

GOVERNMENT COLLEGE UNIVERSITY FAISALABAD



TENDER DOCUMENT No. Phy/02/2020

SUPPLY OF LAB EQUIPMENT FOR DEPARTMENT OF PHYSICS, 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 Purchase of Lab Equipment for Department of PHYSICS, 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 Physic Department of the GCUF, not later than cut-off date & time at **10:00 Hrs on 20.08.2020.**
- 1.3 Technical bid shall be opened first on the same day at **10:30 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 cares 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:2000/- (Non-Refundable) in shape of Call Deposit Receipt (CDR) in original.
- 2.2 The Financial Bid must be accompanied by 2% of Current Estimated Price i.e; Rs. 3397914/- (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 90 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 For successful bidder, 10 % of each claim (non-consumable items) will be deducted as security deposit to be released after successful expiry of the warranty period.

4. Supporting Documents: -

Bid of a supplier/firm will not be considered if following supporting documents are annexed.

4.1 The bidder must provide company profile, name and address of the company with details of staff (or any other authorized persons).

4.2 The firm must provide record of experience in relevant line of business.

4.3 Copy of National Tax Registration certificate and proof of filer (Active Tax Payer).

4.4 Copy of Sales Tax Registration certificate and proof of filer (Active Tax Payer).

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 or bank guarantee.

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 at firm's cost.
- 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 short supplied, or wrongly supplied, the supplier will replace the same 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).

Appendix “A”**TENDER NOTICE No. Phy/02/2020****SUPPLY OF LAB EQUIPMENT FOR DEPARTMENT OF PHYSICS**

Sr #	Item	Specifications or equivalent	Qty	Unit Price	Total Price
01	Biological Inverted Microscope	Specifications: High Resolution Eyepiece: WF10X/22mm (adjustable) Centering telescope Seidentopf Trinocular Head: Inclined 45°, interpupillary distance: 48-76mm Light distribution (both): 100:0 (100% for eyepiece) 80:20 (80% for trinocular head, and 20% for eyepiece) Nosepiece: Quintuple Main Body (including left & right supporting arm plate, 4 piece of Allen screws & a wrench). Eyepiece WF10×/ø20 Eyepiece WF16×/ø14 Centering Eyepiece DZ11× Plan Article Eyepiece PF10× LWD Infinity Plan Phase Contrast Objectives Cover glass1.1mm: LPL Ph P 10×/0.25 W.D.=9.3mm LPL Ph P 20×/0.40 W.D.=8.2mm LPL Ph P 40×/0.60 W.D.=4.4mm Annular Spot: 12×/22×/ 45 Culture Dish Holder: 80mm, 70mm, 50mm Condenser: 4-hole rotating disc phase contrast condenser N.A.0.4, W.D.45mm, It can be up-down adjusting. Koehler Illumination: 5WLED, input voltage : 100V~240V Filter Blue Green, Amber / Grey Achromatic Objective 10/0.25,160/1.5,W.D.=7.9mm Plan Achromatic Objective 25/0.40,160/1.5,W.D.=5mm	01		

		Plan Achromatic Objective 40/0.60,160/1.5,W.D.=3mm Plan Positive Phase Objective 10/0.25,160/1.5,W.D.=7.9mm Plan Positive Phase Objective 10/0.40,160/1.5,W.D.=5mm Halogen Tungsten Lamp 6V20W (G4) Photo Adaptor With Photo Eyepiece S5× Movable Condenser Insert Plate Seidentopf Binocular Head (inclined 45°) Annular Spot 25× Cultural Flask (bottom thickness 1.5mm) Cultural Vessel (bottom thickness 1.5mm) Stage clips & inserts CCD Camera 15mega pixel 5/3" Format, Monochrome or Color CCD Sensor (On Semi KAI-08051M or KAI-08051-FBA) for Large Field of View. With Desktop Computer, Printer & Software & other accessories																									
02	Centrifuge	Specifications Microprocessor Controller & Running display RPM, RCF, Time, Tepm., Temp. limit, Program, Accel/Decel time, Rotor Number, Rotor Radius, w2df, Self Test <table><tr><td>Max. Speed</td><td>5000r/min</td></tr><tr><td>Max. RCF</td><td>2300×g</td></tr><tr><td>Max. Capacity</td><td>28*12ml</td></tr><tr><td>Speed Precision</td><td>±10rpm</td></tr><tr><td>Timing Range</td><td>0~999min</td></tr><tr><td>Power Supply</td><td>AC 220V/110V, 50Hz/60</td></tr><tr><td>Rated Power</td><td>280W</td></tr><tr><td>No.</td><td>Rotor</td><td>Capacity</td><td>MaxSpeed (r/min)</td></tr><tr><td>No.1</td><td>Angle</td><td>12*20ml</td><td>5000</td></tr></table>	Max. Speed	5000r/min	Max. RCF	2300×g	Max. Capacity	28*12ml	Speed Precision	±10rpm	Timing Range	0~999min	Power Supply	AC 220V/110V, 50Hz/60	Rated Power	280W	No.	Rotor	Capacity	MaxSpeed (r/min)	No.1	Angle	12*20ml	5000	01		
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			Rotor						
		No.2	Angle Rotor	18*10ml	5000			2300	
		No.3	Angle Rotor	24*10 ml	5000			2300	
03	CO ₂ Incubator	Capacity: 80L Heating by Air Internal Size(W*D*H)mm: 480*580*550 Temp. Range: RT +5 ~ 90 °C Programmable PID controller, LED display Control Type: Temperature and humidity transmitter Equipped with USB port and LCD touch screen, the incubator can save data in real time. High quality infrared sensor for accurate CO2 concentration Temp. Fluctuation: ≤ ±0.1°C at 37°C Temp. Uniformity: ≤ ±0.2 °C at 37°C Time Setting: 999h or continuous Alarm Audible and visual alarm; Over-temperature alarm; CO2 Concentration alarm. Shelves 2 pcs/ adjustable Material: External cold-rolled steel with painting; internal stainless steel CO2 Range: none dispersive infrared ,range 0~30% CO2 Control Resolution 0.1% Humidification Type: Waterreservoir in the bottom chamber ensures high humidity (90%≤relative humidity≤99%) Four Liters water reservoir in the bottom chamber Sterilization Type: With 90°Cmoist heat decontamination function (95%≤humidity≤99%RH) Ambient Temp. & Humidity: 18~40°C,suggest 25±2°C; relative humidity				01			

		$\leq 80\%$ Power Supply 220V & 50/60Hz			
04	Spectro- photometer	Spectral		01	
		Optical System	Single Beam, Grating 1200 lines/mm		
		Wavelength Range	190~1100nm		
		Spectral Bandwidth	2nm		
		Wavelength Accuracy	$\pm 0.1\text{nm}$		
		Wavelength Repeatability	$\leq 0.1\text{nm}$		
		Photometric Accuracy	$\pm 0.002\text{A}$ (0~0.5Abs), $\pm 0.004\text{A}$ (0.5~1.0Abs)		
		Photometric Repeatability	0.001Abs (0~0.5Abs)		
		Stray Light	$\leq 0.05\% \text{ T @ } 360\text{nm};$ 220nm		
		Stability	$\pm 0.001\text{A} / \text{h @}$ 500nm		
		Baseline Flatness	$\pm 0.002\text{A}$		
		Noise	$\pm 0.0005\text{A}$		
		Display	480 * 272 65 thousand true color TFT LCD		
		Photometric Mode	T, A, C, E		
		Photometric Range	0~200% T, -0.301~ 3.0A		
		Detector	Silicon Photodiode		
		Light Source	Deuterium Lamp, Tungsten Lamp		
		Input	Membrane Keypad		
		Output	USB Print and data output, Connect PC		
		Standard Accessories	10mm glass cuvette *4 units		

		10mm quartz cuvette *2 units, software,				
		1, Photometry Test Abs., Transmittance and Energy by fixed wavelength 2, Quantitative Linear fit and Linear fit through zero tw o modes a. Coefficient, Standard Sample input a nd Standard Sample read three modes t o establish standard curve. b. Establish $A=K_1 \cdot C + K_0$, can search ori ginal data, graph curve, parameters sett ings c. Can save 240 group curves, can test 2 40 data in each curve 3, Kinetics Used for time course scanning or reactio n rate calculations $\Delta A/t$, can search all dat a. 4, Multi-Wavelength Can test Transmittance and Abs. with 8 different wavelengths at most PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics, Spectrum Scanning, DNA/Protein test for PC Series				
05	Laminar Flow Cabinet	Digital Control with LED display Internal Size (W*D*H), mm 900*630*640 Work Surface Height 700mm Airflow Velocity Average of 0.2~0.6m/s, air speed adjustable. Pre-filter Polyester fiber, washable HEPA Filter 99.999% efficiency at 0.3um Front Window Manual, 6mm toughened glass, anti-UV Max Opening 500mm Illuminating Lamp LED Lamp 9W*1 UV Lamp 30W*1	01			

		Emission of 253.7 nanometers Standard Accessories: LED Lamp UV lamp*2 Base stand, Fluorescent lamp 1pc. Warranty Two Year			
Total Price					

Details of Call Deposit Receipt (CDR)

Signature_____

No_____ Amount_____

Name of Bidder_____

Bank_____ Branch_____ City_____

CNIC No _____

Name of the Firm & Address _____ Ph No _____

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

Issued By:

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