from the date of tender opening.
- c) All suppliers shall mention all applicable taxes in their quotes. In case any supplier has not separately mentioned the applicable taxes in quote, the procuring entity while comparing the offers will consider that the taxes have been included.
- d) The request for quotation is non-transferable.
- e) Quotations must be submitted on or before the given time and date to the officer-designate for the purpose. No late quotation for any reason whatsoever will be considered.
- f) The bidders must submit Non-Black List Certificate (confirming that bidder has never been black listed by any Government/Semi Government Organization) along with their offer, failing which their offer will be rejected.
- g) In case of non-conformity with the desired specifications, the item shall be replaced by the Supplier free of cost.
- h) Any bids received after the prescribed date & time for submission of bids shall be returned unopened to the bidder.
- i) The bidder will must provide **Indemnity Bond/Warranty** (if any) on Judicial Stamp Paper.
- j) The successful bidders must provide indemnity bond for good quality of items. If the desired items are not found up to the mark, the bidder should replace it at his own cost within the warranty period.
- k) A performance security 10% (if any) of the total contract value shall be deducted from the successful bidder for a period of one-year.
- l) **Undertaking:**

It is certified that the above terms & conditions have been read, learned and accepted.

Signature of the Bidder with date and Stamp: _____

F. OTHER CONDITIONS OF CONTRACT

A. Payment Clause

Payment shall be made on production of the following documents: -

- a) The Supplier/Vendor submits original invoice.
- b) Material/Deliverables Receiving Report (in original) signed by the Authorized Representative of Procuring entity in acknowledgement of having received all supplies/deliverables in accordance with the Purchase Order/Contract Agreement.
- c) Authenticated sales tax invoice in original as prescribed in the Sales Tax Act 1990 (where applicable).
- d) Valid Income Tax Exemption Certificate (where applicable), otherwise Income Tax at current applicable rates shall be deducted from the invoice.
- e) A certified copy of Income Tax Registration Certificate
- f) A certified copy of Sales Tax Registration Certificate

Note: Recovery of all applicable taxes at source should be made as per rules.

Sub-Letting Contract

The supplier shall not sub-let or assign this Contract or any part thereof without the written permission of the Institute. In the event of the Service provider subletting or assigning this Contract or any part thereof without such permission, the Institute shall be entitled cancel the Contract and to purchase the goods elsewhere on the supplier account and risk and the supplier shall be liable for any loss or damage which the procuring entity may sustain in consequence of arising out of such purchase.

Bribes / Commission

Any bribe, commission, gift or advantage given, promised or offered by or on behalf of the Contractor or his partner, agent or servant, or any one on his or their behalf to any officer servant, representative or agent of the procuring entity or any person on its behalf in relation to the obtaining or to the execution of this or any other contract with Institute, shall in addition to any criminal liability which he may incur, subject the contractor to cancellation of this and all other Contracts and also to payments of any loss or damage resulting from such cancellation; and the Institute shall be entitled to deduct the amounts so payable from any moneys, otherwise due to the supplier under this or any other Contract.

Force Majeure

The term "Force Majeure" as employed herein shall mean acts of God, strikes, lockout or other industrial disturbances, acts of public enemy, wars, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms, lightning, floods, washouts, civil disturbances, explosions and any other similar events, not within the control of either Party and which by the exercise of due diligence neither Party is able to overcome.

If either Party is temporarily unable by reason of Force Majeure to meet any of its obligations under the Agreement, and if such Party gives to the other Party written notice, of the event within fifteen (30) days after its occurrence, such obligations of the Party, as it is unable to perform by reason of the event, shall be suspended for as long as the inability continues. Neither Party shall be liable to the other Party for loss or damage sustained by such other Party arising from any event referred to as Force Majeure or delays arising from such event. Force Majeure shall not include insufficiency of funds or failure to make any payment required under the Agreement.

Dispute Resolution

The Institute shall constitute a Committee consisting of odd number of persons with proper powers and authorizations to redress complaints of bidders that may arise prior to issuance of Purchase Order/contract agreement, in accordance with the KPRA Rules 2014. If a bidder is not satisfied with the decision of the Committee, he may take recourse to the KPRA.

Applicable Laws:

This Agreement shall, in all respects, be read and construed and shall operate in conformity with the KPRA Act 2012 and KPRA Rules 2014

G. Bid Submission Form/ Quotation

(To be filled in and return back in a separate and sealed envelope duly marked as Quotation)

Tender reference:

Procurement office/ **“SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF GENERATORS, UPS, UTP, COMPUTER TABLES, POWER CABLING & DESKTOP COMPUTERS FOR COMPUTER LABORATORIES” (PACKAGE WISE)** -> Tender 12/1/2023/IT

[The Bidder is required to prepare the Quotation following the below format. The Quotation must include a detailed cost breakdown of all goods and related services to be provided.]

We, the <<Name of Bidder>>, hereby submit our Quotation for the Items/ Services as below. We assure you of our full compliance to the Scope of Work, required Specifications, Delivery Schedule and other terms as stipulated in this Tender, without any deviation and/ or reservations. We reiterate our acceptance to the terms and conditions of the Tender.

List of Required Items

ANNEXUE II.
Tender Specification

Abbottabad University of Science & Technology

Package 1 (Generators)

SNO.	ITEMS	SPECIFICATIONS	QTY (Nos)	Unit Price Including all taxes(Rs)	Total Price Including all taxes(Rs)
1	100KVA Diesel Generator	As Per Annex-I (Attached)	01		
2	50KVA Diesel Generator	As Per Annex-II (Attached)	01		

General Specifications of 100 KVA Diesel Generating Set Engine Technical Data

Annex-I				
Engine Manufacturer		John Deere/ Cummins/ Perkin UK/ Japan/ USA or equivalent European brand.		
Engine Power		Prime(KVA)	Standby(KVA)	
		100	110	
Power Factor		0.8		
Frequency		50Hz		
Number of cylinder		Four stroke (4Cylinder) heavy duty high Performance industrial type diesel Engine.		
Governor Type		Electronic/ Mechanical		
Aspiration		Turbo Charged		
Combustion system		Direct Ignition		
Voltage		400/230		
Fuel system	Tank Capacity	L/Hrat50%load	L/Hrat75%load	L/Hr at 100% load
Diesel	8 hours base tank capacity	11.2	17.1	22.6

Cooling	Water
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Coolant Type	Gen cool
Coolant Capacity	20Lorbetter
NoiseLeveldB @1m	80dBA.
@7m	70 dBa

Alternative Data

Engine coupled to Single bearing Brushless Alternator.

Description	Details
Make	LeroySommer /Stamford or other equivalent UK brand.
Noof bearings	1
Insulation Calss	H
Wires	12
Ingres Protection	IP23orHigh
Excitation system	Self
Winding Pitch	2/3
AVR Model	SX460/AS440 or equivalent
Voltage Regulation	Steady_1%

Assemblers:

SDMO, FGWilson, Olympian, Caterpillar, Siemens, Perkins, Cummins or Equivalent brands.

Control Panel

Make	Deep Sea or equivalent
Model	7000Seriesorequivalent

The DSE7000Series is an Auto start control Module for single Genset applications. It includes backlit LCD display which clearly shows the status of the engine all the time. This module can either programmed using the front panel or by using the DSE configuration site PCSoftware.

Generator shall comply with the following:

1.Radiator Cooled.

Metering And Alarm Indications:

1. Generator Frequency
2. Under speed, Over speed
3. Generator Volts.
4. Generators Current.
5. Engine Oil Pressure.
6. Engine Coolant Temperature.
7. Fuel Level (Warning as hot down).
8. Hours runs Counter.
9. Battery Volts.

10. Fail to start/Stop.
11. Emergency Stop.
12. Failed to reach loading Voltage/ Frequency
13. Change fail.
14. Loss of Magnetic Pickup single–Optional.
15. Low DC Voltage.
16. Can Diagnostic & Can fail/ error
17. Power factor

Standard specification

- Engine
 - Four stroke (4 Cylinder) heavy duty high performance industrial type diesel Engine. The Generator must be manufactured and assembled in Europe/Japan/ USA or equivalent and complete in all respect.
- Engine Filtration System
 - Cartridge type dry air filters.
 - Cartridge type fuel filters.
 - Full flow lube oil filters
- Cooling Radiator;
 - Radiator & Cooling fans complete with safety guards, designed to cool the engine at high ambient temperatures.
- Exhaust System:
 - Heavy duty industrial Exhaust Silencer.
- Circuit Breaker
 - ABB 3 Pole MCCB or equivalent.
- Fuel System
 - The base frame is incorporate with an integral fuel tank with capacity of approx 8 hours running at full load. The tank is supplied Complete in all respect.
- Alternators
- INSULATION SYSTEM
 - The insulation system is Class H.
 - All windings are impregnated in a triple dip thermo setting liquid, oil and acid resisting polyester varnish or vacuum pressure impregnated with a special polyester resin.
 - Heavy coat of anti-tracking varnish additional protection against moisture or condensation.
- AUTOMATIC VOLTAGE REGULATOR (AVR)
 - The fully sealed Automatic Voltage Regulator maintains the Voltage Regulation at $\pm 1\%$. Nominal adjustment by means of a trim pot incorporated on the AVR.
- MOUNTING ARRANGEMENT
- COUPLING
 - The Engine and Alternator should directly couple. The Engine flywheel should be flexibly coupled to the Alternator rotor.
- ANTI-VIBRATION MOUNTING PADS
 - Anti-Vibration pads are required affixed between the Engine / Alternator feet and the Base frame thus ensuring complete vibration isolation of the rotating assembly.
- SAFETY GUARDS
 - The Fan & Fan Drive along with the Battery Charging Alternator are Safety Guard protected for personnel protection.
- FACTORY TEST
 - The Generating set will be load tested before dispatch.
 - All protective devices control functions and site load conditions should be simulated. The generator and its systems will be checked before dispatch, the cost of inspection will be borne by the Supplier.

- **EQUIPMENT FINISHING**

- All mild steel components are required fully degreased and painted with powder coated paint to ensure maximum scuff resistance and durability.

- **QUALITY STANDARDS**

- The equipment meets the following standards:

BS4999, BS5000, BS5514IEC60034, VDE0530, NEMAMG1.22 and ISO 8528.

- **WARRANTY**

- All of the Generating Sets should covered under a warranty policy for a period of 12 months. Warranty of the equipment is in line with manufacturer's warranty terms & conditions.

- **Rating Definitions**

- Prime Power: Variable load. Unlimited hour's usage with an average load factor of 80% of the published prime power over each 24 hour period. A 10% overload is available for 1 hour in every 12 hours of operation.
- Standby Power: Variable load. Limited to 500 hours annual usage, up to 300 hours of which may be continuous running. No over load is permitted.

- **Canopy:**

- Providing & Installation of weather & sound proof canopy, Suitable for 100KVA Diesel Generating set of high quality Europe/ Japan/ USA or equivalent made. The Canopy may have the facility of locking and proper Exhaust system.

- **Earthing/Grounding:**

- Earthing/ Grounding one for neutral and one for body with resistance of less than one ohm.

- **Foundation Mounting Pad:**

- RCC type Concrete foundation pad with standard mesh. Foundation pad must be 1 feet high from NSL and 1 feet larger in all the dimension from GenSet must be constructed with concrete strength of 3000PSI at 28 days.

- Electric Power Cable:
 - Power cable 95mm 4core 50 meter and control cable (Pakistan Cables, Fast cable or Newage cable) a/wconduit pipe (UPVC) class-B 45 meter 4 inch (Popular, Beta, Dadex) of appropriate size sufficient for the requirement of Power supply. Payment of Power cable and Pipe will be made as per actual, the acutal quantity will be based on the survey at the time of installation
- Automatic Transfer Switch:
 - Automatic Transfer Switch (ATS) with manual override for switching between Prime source of power (City Power) and generator set. The ATS must have static battery charger, necessary protection and metering system.

General Specifications of 50 KVA Diesel Generating Set Engine Technical Data

Annex-II		
Engine Manufacturer		John Deere/ Cummins/ Perkin UK/ Japan/ USA or equivalent European brand.
Engine Power		Prime(KVA) Standby(KVA)
		30 55
Power Factor		0.8
Frequency		50Hz
Number of cylinder		Four stroke(4 Cylinder) heavy duty high Performance industrial type diesel Engine.
Governor Type		Electronic/Mechanical
Aspiration		Natural
Combustion system		Direct Ignition
Voltage		400/230
Fuel system	Tank Capacity	
Diesel	8 hours base tank	
Cooling		Water
Coolant Type		Gencool
Coolant Capacity		10Lorbetter
NoiseLeveldB @ 1m		80 dBa
@7m		70 dBa

Alternative Data

Engine coupled to Single bearing Brushless Alternator.

Description	Details
Make	LeroySommer/ Stamford or other equivalent UK brand.
No of bearings	1
Insulation Class	H
Wires	12
Ingress Protection	IP23orHigh
Excitation system	Self
Winding Pitch	2/3
AVR Model	SX460/AS440 or equivalent
Voltage Regulation	Steady_1%

Assemblers:

SDMO, FGWilson, Olympian, Caterpillar, Siemens, Perkins, Cummins or Equivalent UK brands.

Control Panel

Make	Deep Sea or equivalent
Model	7000 Series or equivalent

The DSE7000Series is an Auto start control Module for single Genset applications. It includes backlit LCD display which clearly shows the status of the engine all the time. This module can either programmed using the front panel or by using the DSE configuration site PC Software.

Generator shall comply with the following:

3. Radiator Cooled.

Metering And Alarm Indications:

18. Generator Frequency
19. Under speed, Over speed
20. Generator Volts.
21. Generators Current.
22. Engine Oil Pressure.
23. Engine Coolant Temperature.
24. Fuel Level (Warning as hot down).
25. Hours runs Counter.
26. Battery Volts.
27. Fail to start/Stop.
28. Emergency Stop.
29. Failed to reach loading Voltage/ Frequency
30. Change fail.
31. Loss of Magnetic Pickup single-Optional.
32. Low DC Voltage.
33. Can Diagnostic & Can fail/ error
34. Power factor

Standard specification

Standard specification

- Engine
 - Four stroke (4 Cylinder) heavy duty high performance industrial type diesel Engine. The Generator must be manufactured and assembled in Europe/Japan/ USA or equivalent and complete in all respect.
- Engine Filtration System
 - Cartridge type dry air filters.
 - Cartridge type fuel filters.
 - Full flow lube oil filters
- Cooling Radiator;
 - Radiator & Cooling fans complete with safety guards, designed to cool the engine at high ambient temperatures.
- Exhaust System:
 - Heavy duty industrial Exhaust Silencer.
- Circuit Breaker
 - ABB 3 Pole MCCB or equivalent.
- Fuel System
 - The base frame is incorporate with an integral fuel tank with capacity of approx 8 hours running at full load. The tank is supplied Complete in all respect.
- Alternators
- INSULATION SYSTEM
 - The insulation system is Class H.
 - All windings are impregnated in a triple dip thermo setting liquid, oil and acid resisting polyester varnish or vacuum pressure impregnated with a special polyester resin.
 - Heavy coat of anti-tracking varnish additional protection against moisture or condensation.
- AUTOMATIC VOLTAGE REGULATOR (AVR)
 - The fully sealed Automatic Voltage Regulator maintains the Voltage Regulation at $\pm 1\%$. Nominal adjustment by means of a trim pot incorporated on the AVR.
- MOUNTING ARRANGEMENT
- COUPLING
 - The Engine and Alternator should directly couple. The Engine flywheel should be flexibly coupled to the Alternator rotor.
- ANTI-VIBRATION MOUNTING PADS
 - Anti-Vibration pads are required affixed between the Engine / Alternator feet and the Base frame thus ensuring complete vibration isolation of the rotating assembly.
- SAFETY GUARDS
 - The Fan & Fan Drive along with the Battery Charging Alternator are Safety Guard protected for personnel protection.
- FACTORY TEST
 - The Generating set will be load tested before dispatch.
 - All protective devices control functions and site load conditions should be simulated. The generator and its systems will be checked before dispatch, the cost of inspection will be borne by the Supplier.
- EQUIPMENT FINISHING
 - All mild steel components are required fully degreased and painted with powder coated paint to ensure maximum scuff resistance and durability.
- QUALITY STANDARDS
 - The equipment meets the following standards:

BS4999, BS5000, BS5514/IEC60034, VDE0530, NEMAMG1.22 and ISO 8528.

- **WARRANTY**
 - All of the Generating Sets should covered under a warranty policy for a period of 12 months. Warranty of the equipment is in line with manufacturer's warranty terms & conditions.
- **Rating Definitions**
 - Prime Power: Variable load. Unlimited hour's usage with an average load factor of 80% of the published prime power over each 24 hour period. A 10% overload is available for 1 hour in every 12 hours of operation.
 - Standby Power: Variable load. Limited to 500 hours annual usage, up to 300 hours of which may be continuous running. No over load is permitted.
- **Canopy:**
 - Providing & Installation of weather & sound proof canopy, Suitable for 100KVA Diesel Generating set of high quality Europe/ Japan/ USA or equivalent made. The Canopy may have the facility of locking and proper Exhaust system.
 -
- **Earthing/ Grounding:**
 - Earthing/ Grounding one for neutral and one for body with resistance of less than one ohm.
- **Foundation Mounting Pad:**
 - RCC type Concrete foundation pad with standard mesh. Foundation pad must be 1 foot high from NSL and 1 foot larger in all the dimension from GenSet must be constructed with concrete strength of 3000PSI at 28 days.
- **Electric Power Cable:**
 - Power cable 95mm 4 core 50 meter and control cable (Pakistan Cables, Fast cable or Newage cable) w/ conduit pipe (UPVC) class-B 45 meter 4 inch (Popular, Beta, Dadex) of appropriate size sufficient for the requirement of Power supply. Payment of Power cable and Pipe will be made as per actual, the actual quantity will be based on the survey at the time of installation
- **Automatic Transfer Switch:**
 - Automatic Transfer Switch (ATS) with manual override for switching between Prime source of power (City Power) and generator set. The ATS must have static battery charger, necessary protection and metering system.

Note:

1. The unit rate for the item/equipment will be considered.
2. The rate of item/equipment must include all charges of transportation, erection, testing and commissioning etc.
3. The rate shall be inclusive of all taxes/duties (Federal/Provincial).
4. For tax exemption, proper tax exemption certificate/evidence shall be provided from the quarter concerned.

Bidder Signature with Date: _____

Package 2(Composite Package)

BOQ/Bill of Quantity

S.No	Item Name and detail	Quantity	Unit
1	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 1KVA ONLINE One Year Standard Warranty of UPS and Battery/batteries from date of commissioning and installation. APC, Vertic & Crown or Equivalent as approved by the committee	31 Quantity can reduce and increase.	Nos
2	Modular Rack for 10 KVA UPS (64 Dry Batteries 40Amp,12v) size on site measurement & as approved by the committee	1	Nos
3	Modular Rack for 6 KVA UPS (32 Dry Batteries 40Amp,12v) size on site measurement & as approved by the committee	2	Nos
4	Electrical cable 7/36 for AC/Earthing/3 Phase wiring as per site requirement. Pakistan, Fast, Allied or equivalent as approved by the committee	as per site requirement	meter
5	Electrical cable for Power plugs 7/29 as per site requirement Pakistan Cables, Fast Cables , Allied or equivalent as approved by the committee	as per site requirement	meter
6	Standard Power Plugs (Multi Socket) with boards of high quality SCHNEIDER, Siemens or equivalent as approved by the committee	25	Nos
7	Main Circuit Breaker 100 Amp 4 pole SCHNEIDER, Siemens or equivalent as approved by the committee	1	Nos
8	Change Over switch 4 pole SCHNEIDER, Siemens or equivalent as approved by the committee	1	Nos
9	Earthing Connectivity for Data Center (complete in all aspects) Equipments as approved by the committee	1	Nos
10	POWER DB Size: 12" * 18" (used for 3 phase wiring) (complete in all aspects) SCHNEIDER, Siemens or equivalent as approved by the committee	1	Nos
11	Circuit Breaker 20 Amp single pole , SCHNEIDER, Siemens or equivalent as approved by the committee	4	Nos
12	Circuit Breaker 16 Amp single pole , SCHNEIDER, Siemens or equivalent as approved by the committee	6	Nos

13	Duct Patii 1 inches , Adam jee or equivalent as approved by the committee	100	Meter
14	Electrification with installing power connectivity, sharing power load uniformly, socket installation, breaker installation, provision of centralized UPS in total 5 computer labs need power connectivity.	Survey required and price should be quoted for complete job for one lab	Survey is mandatory and standard power cables and accessories with warranty shall be used or as sample as approved by the committee
15	LAN establishment at 5 computer labs, the uplink is available only computer need UTP cabling, ducting, switch and RJ45 sockets/ connectors complete job	Survey required and price should be quoted for complete job for one lab	Survey is mandatory and standard power cables and accessories with warranty shall be used or as sample as approved by the committee
6	Duct Patii 2 inches, Adam ji or equivalent as approved by the committee	75	Meter

Package 3 (Desktop Computers and Multimedi Projectors)

1. All-in-One PC (required quantity 45 (optional))

Operating system	Windows 11 or higher
Processor family	12th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-1235U (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) 1 2 Integrated
Graphics	Intel® Iris® Xe Graphics(Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 or i7 processors and single channel memory will only function as Intel® UHD Graphics.)
Memory	8 GB DDR4-3200 MHz RAM (1 x 8 GB) (Transfer rates up to 3200 MT/s.)
Memory Slots	2 SODIMM
Internal Storage	512 GB Intel® PCIe® NVMe™ SSD
Display	60.5 cm (23.8") diagonal, FHD (1920 x 1080), VA, three-sided micro-edge, anti-glare, 250 nits, 72% NTSC 3 4
Touchscreen	No
Screen-to-body ratio (without speakers)	97.5% 5
Colour gamut	72% NTSC
Flicker-free	Yes 6
Wireless	Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 wireless card 7 (MU-MIMO supported)

Network interface	Integrated 10/100/1000 GbE LAN
Form factor	Customized
Keyboard	yes
Audio	Dual 2 W speakers
Expansion slots	2 M.2 (1 for SSD, 1 for WLAN)
Ports	Side 1 USB Type-A 5Gbps signaling rate (Battery Charging 1.2); 1 headphone/microphone combo
	Rear 1 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 1 RJ-45
Video connectors	1 HDMI-out 1.4
Power supply type	65 W Smart AC power adapter
Security management	Kensington MicroSaver lock slot
Warranty	1 year or higher

2. Desktop PC (required quantity 45)

Form Factor	Desktop
Processor	Intel Core i5 12th Generation
Processor Type	Intel Core i5-12400 (2.5 GHz to 4.40 GHz, 18MB Cache) or higher
Memory	8 GB
SSD	512GB
Graphic Card	Intel UHD Graphics
Operating System	Windows 11 or higher
Display Port	No
Audio Port (Out)	Yes
LAN	RJ-45
Wireless	Integrated required
Warranty	1 Year Warranty or more
Any other	Along with all accessories including 18.5" or above display screen

3. Multimedia Projector (required quantity 15)

With 20 meter VGA+20 meter HDMI

Lumens	4000
Native Resolution	1024 x 768
Maximum Resolution	1920 x 1200
Standard Mode Brightness	4000 lm
Native Aspect Ratio	4:03

Compatible Aspect Ratio	16:09
Contrast Ratio	20,000:1
Throw Ratio	1.94 to 2.16 (1295.40 mm@2000 mm)
Digital Zoom	2x
Vertical Keystone Correction	-40/+40
Maximum Vertical Sync	120 Hz
Maximum Horizontal Sync	100 kHz
Minimum Vertical Sync	24 Hz
Minimum Horizontal Sync	15 kHz
Colour Supported	1.07 Billion Colors (30-bit)
Lamp Type	OSRAM
Number of Lamps	1
Lamp Power	220 W
Normal Mode Lamp Life	6000 Hour
Economy Mode Lamp Life	7000 Hour
Extreme 1Eco Mode Lamp Life	10000 Hour
Interfaces/Ports	HDMI
Number of USB Ports	1
USB	Yes
USB Connector Type	1 x Type-A
Composite Video	Yes
Number of VGA Inputs	1
VGA In	Yes
Number of VGA Outputs	1
VGA Out	Yes
Number Of Audio Inputs	1
Number Of Audio Outputs	1
Audio Line In	Yes
Audio Line Out	Yes
Total Number of HDMI Ports	1
Projection System	DLP
Projection Method	Front, Rear, Ceiling, Rear ceiling
Video Compatibility	NTSC, PAL, SECAM, HDTV, EDTV, SDTV
Computer Compatibility	Windows PC, Mac OC, Linux PC
Number of Speakers	1
Speaker Output Power	3W
Speaker Output Mode	Mono
Power Supply	100 V AC ~ 240 V AC
Input Voltage	120 V AC
Operating Power Consumption	275 W
Form Factor	Ceiling Mountable
Warranty	One year or more

Package 4 (Computer Tables and Glass Partition)

1. Computer table for computer laboratories. The total number will be approximately 200 tables long with chairs. The Quantity may increase or decrease as the sizes of the laboratories varies. The same can be seen and surveys will be mandatory for actual quantity. The picture below shows the idea, How we want the table should look like: the picture shows imported but we need local made with similar structure.



Note: The tables should be so designed that any type of arrangement is possible, meaning the lab could be arranged in a U shape or Against the Wall or Horizontal Rows.

Price Shall be quoted for a single Table.

2. Computer Chairs for computer laboratories. The total number will be approximately 200 chairs. The Quantity may increase or decrease as the sizes of the laboratories varies. The same can be seen and surveys will be mandatory for actual quantity. The chair should have steel structure as the student will use it and strength is necessary. Samples can be seen in the department.

Price Shall be quoted for a single Chair.

3. Glass Partition with Aluminum Base

The price shall be quoted for the complete job, which includes partitioning along with access doors. Complete job in all respect. The Rate should be quoted as per sft and payment will be as per actual quantity installed at premises. In order to get clear idea of the job and quantities. Survey is Mandatory

Price Shall be quoted in Rs _____ Per Sft including all taxes.

Terms & Conditions

1. Rates should be quoted against each item desired for bid.
2. Income Tax and Sale Tax shall be deducted at source as per rules.
3. In case of non-supply of required item(s) mentioned in the Tender documents, CDR will be forfeited in favor of the University.
4. The number of items can be increased or decreased with the approval of the Competent Authority.
5. No tender or bid shall be entertained without deposit of Tender fee @ Rs.2000/- in favor of Treasurer Abbottabad University of Science & Technology.
6. No alternate rate shall be provided for the items/ equipment.
7. No tender/bid shall be accepted without tender application form duly signed by the firm.
8. The Competent Authority reserves the right to accept or reject any or all of tenders processed by assigning any reason (s) (as per KPPRA Rules).
9. No over writing/ cutting/ corrections or interpolation will be allowed in the BOQ's/ Quotations/ bids, if any.
10. The bidders must submit Non-Black List Certificate (confirming that bidder has never been blacklisted by any Government/Semi Government Organization) along with their offer, failing which their offer will be rejected.
11. Conditional/incomplete tenders will not be accepted.
12. For the sake of GENUINENESS of the quoted equipment, bidders must produce Manufacturer's Authorization Letter/Sole Distributor certificate or Authorize Dealer certificate along with Tender Documents
13. Warranty: The warranty period of at least 01 (one) year is mandatory to be mentioned in the quotations. The security will be withheld till completion of warranty period. Furthermore, the firm will be responsible within the warranty period for repair/maintenance of items in the light of rule No.13 of KP Procurement of Goods Works and Services rules 2014.
14. Bid Validity: The bid prices must be valid for at least 90 days from the date of Tender opening. Bid extension if needed will be given as per rules.
15. Delivery Schedule: The successful bidder will be bound to complete supply of items in stipulated time as given in the supply order otherwise penalty at the rate of 1.5% per day late supply for the first 10 days and 4% for the subsequent period will be imposed accordingly.
16. Payment Schedule: Payment to the supplier will be released in 45 days subject to satisfactory inspection report from end user/Head of department/expert for the item/equipment.
17. Earnest Money: 2% earnest money in shape of CDR shall be deposited in the name of Treasurer, Abbottabad University of Science & Technology, failing which the bid document will not be entertained. The bid security of unsuccessful bidder(s) will be returned after award of supply order to the successful bidder(s), while CDR to the successful bidder(s) will be released after execution of the order/contract/payment.
18. Late submission of Bid(s): Any bid received after the prescribed date and time for Submission of bids shall be returned unopened to the bidders.
19. Disqualification of Supplier and Contractors: Abbottabad University of Science & Technology shall disqualify a supplier/ contract or if it finds at any time that the information submitted by him concerning his qualification as supplier/contractor was false and materially inaccurate or incomplete.
20. Rejection of Bid(s): According to rule No.47 of KP Procurement of Goods Works and Services rules 2014, Abbottabad University of Science & Technology, may reject all bids or proposal at any time prior to the acceptance of bid/proposal.

Acceptance of Bid(s): The bidder with lowest evaluated bid if not in conflict with any other law, rules, regulation or policy of the Government of Pakistan shall be awarded the procurement contract

Bidder Signature with Date: _____

Instructions to Bidders

1. Bid security shall be kept sealed in the Financial Proposal, in addition, keep on affidavit in the Technical Proposal stating that the bid security amounting to 2% without indicating the figure in the letter has been placed in the Financial Proposal, otherwise the technical proposal will be considered non-responsive and will be returned to the bidder after being examined by the procurement committee.
2. The Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the Financial Proposal and technical Proposal,
3. The envelope shall be marked as “FINANCIAL PROPOSAL AND TECHNICAL PROPOSAL” in Bold letters.
4. All communications and documentation related to procurements shall either be in Urdu or English or both as per rule No.4 of KP Procurement of Goods Works and Services rules 2014.
5. The rates/prices/offer in the tender document should be in Pakistani Currency (PKR). The rate for each item shall be inclusive of all taxes. (if any).
6. Relevant brochure/written literature of the item/equipment must be closed with the bid document duly signed by the bidder.
7. All the tender document/quotation/brochure (if any) must be signed by the bidder.
8. Optional items/equipment will be considered as per the rules.
9. The firms must write on the corner of the envelope the name of the items/equipment applied for.
10. The bidder(s) shall bear all cost associated with the preparation and delivery of their bids, and the Purchaser will in no case be responsible or liable for those costs.
11. In case of any doubt as to the meaning of any portion of the Specifications or other Terms and Conditions, bidder(s) may seek clarification of the same in writing, before submission of bid(s) prescribed by the Purchaser.
12. The purchaser will neither take any responsibility for collecting the bids from any agency nor late submission of bids through courier services will be pertained.
13. The Purchaser reserves the right to increase or decrease the quantities or may cancel any or all items shown in the Schedule of Requirement without assigning any reason thereof.
14. The Purchaser reserves the right to have the items inspected by its own representative, or by 3rd party at its own cost (if required).

15. The Purchaser reserves the right to accept or reject any bid prior to award of Purchase Order without any reason. However, AUST shall upon request communicate to any bidder(s) who submitted a bid, the grounds for its rejection, but it is not required to justify those grounds.
16. Unsolicited advice/clarifications and personal approaches by the bidder(s) at any stage of evaluation are strictly prohibited and shall lead to disqualification.
17. The bidder(s) are expected to examine all instructions, terms & conditions, forms, specifications in the Bidding Documents and abide by thereof.
18. Refurbished, Grey, used, open box or smuggled products will not be accepted in any case.
19. Blacklisting of the firm/company will be made on various grounds i.e., provision of fake documents, non-compliance to terms and conditions, withdrawal of bid during validity period, refusal /failure of signing contract, repeated non-performance, indulge in fraud and corruption, unethical behavior with University officials.
20. Provision of sample is obligatory for the bidder in due course of time, if mentioned in supply order, and if the firm fails to provide the sample, then the firm will be excluded from the tender and CDR will be forfeited in favor of Treasurer AUST.
21. The training/installation/calibration (if any) for the equipment at the University will be arranged free of cost by the firm/supplier.
22. Survey is mandatory before pre bid meeting and the same will be helpful specially in electrification, Generator, UTP LAN in labs and Furniture.
23. Only branded equipment imported through the proper channel will be accepted along with the bill of entry.
24. The University reserves the right to verify any attached document from its source or other entities.
25. University can decrease or increase quantity as per site requirement, payment will be made as per consumed quantities at site or university premises.
26. Supply, Installation, testing and commissioning of a above mentioned items of work (unless specifically stated otherwise) including all material, transportation, all labor, tools accessories etc., required for proper completion of each item as per specification and as per approved by technical committee.
27. Contractor/ supplier is bound to provide test reports, such as Fluke, others as required based on the requirement of the committee.

28. Refurbished, outdated or grey smuggled products will not be accepted.

29. University reserves the right to drop any items given in the tender without assigning any reason and reserves the right to reject any or all bids.

Bidder Signature with Date: _____

Method of Procurement

The method of procurement adopted by Abbottabad University of Science & Technology, will be Single Stage – Two Envelope Procedure for selection of the firm. The bidder should submit 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”. Initially only the envelope marked Technical Proposal shall be opened, while the Financial Proposal shall be retained in the custody of Procurement Committee for Goods without being opened. The Purchase Committee shall evaluate the Technical Proposal against the evaluation criteria set for the equipment/item. The Financial Proposal of the technically successful bidder(s) shall be opened at a time, date and venue announced/communicated to the bidders in advance. The bid found to be the lowest evaluated shall be accepted, while the financial proposal of bids found technically non-responsive shall be returned unopened to the respective bidders.

Bidder Signature with Date: _____

Technical Evaluation Criteria of the Bid

BID Evaluation Criteria

1. For Generators

S.No.	Description	MARKS
1	The firm only reputed and original manufacturer of complete 100 & 30 KVADG set including Engine, Alternator and accessories or manufacturer's authorized supplier/service provider of the same is eligible to participate in the tender. Sufficient and adequate proof in support of the above in the technical proposal. Note:- No assembler or reseller shall be considered. Combination of different makes of engine and Alternator is strictly Not acceptable. For Desktop and other accessories	20
2	Credential of supply and installation of at least 05 Nos. 100 & 30 KVA DG set to Centre, state, defense, public sector or national institution during the last 03 years. Copies of work order/ completion Certificates are to be attached.	10
3	Availability of authorized service center/repair and maintenance facility in Peshawar/Islamabad/Rawalpindi. Address And contact detail are to be attached.	10
4	Detail of competent testing authority for certification of equipment parameters and performance guarantee of the DG sets. Schedule of principal items which the Tenderer proposes to supply.	10
5	Trading License, PEC License, and tax payer registration certificate	15
6	Spare parts availability(the firm or its principal has spare parts depot/facility in the area inconsideration.	15
7	Proof of registration with Federal or Provincial registration Act	10
8	Technical Staff posted in the zone inconsideration	10
	Total	100

2. For Computer, Network and other Accessories

S.No.	Description	MARKS
1	The firm should be authorized principal or re seller of the product quoted. Proof will be required. Authorized Principal: 20 Reseller : 15	20

2	Credential of supply and installation of at least similar nature item and work in de defense, public sector or national institution during the last 02 years. Copies of work order/ completion Certificates are to be attached.	10
3	Availability of authorized service center/repair and maintenance facility in Peshawar/Islamabad/Rawalpindi. Address And contact detail is to be attached.	10
4	Technical brochures/ Data Sheets for the hardware and Licensed software to be provided. Stamped and linked with product principal website or other so that it could be verified	10
5	NTN Certificate. 2. GST Certificate. 3. On Active Taxpayers List of FBR. 4. Registration/ Incorporation/ Business Certificate and number of business years in Pakistan.	15
6	Spare parts availability (the firm or its principal has spare parts depot/facility in the area inconsideration.	15
7	Proof of registration with Federal or Provincial registration Act	10
8	Technical Staff posted in the zone inconsideration	10
	Total	100

Note:-

- I. Qualification Marks for financial bid opening are 70 out of 100 marks.
- II. Contract shall be awarded to the bidder whose bid is responsive and is determined as the best evaluated bid.
- III. 70:30 (Technical: Financial) ratio shall be applied for the subject procurement.

Financial Evaluation:

The bid with the lowest price will be given a score of 100 while the other proposals will be given scores that are inversely proportional to the lowest cost bid using the formula asunder:

$$\text{Lowest Bid Price} \div \text{Bid Price} \times 30 = \text{Financial Score Combined Technical and Financial Score}$$

A total score for each bid will be obtained by adding technical score weight age and financial score weight age. Technical Score shall be given 70% Weight age and Financial Score shall be given 30% weight age. Tender will be awarded to highest ranked firm whose bid is responsive in terms of technical and financial as best evaluated bid.

Bidder Signature with Date: _____

ANNEXURE-C

PROPOSAL SUBMISSION FORM

To

Subject:“**SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF GENERATORS, UPS, UTP, COMPUTER TABLES, POWER CABLING & DESKTOP COMPUTERS FOR COMPUTER LABORATORIES**” (PACKAGE WISE) ” UNDER PROJECT TITLED” “UPGRADATION OF HAZARA UNIVERSITY CAMPUS TO FULLFLEDGE UNIVERSITY HAVELIAN”

Dear Sir,

1. Having examined the tender document and Appendixes we, the undersigned, in conformity with the said document, offer to provide the said items/ services on terms of reference to be signed upon the award of contract for the sum indicated as per Price Schedule.
2. We undertake, if our proposal is accepted, to provide the items/services comprised in the contract within the time frame specified, starting from the date of receipt of notification of award from the University.
3. We agree to abide by this proposal, and it shall remain binding upon us and may be accepted at any time before the expiration of the time period mentioned in the tender document.
4. We agree to execute a contract in the form to be communicated by the Abbottabad University of Science & Technology (AUST) Havelian, incorporating all agreements with such alterations or additions thereto as may be necessary to adopt such agreement to the circumstances of the standard.
5. We understand that the University is not bound to accept a lowest or any bid which may be received, not to give any reason for rejection of any bid and that you will not defray any expenses incurred by us in bidding.
6. The technical bid and financial bids are enclosed in separate envelopes and marked accordingly. Both the envelopes are packed in a single envelope. Covering letter of each proposal is attached.

Authorized Signatures with Official Seal: _____

ANNEXURE-D

FINANCIAL PROPOSAL SUBMISSION FORM

To,

Dear Sir,

We, the undersigned, offer to provide the (Supply, installation, testing and commissioning etc.) in accordance with your Bidding Documents (insert project name). dated_ (insert date) _.Our attached Proposal is for the sum of_ (insert amount in words and figures) _.This amount is inclusive of all taxes.

Our Proposal shall be binding upon us upto expiration of the validity period of the Proposal.

We also declare that the Government of Pakistan has not declared us blacklisted on charges of engaging incorrupt, fraudulent, collusive, or coercive practices. We furthermore, pledge not to indulge in such practices in competing for or in executing the Contract and are aware of the relevant provisions of the Bidding Document.

We understand that the financial bids of only technically qualified firm will be opened for each package, otherwise the same will be returned unopened and the lowest bid will be accepted for each package. We also understand that if, in case, only one item rate is not mentioned in quotation for such package, in which quoting of rates of all items is mandatory, then, in such case, bid of the respective package will be rejected by the University.

Yours sincerely,

Authorized Signature (Original)

(Infull and initials)

Name and Designation of Signatory

Name of Firm

Address

ANNEXURE-E

POWER OF ATTORNEY
(On Stamp Paper of relevant value)

Know all men by these presents, we (name of the company and address of the registered office) do hereby appoint and authorize Mr. (full name and residential address) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for supply, installation, testing and commissioning of IT in response to the tenders invited by the Abbottabad University of Science & Technology (AUST) Havelian including signing and submission of all documents and providing information/responses to Abbottabad University of Science & Technology (AUST) Havelian in all matters in connection with our Bid.

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

(Signature)

(Name, Designation and Address)

Accepted (Signature)

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

Quotation Value in Figures (in PKR with all taxes & duties for items above): _____

Quotation Value in Words (in PKR including all items above): _____

Name & Designation of Authorized Person: _____

Signature: _____ (Please affix company stamp here)

F. AFFADAVIT/CERTIFICATE

(To be filled and signed by the bidder on Stamped Paper of Rs. 100/-)

We undertake that our Firm M/Shas been never black listed by any Government Department/Agency/Private Organization in any part of Khyber Pakhtunkhwa/Pakistan and that currently our firm/company is not in litigation with any other authority or organization in this capacity. We hereby confirm to have read carefully complete descriptions of the items and all terms & conditions in the bidding documents. We agree to abide by all these terms, conditions, stipulations, obligations and instructions in the bidding/tender document. In case of any dispute, decision of the Procurement Committee of Abbottabad UST, Havelian, Abbottabad would be final and I/we undertake to accept any or all decisions of the committee with respect to acceptance and rejection of our bid, in part or in whole, and that such a decision shall not be appealable in any court of law at any time and at any stage. I/we solemnly affirm and declare that contents of this undertaking are true to the best of my information, knowledge and belief.

Signature: Name: Designation:

Company Name: Company Seal: Date: