



GOVERNMENT COLLEGE UNIVERSITY FAISALABAD

TENDER DOCUMENT No. 760/17/2023

SUPPLY OF LAB EQUIPMENT FOR DEPARTMENT OF ELECTRICAL ENGINEERING & TECHNOLOGY, GCUF

Sealed Tenders are invited from the well-reputed firms / suppliers, who are registered with Sales Tax and Income Tax Department as Active Tax Payer for the Supply of Lab Equipment for department of Electrical Engineering & Technology, GCUF.

GENERAL TERMS & CONDITIONS

1. Tender Opening Date & Procedure:

- 1.1 The procurement shall be completed in accordance with Punjab Procurement Rules 2014, on **Single Stage – Two Envelope** Bidding Procedure. (Technical & Financial proposal separately).
- 1.2 Bids in complete conformity with Tender Documents will be dropped in Tender Box placed at Directorate of Procurement of the GCUF, not later than cut-off date & time at **11:00 Hrs on 05.12.2023.**
- 1.3 Technical bid shall be opened first on the same day at **11:30 Hours** at the office of Director Procurement & Inventory Control (in CPC Meeting) in the presence of the authorized representatives of the responding firms/companies, who care to participate. The representatives of the responding firms/companies must have an authorization letter from the firm on their letterheads to participate.
- 1.4 Financial bids of the technically accepted firms will be opened. However, the financial bids of the technically disqualified bidders will be returned unopened.

Note:

- *Tender Number must be mentioned on envelope.*
- *Both Technical and financial proposal shall be written in the letter head of the company /firm along with other prescribed documents.*
- *All pages of the bid must be properly counter signed.*

2. Tender Fee & Bid Security

- 2.1 The Technical Bid must be accompanied by Tender Fee of Rs:1,000/- (Non-Refundable) in shape of Call Deposit Receipt (CDR) in original.
- 2.2 The Financial Bid must be accompanied by 2% of Estimated Price i.e; Rs.2,044,280/- (refundable) in shape of Call Deposit Receipt (CDR) in original.
- 2.3 CDRs must be in favor of Treasurer, Government College University, Faisalabad

3. Bid Validity

- 3.1 All bids and prices shall be valid for 120 days from the opening date of tender.
- 3.2 Withdrawal / modification of the original offer within the validity period shall entitle the University to forfeit Bid Security.
- 3.3 All prices should be quoted on the letter head of the bidder in Pak Rupees inclusive of all applicable Government taxes, transportation, commissioning, installation, affixation & testing cost etc;
- 3.4 The earnest money to the successful bidder will be released after delivery/installation/affixation of required equipment.
- 3.5 The warranty period of Lab Equipment shall be as manufacturer's warranty.

4. Supporting Documents: -

Bid of a supplier/firm will be considered if following supporting documents are annexed.

- 4.1 The bidder must provide company profile, name and address of the company with financial status and chief executives (or any other authorized persons).
- 4.2 The firm must provide record of relevant experience of 03 years in relevant line of business. Supply / Work Orders must be attached.
- 4.3 Copy of National Tax Registration certificate and proof of filer.
- 4.4 Copy of Sales Tax Registration certificate and proof of filer.
- 4.5 Copy of Professional Tax Certificate.
- 4.5 An affidavit on Rs. 100/- stamp paper that currently firm is not blacklisted or debarred by any Government/Semi-Government department to participate in bidding.
- 4.6 Tender Fee (Non-Refundable) and 2% of Estimated Price (refundable) in shape of Call Deposit Receipt (CDR) in original and must be issued from Payees Account only.

5. Failures and Terminations:

No bid of a supplier / firm will be considered if:-

- 5.1 Bid received without Bid Security / Call Deposit.
- 5.2 Bids received with cheque.
- 5.3 Bid received later than the date and time fixed for tender.
- 5.4 Bid is conditional, ambiguous or incomplete.
- 5.5 Bid from a firm which is black listed at any level.
- 5.6 Any supplementary or revised offer after opening of the tender.
- 5.7 The supplier fails to deliver the consignment within specified delivery period strictly in accordance with the terms and conditions as laid down in the Purchase Order.
- 5.8 If any punitive situation warranted, then University is authorized to forfeit the bid Security and the firm may also be black listed.

6. Mode of Delivery:-

- 6.1 The delivery shall only be accepted at GCUF premises with loading /unloading.
- 6.2 Upon the successful supply, fixation, placing, installation, demonstration and inspection carried out by the end user department, the said bidder shall submit all necessary documents for payment of bill directly to DP&IC along with delivery challan/Certificate duly signed & stamped by the authorized person of department within stipulated period.
- 6.3 If the bidder is authorized for any exemption of taxes (Sales Tax/Income Tax), shall claim it in the financial proposal and submit relevant documents along with bill for payment.

7 Other special conditions

- 7.1 Any overwriting/crossing etc. in the bid should be properly counter signed by the person signing the bid. All pages of the bid must be properly countersigned.
- 7.2 The decision of the Central Purchase Committee will be binding on all concerned and will in no case be challenged on any forum court/law.
- 7.3 The warranty period for the supplied items shall be declared one year on final inspection of the Committee and end user. However, this warranty period may be extended if deemed necessary due to unavoidable circumstances.
- 7.4 In case the successful bidder fails to supply the goods strictly in accordance with the terms and conditions laid down in the supply order/bidding documents or fail to provide the required maintenance in a satisfactory manner, the security deposited by him shall be forfeited and requisite store equipment, etc will be purchased and professional service hired at his risk and expenses.
- 7.5 LDC (Late delivery Charges) penalty shall be imposed @2% per month of delay upto maximum of 10% of total price.
- 7.6 In case any material is found not in conformity with specifications provided in the tender, either on account of inferior quality, defective workmanship, faulty design, faulty packing or is short supplied, or wrongly supplied, the supplier will replace the same upon free of charges or pay the full cost of replacement besides LD charges.
- 7.7 No partial/advance payment shall be made against partial supply.
- 7.8 All bids & bidders will be governed by PPRA Rules 2014 as and when amended.
- 7.9 The University may reject all bids/proposals at any time prior to the acceptance of a bid or proposal as per PPRA Punjab rule 35, however upon bidder request the ground of rejection will be communicated to the concerned but no justification will be given as per PPRA rule 35 (2).

Director

Procurement & Inventory Control

Allama Iqbal Road Faisalabad, Phone: 041-9201468

ISSUED TO:

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TENDER DOCUMENT No. 760/17/2023

SUPPLY OF LAB EQUIPMENT FOR DEPARTMENT OF ELECTRICAL ENGINEERING & TECHNOLOGY, GCUF

List of equipment's with technical specification for Control & Instrumentation Lab of Electrical Engineering Department GCUF

Sr No	Name of Equipment	Technical Specifications OR Equivalent	Qty.	Unit Price Including Taxes Rs.	Total Price Rs.
1	DC Servo Motor Control Trainer	Technical Features: • DC Motor of 12 Volt or 24 Volt • Peak current limit within the range of 1.0 ~ 3.0 A • Speed sensor (1000 lines/revolution) based on optical encoder • Optocoupler Circuit i.e. Isolation for Safety attached with control unit • DC-DC PWM converter (Two Quadrant Chopper) • Compatible Inputs for transistor-transistor logic and complementary metal-oxide semiconductor • Position control, torque control of PMDC Motor and speed control based on P, PI, PID Controller • PC interface and communication for Motor control *Warranty of module and proper training for the operation is essential	2		
2	AC Servo Motor Control Trainer	Technical Features: • AC Servo motor 90W~120W • Rated Speed of 2500~3500 RPM • AC servo driver • 14-bit/17-bit encoder for feedback requirement • Velocity Response: 1KHz • Bipolar analog input control signals over the range of -10V to +10V. • Control Outputs: Phase Output • Position, Velocity & Torque Control Modes • Closed Loop Control of Position & Velocity *Warranty of module and proper training for the	2		

		operation is essential			
3	Programmable Logic Control Trainer (Siemens Based)	Technical Features: • Siemens PLC (CPU 1215C) • 14 Digital Inputs • 10 Digital Outputs • 2 Analog Inputs • 1~2 Analog Outputs • Power supply input:120/230 V (AC) • DC output Voltage 0 – 24V • USB or Ethernet PC interface • Window-based programming software supported • Accessories: Patch Cords, Power Cord, Experiment Manual, IDC Cable, PC Programming Cable, Software CD *Warranty of module and proper training for the operation is essential	2		
All Application Modules Unit (One set) Application Modules for Programmable Logic Control Trainer: a) Motor Control By PLC b) Traffic Light Control By PLC c) Temperature Control By PLC d) Water Level Control By PLC e) Conveyor Control By PLC f) Elevator Control By PLC *Warranty of all modules and proper training for the operation is essential			2		
a	Motor Control By PLC	Technical Features: • The module includes R/C Servo Motor, Stepper Motor and DC Motor			

		• Digital Hall Effect Encoders and Opto-interrupter Encoder • Dual H-Bridge Motor Driver • Signal Conditioning module consist of PWM Generator and Frequency to Voltage Converter circuit. • Compatible with PLC Based Module • Accessories: User Manual, IDC Cable, Sample Program& Patch Cords			
b	Traffic Signal Control By PLC	Technical Features: • The traffic signal contains the arrangements and combinations of Red, Yellow & Green lights • Multiple Digital Output from PLC • 40-pin IDC Interface Connector • Compatible with PLC Based Module • Accessories: User Manual, IDC Cable&Sample Program			
c	Temperature control by PLC	Technical Features: • Multiple Resistor Type Heater • 12-24 Volt DC Fan • Digital Voltmeter and Digital Ammeter • Voltage and Current Analog Inputs • Fan ON/OFF and Heater ON/OFF Outputs • Temperature Sensors • 40-pin IDC Interface Connector: • Compatible with PLC Based Module • Accessories: User Manual, IDC Cable, Sample Program& Patch Cords			
d	Water Level Control By PLC	Technical Features: • Level and Output Valves Input Signals • 2No. Pump Drives Output Signals • Analog Output to Drive Level Indicators • Interface Connector: 40-pin IDC • Compatible with PLC Based Module • Accessories: User Manual, IDC Cable& Sample Program			
e	Conveyor Control By PLC	Technical Features: • Conveyor Belt of 180-220 mm attachment with DC Gear Motor • IR & Proximity sensors • LED & Buzzer Indicators • Multi Control of Auto or Manual, Forward or Reverse • PLC Digital Inputs • PLC Digital Outputs • 40-pin IDC Interface Connector • Compatible with PLC Based Module • Accessories: User Manual, IDC Cable&			

		Sample Program			
f	Elevator Control By PLC	Technical Features: • Multi-level floor Elevator, with LED display indicators • Tactile call switch and LEDs Call Indicator • Must include Elevator Direction Indicator • Elevator Door Indicator: 8X8 Dual Color Dot Matrix • Digital Inputs of Call Switches, and Internal Panel Floor Switch • Digital Outputs of Floor Indicator, Door Indicator, UP, DOWN and Call Switch Indicators • 40-pin IDC Interface Connector • Compatible with PLC Based Module • Accessories: User Manual, IDC Cable& Sample Program			
Total Cost of Lab					

No_____ **Amount**_____ **Name of Bidder**_____

Name of the Firm & Address _____ **Ph No**_____

Bank_____ **Branch**_____ **City**_____ **CNIC No** _____

Name of the Firm & Address _____ **Ph No**_____

N.T.No. _____ **Sales Tax No.**_____

Issued By:

Director
Procurement & Inventory Control
Allama Iqbal Road Faisalabad, Phone: 041-9201468