



THURSDAY, JUNE 24, 2021



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The Government
Sadiq College Women
University Bahawalpur Pakistan



TENDER NOTICE # 33/2020-21(Project)

Sealed Tenders are invited from the GST & Income Tax registered Firms/Distributors/Dealers/Suppliers for the Govt. Sadiq College Women University Bahawalpur as per detail given below for the Financial Year (2020-21) which may reach the office of the under-signed on or before **12/07/2021** (Monday) till **11:00 A.M.** and the opening of the bid(s) will be at the same day at **11:30 A.M.** in the presence of the representative of the competitive firms in the office of Chairperson Purchase Committee. Rates should be quoted on FOR basis.

Sr. #	Category/Item Name [Chemistry Deptt.]	Estimated Price (Rupee in Million)	2% Security on Estimated Price (Rs.)
A	Chemistry Laboratory Equipment (Specifications/Quantity/detail of items are in bidding document)	=49.053/-	=981,060/-

- Sealed tenders/bids shall be accepted only against on tender document to be collected from office on payment of Rs.1000/- through Call Deposit/Challan as tender fee (Non-Refundable) OR can be downloaded from the GSCWU website www.gscwu.edu.pk or PPRA website www.ppra.punjab.gov.pk.
- (a) Security amount must be deposited equal to 2% of the estimated price of the tender in form "Call Deposit Receipt" in favor of Treasurer, GSCWU as earnest money which will be refunded to the un-successful parties. The CDR will be detained of the successful parties till the completion of the contract.
(b) Late offers will not be considered. Cutting/overwriting is not allowed.
- Single Stage/Two Envelope bidding procedure will be adopted as per PPRA Rules 38-2(a). The envelope shall be marked as "Technical Proposal & Financial Proposal" in legible letters. The financial proposal of the bids found technically non-responsive shall be returned unopened and shall be returned on the expiry of grievance period or the decision of the complaint, if any, filed by the non-responsive bidder, whichever is later.
- Sealed tenders duly completed in all respect must reach the office of the undersigned by courier service/by hand during office hours 08:30 A.M. to 04:30 P.M. except Saturday and Sunday till the closing date and time as mentioned above.
- The GSCWU reserves the right to cancel/reject all tenders/bids at any time prior to the acceptance of bid or proposal in accordance with rule 35 of Punjab Procurement Rules, 2014. However, the procuring agency shall upon request communicate to any bidder, the grounds for its rejection of all bids proposals, but shall not be required to justify those grounds.
- In case of closed/forced holidays/lockdown (as the case may be), tender opening time/date will be considered as the next working day.
- All terms and conditions given in bidding documents will be applicable.

Treasurer



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TENDER DOCUMENT

FOR PROCURMENT OF CHEMISTRY LAB ITEMS
FOR FINANCIAL YEAR 2020-21



The Govt. Sadiq College Women University Bahawalpur

Note: Please read carefully this Tender document and sign & stamp each page.

**1. CHEMISTRY DEPARTMENT**

A- CHEMISTRY LAB EQUIPMENT				
Sr #	ITEM DESCRIPTION (CHEMISTRY LAB EQUIPMENT)	Qty.	Unit price (with all taxes) Rs.	Total Cost (Rs.) With all Taxes
1	Micropipette Multi Channel: Precise pipetting control, - Robust and lightweight - 0.1µl-100µl volumetric or serological pipettes can be used- Filling and delivery are easily controlled with a small sensitive lever, - Uses integral and replaceable 3µm filter, - Autoclavable silicone pipette holder Germany or UK or Japan or USA or equivalent	5		
2	Hot plate with stirrer: Material Body: Powder Coated Aluminum. Material Plate: Solid Ceramic Glass Plate, 200 x 200mm. Stirring Capacity (H ₂ O): Max. 20 Lit. Speed & Control Resolution: 80 ~ 1,500 rpm, 5 rpm. Temp. Range & Accuracy: Max. 500°C, ±0.3°C at Set Temperature. Temp. Resolution: 0.1°C - Display, 0.5°C - Control. Heating Power / Consumption: 850W. Timer & Alarm: 99hr 59min (with Continuous run.), Error status & Timer-end.Display: Digital LCD with Back-Light Function Controller: Digital Feedback Controller with Jog Dial (Turn+Push) and Touch button. Stirring Bar: 3cm bar-included, Usable : up to 5cm bar. Safety Circuit: Over Temp. Protection, Hot Top Indicator LED Lamp. Permissible Temp. & RH %: Ambient +5 ~ 50°C, 85% RH Dimension & Weight: 205 x 345 x h135mm, 3.3kg. Power Supply & Cord/Plug: AC 230 V, 50 / 60 Hz, with Cord/Plug. Including: External/Direct Contact Temperature Probe Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	15		
3	Conductivity Meter: 0 µS/cm...1000 mS/cm ±10.5 % of value Salinity 0.0...70.0 (acc. to IOT), 0.00...20 MOhm cm, TDS 1...1999 mg/l Temperature -5.0...105.0 °C ±0.1 °C (23...221 °F) Cell constant 0.450...0.500 cm ⁻¹ , 0.09...0.110 cm cm ⁻¹ , 0.800 bis 0.880 cm ⁻¹ , 0.25...2.5 cm ⁻¹ , fix 0.01 cm ⁻¹ Calibration 1-point, Tref 20 °C/25 °C (68 °F/77 °F) Temperature compensation nLF, linear 0.000 to 3.000 %, can be switched-off Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
4	Portable pH meter: pH: Range: -2.0 to 20.0, -2.00 to 20.00, -2.000 to 20.000 Accuracy (±1 digit): +0.1, +0.01, +0.005 (test sample temp 59 to 95 °F (15 to 35 °C)) Calibration: 1, 2, 3 point mV: Range: ±1200.0 mV, ±2000 mV Accuracy (±1 digit): +0.3, +1 (test sample temp 59 to 95 °F(15 to 35 °C)) Temperature: Range: 23 to 221 °F (-5.0 to 105.0 °C) Accuracy (±1 digit): ±0.2 °F (±0.1 °C) Mechanical and electrical Display: 7-Segment LCD Power Supply: Four 1.5V AA batteries or four 1.2 V NiMH Battery Life: Up to 2500 hours Dimensions (WxHxD): 9.45x7.48x3.15 inch (240x190x80 mm) Weight: 2.2 lb (1 kgs) Compliance: CE, cETLus	2		

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	Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
5	Ultrasonic cleaner: The kind of ultrasonic cleaning machine can be used for cleaning metal oil stains, metal wax stains, glasses, jewelry, ink cartridges, watches and other items. Features: Using ordinary tap water, alcohol or a solvent as the cleaning liquid High-power transducer is has good cleaning effect, can be visually observed use your eyes Digital timer to control the time All materials are stainless steel Excellent waterproof makes a safe product and a long working life Models which equipped with a heating system have the thermostat system Technical Parameters: Ultrasonic Frequency: 40KHz Interior Material: Stainless Steel SUS304 Capacity: 6L Time Controller: Digital timing control range 0 to 30 minutes Power supply: AC 100~120V, 50/60Hz AC 220~240V, 50/60Hz Ultrasonic Power: 120W, 2 Vibration heads Heating power: 100W (digital control) Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	3		
6	Nitrogen Gas Cylinder: 50 L	2		
7	Autoclave (250 ml): BAOSHISHAN 250ml Hydrothermal Synthesis Autoclave Reactor 304 Stainless Steel High-Pressure Digestion Tank with PTFE Lined for Rapid Digestion of Insoluble Material Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	5		
8	Moisture Analyzer: Dimensions (L x W x H): 40 x 21.5 x 21cm Repeatability For initial sample weight approx. >1g Sample Size: 5 to 15 g Electrical Requirements: 120V, 50/60Hz Heat Source: Infrared Temperature range: 40-160°C Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
9	Autoclave (100 mL): Digital Microprocessor Controlled Vertical Unit Temperature Range 105 to 135° C Interior Chamber Stainless steel, capacity 50 Lit interior chamber dimension 300x710 D mm, Built in Timer 1 to 250 Minutes and Pressure Gauge 0 to 0.4 mpa, Selected Modes for Liquid and Solids and Agar Process, Complete with stainless Steel Baskets operated on 220 Volts Electromechanical Lock System. Dual Sensing Interlock mechanism. Pulse Sensing System for Air Exhaust. Programmable Auto	1		



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	<p>start Process Status Display Over Pressure Cutoff. Over Temperature Cutoff.Pressure Safety valve. Complete Unit as above with standard accessories, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>			
10	<p>Centrifuge Machine Benchtop Micro Centrifuges Ideal for High-Speed Lab Applications Centrifuges 24 x 1.5/2ml micro tube rotor with a biocontainment option. Additional rotor options support 5ml microtubes, spin columns, PCR stripes, and hematocrit capillary tubes. • Designed for ease of operation, Frontier Micro centrifuges feature convenient control on an intuitive interface, which allows for responsive operation – even when wearing gloves. • Enclosing all their functionalities within a small footprint, Frontier Micro centrifuges save valuable space on the lab bench. Speed Range: 200 rpm – 15,200 rpm Maximum Relative Centrifuge Force (x g 21,953 g Construction: Quiet operation,(Brushless motor) small footprint Temperature Range (-4 °F – 104 °F) (-20 °C – 40 °C) Safety Features Single touch lid-closer system advanced Motorized prevents centrifuge from opening Cooling Built-in Fast Pre-cooling option in only 8-10 min (deponed on rotor type) Protection Technology Advance Imbalance sensor that stops the centrifuge if the any imbalanced or sudden shock occurs, protecting your samples Stopping Centrifuge pre-selected running time has ended the centrifuge will stop automatically reducing energy consumption and extending life of system. Maximum Capacity (Rotor) 44 x 1.5 / 2.0ml; 12 x 5 ml Program memories: 99 Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>	4		
11	<p>Cold Cabinet: Pharmaceutical Refrigerators/Cold Cabinets Precise temperature control, Superior cooling performance, Forced air condition, Double-glazing glass door, Slim, and space saving design, Useful alarm function, Specification: Temperature control: 2°-14°C, Temperature display Digital (1° C increments), Interior dimensions: 720W x 350D x 1435H mm, External Dimensions 800W x 465D x 1800H mm, Effective capacity: 340 liters (12.0 cu.ft.), Net Weight 100Kg (220lbs), Internal cabinet: Stainless steel. Insulation polyurethane foam,glass doors, double-paned glass with heat-reflective film,Shelves: Hard Steel Wire Lighting / Casters: LED/2 casters Compressor Hermetic type, 160 W Refrigerant HFC, Defrosting cyclical defrosting & evaporator temp. detection system, Defrosting heaters 101 W, Door ajar alarm: Buzzer/door ajar lamp, Germany or UK or Japan or USA or equivalent</p>	2		



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	Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
12	Electronic Analytical Balance Digital Microprocessor Controlled with Latest UniBlock Technology, UniBlock designs Weighting Capacity: 220gm, Minimum display: 0.1mgPan size (mm): Ø91 approx.,Extra Feature: Overload Protection Automatic calibration by pressing keys with internal calibration weight- Easy setting, expanded piece counting function comparator function, formulation modes- Windows direct communication function, Complete unit, operated on 220Volts, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	3		
13	Heating Mantle with Stirrer: Temperature 450°C , Electrothermal , Capacity5000ml, Max Flask Size: (mL)5000, Material: Aluminum, Max Stirrer Speed (rpm)2000, Max temperature (° F): 842, Max temperature (° C)450, Power (VAC)230, , Power (Hz)50Power (watts)800, Stirring Heating Mantle, 5 L; 230 V Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
14	Heating Mantle <ul style="list-style-type: none">• Bi-directional stirring speeds up to 520rpm• Stir bar "auto-recapture" function• "Cool-to-touch" design• Maximum element temperature 450°C• Built-in energy regulator• Replaceble insulated heater cartridge• Indicator lamps for power and heater operation• A chemically resistant polypropylene outer casing• A grounded earth screen and double fuses for extra safety• Bracket for 1.3cm support rods (but not including the support rods) Flask capacity 50ml - 250ml, quantity required(5) Materia:l Polypropylene outer casing, Max element temperature: 450°C Dimensions (d x w x h), mm 260 x 175 x 133 , Flask capacity 500-1000ml, quantity required(3) Materia:l Polypropylene outer casing, Max element temperature: 450°C Dimensions (d x w x h), mm 310 x 238 x 157, Flask capacity 2000ml, quantity required(2) Materia:l Polypropylene outer casing, Max element temperature: 450°C Dimensions (d x w x h), mm 400 x 350 x 197 Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	10		
15	UV Lamp A corrosion-resistant, specular-aluminum reflector optimizes UV irradiance. A LONGLIFE™ filter glass for higher initial UV transmission and maximum resistance to solarization, Color-coded on/off switches, conveniently located at the top of the units anodized-aluminum lamp housings extremely rugged and durable.Long wave (UV-A, 365nm) / Short wave (UV-C, 254nm) UV Tube(s): One 6-watt BL, BLE-6T365, One 6-watt SW, BLE-	3		



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	6254S, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
16	Electronic Balance digital Top Loading High Resolution type Metal base structure, over load protection, fast response time, Various unit conversions and various functions available as standard, Capacity 300gm, Readability 0.01gm, Pan Size 110mm, battery operated as well as operated on 220 volts, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	3		
17	Micropipettes: Measuring Range 0.2 to 2 μ l, Accuracy \pm 0.014 μ l, Germany or UK or Japan or USA or equivalent	2		
18	Micropipettes: Measuring Range 0.5 to 10 μ l, Accuracy \pm 0.040 μ l, Germany or UK or Japan or USA or equivalent	3		
19	Micropipettes: Measuring Range 2 to 20 μ l, Accuracy \pm 0.060 μ l, Germany or UK or Japan or USA or equivalent	3		
20	Micropipettes: Measuring Range 20 to 200 μ l, Accuracy \pm 0.30 μ l, Germany or UK or Japan or USA or equivalent	3		
21	Micropipettes: Measuring Range 100 to 1000 μ l, Accuracy \pm 1.5 μ l, Germany or UK or Japan or USA or equivalent	3		
22	Micropipettes: Gilson multichannel pipette, Volume: 20 to 200 μ L Systematic Error: \pm 0.50 to \pm 2.00 μ L Germany or UK or Japan or USA or equivalent	1		
23	Rotary Evaporator with all Accessories: The chemically resistant PTFE vacuum seal for 50ml – 500ml evaporating flask Technical Specification: -Hand / Motor lift Hand lift Rotation speed (rpm) 20 – 280, Rotation speed setting Scale, Drive Brushless DC motor, with electronic speed control Heating capacity (W) 1,300, Temp. Range heating bath ($^{\circ}$ C) 20 – 210, Temperature range accuracy ($^{\circ}$ C) \pm 1, Overheat protection bath ($^{\circ}$ C) Cut-off at 5 $^{\circ}$ C, over set temperature, Via separate PT 1000, Bath temperature setting Digital, Heating bath temperature control Electronic / Digital Secondary overtemp. Cut off ($^{\circ}$ C) 250, Material heating bath (mm) Stainless steel AISI 316L Volume heating bath (l) 4.5Liers, Instrument is supplied with 1Litre evaporating and Receiving operated on 220 Volts, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
24	Rotary Evaporator Vacuum Pump, PTFE Diaphragm Chemistry High Pumping Speed and low Ultimate vacuum Suitable for Rotary Evaporators, a, made of Chemically Resistant Fluoro plastics . PTFE Diaphragms Gas ballast Valve for Continuous Condensate Purge with Builtin manual Vacuum Regulator Valve with Lid Gauge for	2		



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	Adjustment of Pumping Speed, Number of Head / Stages 2, Maximum Pumping Speed 0.75 m ³ /h/0.9 m ³ /h, Ultimate Vacuum 12 mbar, Ultimate Vacuum with Gas Ballast 20 mbar Operated on 220 Volts, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
25	Rotary Evaporator Chiller Stainless steel bath vessels, Drain connection at the rear, Working temperature: -25 °C to + 100 °C Temperature stability: 0.05 ±K, Bath volume max: 7.5 L Bath depth: 160 mm, Pump pressure max: 0.2 bar Pump flow max. (Pressure): 15 L/min, Operated on 220 Volts Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
26	PH Meter Digital Bench Model Microprocessor Controlled With parallel Temperature indication, PH Range -2.0 to 20.0 ±0.005pH, PH Resolution 0.001pH, MV Range ±1200.0mV, Accuracy mV ±- 0.3mv, Automatic Temperature Compensation, Temperature Range -5 to +105.0°C, Temperature accuracy ±0.1°C with two/three Point Calibration System, Battery operated operated With 220 Volts, Black Electrode stand with base., Plastic Beaker 50 ml, 3MKCL Solution 50 ml., Calibration Standard solutions PH 4, 7 & 10 50ml each. PH Electrode precision Type with Built in Temperature Sensor. Complete Package Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	4		
27	Glass ware drying cabinet: capacity 125 L, 3 adjustable shelves, Max temp: ambient +50, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	3		
28	Incubator: Adaptive multifunctional Digital PID-Microprocessor controller with High-Definition TFT-Color Display Temperature range 10°C above ambient up to +80°C, Resolution of display for set point values 0.1°C, Double doors (interior glass, exterior stainless steel), Adjustment of pre-heated fresh air admixture by air flap control in 10% steps, digital timer adjustable from 1 minute to 99 days, 23 hours, adjustable electronic overtemperature monitor and mechanical temperature limiter, protection class 1, Double Over Temperature Protection, Interior & Housing made of Stainless Steel, Set point WAIT function Operated on 220volts, Capacity 32 Lit, Interior dimension: 400 x 320 x 250mm with One stainless steel tray, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
29	Ultrasonic Cleaning Bath : 20 kHz units are excellent for processing samples from 250 µL to several liters on a flow-through basis. Order calibrated SS temperature probe separately. • Automatic tuning and frequency control • Integrated	5		



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	temperature controller from 1°C to 100°C• Stores up to 10 procedures• Real time display• Control process time from 1 second to 10 hours• Shipped complete with a 1/2 in. (13 mm) probe (630-0220) with replaceable tip, tool kit, and instruction manual Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
30	Conductivity Meter Digital Bench Top Microprocessor Controlled with parallel temperature indication, Conductivity Range 0.0 us/cm to 1000 ms/cm, Accuracy 0.5%, Temperature Range - 5.0 to +105.0°C, Salinity 0.0-70.0, TDS 0-1999 mg/l, Reference Temperature 20 or 25°C Selectable, With following accessories:- Conductivity Electrode Model Tetracon 325, Electrode Stand with Base , Standard solution 50 ml, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
31	Spectrophotometer Visible: Grating 1200 Lines /mm § Both round / Square Cuvette, § Automatic Zero Function Digital microprocessor controlled range 320-1000nm, Data processing Microprocessor Display 3 ½ digit LCD, Optical system grating 1200 lines/mm zero blank set automatic Zero and blank setting automatic, bandwidth 6nm, Complete Unit with 10cm path length glass cells, Complete set operated On 220 Volts, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
32	Abbe Refractometer: index measurement range is required small contract, laboratories or applications where sample throughput is relatively, low. display.Range 1.30 - 1.70 RI (0 - 95 °Brix) Resolution (Scale Division) 0.0005 (0.25 °Brix)Operating Temperature 5 – 75 °C, Temperature Resolution 0.1°C Temperature Accuracy ±1°C, Complete unit with all standard accessories, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
33	Digital Melting Point Apparatus: - Digital selection & display of temperature - High accuracy - no. of samples 2, Temperature range Ambient to 300°C, Temperature accuracy ± 1.0°C at 20°C, ± 2.5°C at 300°C, Display Three digit LED, Temperature resolution 1°C, Sensor Platinum resistance PT100 Ramp rates 20°C per minute to plateau, 20°C per minute to melt Dimensions (w x d x h) 160 x 220 x 170 mm, Net weight 1.8 kg Electrical supply 230V, 50Hz, 75W, Complete unit with pack of 100 melting point tubes, closed, at both ends, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
34	Universal Oven Precise drying, Adaptive Multifunctional Digital PID-microprocessor Controllerwith	2		

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	High-Definition TFT-Color Displays Temperature range 10°C above ambient up to +300°C, Single DISPLAY, forced air circulation (Fan), forced air circulation by quite air turbine, adjustable in 10% steps for each segment individually, self-diagnostics for fault analysis, digital timer adjustable from 1 minute to 99 days, 23 hours, Multiple Overtemperature Protection with audible and visual alarm, Interior Stainless Steel & Textured Stainless Steel Casing Operated on 220volts, UF Series. Capacity 53 Lit, interior dimension: 400 x400x330mm, with single stainless steel tray Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
35	Electric Water Bath: Water Bath Basic class for standard temperature, control tasks, Temperature range min. 5 °C above ambient up to +95 °C, with additional boiling mode (+100 °C), State-of-the-art control technology of the Basic and models, Microprocessor PID-temperature controller with, ntegrated autodiagnostic system with fault indicator, integrated digital timer from 1 min. to 99,59 hours, Overtemperature Protection (double), Interior Stainless Steel Tank & Textured Stainless Steel Casing,Fitted With Gabled Cover,Capacity 14 Lit., interior dimension 350x290x140mm, Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
36	ZF-20D ultraviolet analyzer: Sample room size: 250 * 170* 230mm Sample room door size: 200 * 110 mm Two: UV filter size: 150mm * 70mm Three: UV lamp power: 8W 254nm * 2 8W 365nm2 branches Four: Power supply voltage: 220V frequency: 50HZ Five :Lamp life of 1000 hours or more Six :The ultraviolet transmittance of the filter is more than 20 w/ square meters Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	1		
37	Luminescence Spectrometer: capability of measuring fluorescence, phosphorescence or chemiluminescence, and bioluminescence. Pulse rate, delay and gate times can be varied. Source Xenon flash lamp, pulsed at line frequency (50 or 60 Hz). Pulse width at half peak height < 10µs, power equivalent to 20 kW at continuous operation. Delay (td) and gate time (tg) can be varied to measure phosphorescence. Source can be turned off for measuring chemiluminescence and bioluminescence. Optics Monk-Gillieson type monochromators using low stray light, holographic gratings cover the following ranges: Excitation 200-800 nm with zero order selectable Emission 200-650 nm with zero order selectable (standard photomultiplier) 200-900 nm with zero order R928 photomultiplier (optional) Synchronous scanning is available with	1		



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	constant wavelength or constant frequency difference. Excitation spectra are automatically corrected. An excitation filter wheel is incorporated into the optical unit and inserts a 390 nm cut-off filter as an excitation spectrum is scanned through 410 nm. Excitation and Emission Polarizers consisting of 2 filter wheels, each with horizontal and vertical polarizer elements are included. Wavelength accuracy + 1 nm Wavelength + 0.5 nm reproducibility Spectral bandpass The excitation slits 2.5-15 nm and emission slits 2.5-20 nm can be varied and selected in 0.1 nm increments. Scanning speed The scanning speed can be selected in increments of 1 nm from 10–1500 nm/minute. Data can also be collected with respect to time. Emission filters Computer selectable cut-off filters, 290, 350, 390, 430 and 515 nm, a blank (to act as a shutter), a 1 % attenuator, and a clear beam position. Sensitivity Minimum signal-to-noise level using the Raman band of water, excitation 350 nm, is 750:1 RMS measuring noise on the Raman peak, and 2500:1 RMS measuring noise on the baseline. Standard A single position water thermostatted holder for 10 mm cuvettes.Should include a host of automated accessories and software to address a wide range of bioresearch applications. Whether your application requires fluorescence, phosphorescence, chemi – or bioluminescence.Compatible PC Printer with UPS or recommended accessories Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
38	Glassy Carbon Working Electrode	5		
39	Ag/AgCl Electrode	5		
40	Pt Counter Electrode	5		
41	HPLC System HPLC system Complete with PDA detector and accessories1- Solvent Management; Flow rate range (0.01-10.0 ml/min, in 0.01 ml increments); Eleven gradient curve shapes (linear, 2 step, 4 convex, 4 concave); Delay volume is <650 ul (including Sample Management delay volume) – unlike other systems, this volume is independent of system pressure; Method linking; automated system shut down; Built in high efficiency, low volume, and vacuum degassing system with separate vacuum chambers for each solvent.; Flow precision of <= 0.075% RSD with flow accuracy of +/- 1%. ; Compositional accuracy is <0.5% and compositional precision is <0.5%, both measured at 1 ml/min.; Must Include In-Built LCD for System Preparation, an automated software assisted purge function for ease of solvent changing and system purging/priming and other applicationsWarranty on system sub-assemblies ; - Solvent manager drive mechanics - 2 years or 200,000 injections, whichever occurs first ; - Sample manager drive mechanics - 2 years or 200,000 injections, whichever occurs first ; - Seal pack assembly - 1 year or 15,000 injections, whichever occurs first 2- Sample Management with Sample Cooling;; temperature control module for controlling the sample temperature compartment between 4 and 40°C in 1° increments.; Automatic routines for adding, mixing and injecting derivatized samples.; Needle wash system that uses fresh solvent with each injection. ; Random access to any vial for multi-method operation.; Programmable needle height control to help protect the needle from damage and allow greater flexibility when using advanced routines.; All electric design for convenience and reliability.; Precision is <0.5% for injections from 5-80 ul. Linearity is >0.999 coefficient of deviation from 1-100 ul. Carryover is <0.0025% from previous injection (Caffeine).; 0.1 to 2000 ul Injection range with up to 99 injections per vial. Sample capacity is 120 (2ml) vials. Limited volume inserts allow as little as 0.1ul from 7ul.; Events include 2 inject starts, inject	1		



A- CHEMISTRY LAB EQUIPMENT				
Sr #	ITEM DESCRIPTION (CHEMISTRY LAB EQUIPMENT)	Qty.	Unit price (with all taxes) Rs.	Total Cost (Rs.) With all Taxes
	<p>stop and programmable contact closure.3- Column Oven ; - Forced air recirculation Peltier-based column heater module ; - 4 to 65° C ; - Integral mounting clips for column(s) and tubing's ; - Must have cooling option. 4- Photo Diode Array Detector; ; Low noise sensitivity = <10 µAU ; 190-800 nm with 1.2 nm Digital and Optical Resolution. ; Spectral exposure optimization to maximize the signal-to-noise across the entire wavelength range with a single Deuterium lamp ; Flexible sampling rates for normal and fast LC separations from 1 to 80 Hz ; Independent optimization of Data Rate and Time Constant. ; Lamp Optimization Software – ensures the same light energy output for the entire life of the detector lamp. ; One lamp – not two – cuts the cost of maintenance and avoids the problem of lamp solarization, which is seen in two lamp systems, when the light from one lamp hazes the glass of the second lamp. ; Only one moving part – which means fewer parts to wear. ; Software can run detector as a single wavelength, multi-wavelength or spectral detector. ; Specialized routines such as MaxPlot, Purity determinations and spectral libraries. ; Collect 8 channels of 2D data at user defined bandwidth for user optimization of 2D detection.5- Fraction CollectorThe Fraction Collector III is an easy-to-use, stand-alone fraction collector designed for use with HPLC, Preparative HPLC, and MS applications.Compatible with flow rates as high as 300 mL per minute, the Fraction Collector III handles a variety of adapter racks and collection vessels within a compact footprint. Its flexible design accommodates fraction sizes compatible with microtiter plates up to multiple liter containers:§ Multi-purpose functionality in a small footprint§ Intuitive keypad and screen view make setup easy§ Review results in real time, or via a post-run results table§ Remote management with MassLynx™ Software for MS applications, Choose from several task-specific sample run modes of operation (time, signal, peak numbers, etc.)6- Software:Complete system with original CDS software fully compliant with 21 CFR Part 11 guidelines. Software must have option to multi-vendor system connectivity. Software must have LIMS / LMS supportSystem must control mass spectrometry data with mass spectrometer upgradation. Must include System suitability for HPLC & DetectorSystem qualification services (IQ/OQ) with original documentation. advanced system control data acquisition, and custom reporting features of Software, System must provide documentation to meet GxP and 21 CFR. 7- Accessories:- C18. 4.6x250, 5µm (Carbon Load 18%, pH Range 1-12, 130A) 03 Nos. - PM Kit for Diode Array Detector 01 No.- PM Kit for separation module (Pump & Autosampler) 01 No.(PM Kit: one diffuser assembly, one filter insert assembly, four stainless steel solvent filters, four face seals, 2 fluoroloy seals, one syringe, one compression screw, one sealwash injector tube, one needlewash frit, five sealwash seals, two seals, one spacer, two plungers, one PTFE washer, two plunger seal wash, one lithium battery, one needle wash filter, one filter retainer, thin walled PTFE tubing, two check valve cartridge assemblies, powder-free gloves, one injector needle and one injector needle ferrule.)- 2ml Glass vial Pre-slit septa- amber 1000 vials- Branded Computer (Core i5) with 22” LED and laser jet printer and Microsoft compatible windows.- Branded online 3KVA UPS with dry batteries 30 minutes backup) Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>			
42	<p>Ice Flake Machine Compact body size to fit to under counter Wide door design for easy to take ice out of bin Smart protections: Protection from unusual electrical condition Flask backside for space saving installation Ice production capacity: 120kg/day with ice storage bin 60kg, air cooled type complete unit Operated on: 220V, 50 Hz flaked ice machine preferred for lab, clinical and education use. CurranTaylor Scotsman self contained flake (crushed) ice packs tightly and cools quickly. Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>	1		
43	<p>Electronic aspirator pipette: Lightweight,</p>	2		



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	Weight: .48lbs/.22k Battery life: 8 hrs. Battery charging time: Autoclavability: Nose piece, pipette holder & filter Pipette types: Glass or plastic, 1 to 100mL Electrical: 120 - 240V. Self standing, 2 membrane filters 0.45 µm. Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.			
44	MICRO Analytical balance: 60/220gram/0.01mg/0.1mg Internal Automatic Calibration Pan size: Ø85mm Counting pieces Under-hook weighing RS232 output connection Unit Display : gr, mg, ct 3 Sliding Doors for wind protection. Dimensions WxHxD (mm): 210x335x335 Chamber Dimensions WxHxD (mm): 172x230x172 Optional Anti-Vibration Table Printers Density kit for solids and liquids Rack for under-hook weighing. Additional LCD display Computer software Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
45	Vacuum Pressure Pump: Vacuum Pump PTFE Diaphragm Chemistry Design two stage provides the advantageous combination of High Pumping Speed and low Ultimate vacuum Suitable for Rotary Evaporators, all pumping parts in contact with pumped media are made of Chemically Resistant Fluoro plastics. PTFE Diaphragms increase Reliability and Extended Operation Life is equipped with a Gas ballast Valve for Continuous Condensate Purge with Builtin manual Vacuum Regulator Valve with Lid Gauge for Adjustment of Pumping Speed Technical Specification Number of Head / Stages 2 Maximum Pumping Speed 0.75 m ³ /h/0.9 m ³ /h Ultimate Vacuum 12 mbar Ultimate Vacuum with Gas Ballast 20 mbar Operated on 220 Volts Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	2		
46	Professional Analytical Balance: - 1200g/10mg ● Programmable IR Proximity sensors for Zeroing/Tarring/Printout ● Weighing Pan - 195*195 mm ● Wide Range of Applications - Animal Weighing, Parts Counting, GMP/GLP, Percentage Weighing, Air Density Correction, Density Determination, Statistics, Filling and more Display - Touch Screen Electronic Level Indicator Internal Calibration	1		

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	<p>Metal Anti-Draft Shield Large Database which enables various users and recording Weighments, Products, Tarring and ALIBI Memory Interfaces - 2×USB, 2×RS 232, 1×Ethernet, Wi-Fi 802.11 b/g/n, 4 inputs / 4 outputs (digital) Optional Accessories Thermal Printer Anti Vibration Table Additional display monitor Computer Software Density determination kit Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>			
47	<p>lab referigator: Capacity: approx 260-520 L Temperature Range: 2~8°C Refrigerant: R134a, CFC free Refrigeration System: International famous compressor and Germany EBM fan motor Controller: Microprocessor Control with LCD Display Audible alarm: High/Low temp, door alarm and system failure alarm. Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>	1		
48	<p>Ice Buckets: multi-purpose containers are highly insulative, stackable, unbreakable, lightweight and leak-proof. Containers will not "sweat" or deform and have a textured finish on the bottom to prevent slipping on the benchtop. Ideal for use with ice, dry ice (-78°C), liquid nitrogen (-196°C), alcohol or saline solutions, or warm solutions (+93°C). Available in five sizes and seven vibrant colors. It can be cleaned with soap and water, 10% bleach or 70% alcohol. Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>	20		
49	<p>Laminar Flow Cabinet Horizontal : Space-saving desk-top type with compact design• Open type large air exhaust area for airflow uniformity• SUS304 working area• Adjustable fan unit & one-button velocity selection• High efficiency & low power consumption(Country of Origin: China) Manufactured by Suzhou Antai Airtech China Technical Specifications: Exterior Dimensions 1220*650*920 (W x D x H(mm)) Work Zone Dimensions 1120*490*575 (W x D x H(mm)) Work Zone Height 40(cm) Controller SwitchBlower AT BlowerMain Power Switch YesFoot-pad YesNoisedB(A) <65 HEPA Filter H13,≥99.99% (@≥0.3µm) Operated on 220 Volts Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>	1		
50	<p>SpectraMax Plus 384 Microplate Reader: A microplate spectrophotometer with a built-in cuvette port. Wavelength range 190–</p>	1		



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Sr #	ITEM DESCRIPTION (CHEMISTRY LAB EQUIPMENT)	Qty.	Unit price (with all taxes) Rs.	Total Cost (Rs.) With all Taxes
	<p>1000 nm Wavelength selection Monochromator, tunable in 1.0 nm increments Wavelength bandwidth 2 nm Wavelength accuracy ± 1.0 nm Wavelength repeatability ± 0.2 nm Photometric range 0–4.000 OD Photometric resolution 0.001 OD Photometric accuracy (microplate) $< \pm 0.006$ OD $\pm 1.0\%$, 0–2 OD Photometric accuracy (cuvette) $< \pm 0.005$ OD $\pm 1.0\%$, 0–2 OD Photometric precision $< \pm 0.003$ OD $\pm 1.0\%$, 0–2 OD Baseline flatness < 0.001 OD Stray light $< 0.05\%$ @ 230 nm Light source Xenon flash lamp Microplate read time (normal mode) 96 wells in 9 seconds 384 wells in 29 seconds Microplate read time (speed read mode) 96 wells in 5 seconds 384 wells in 16 seconds. Temperature regulation Temp. range Ambient $+4^{\circ}\text{C}$ to 45°C Temp. uniformity (microplate) $\pm 0.5^{\circ}\text{C}$ at 37°C General specifications Dimensions (in.) 8.6 (H) x 22.8 (W) x 15 (D) Dimensions (cm) 22 (H) x 58 (W) x 38 (D) Weight 30 lbs. (13.6 kg) Power consumption < 250 watts Power source 100–240 Vac, 4 A 50/60 Hz Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>			
51	<p>CO2 Regulator Two Stage: Two stage regulator is designed for CO2 gas delivering precise and stable pressure control. Germany or UK or Japan or USA or equivalent</p>	2		
52	<p>96-Microplate visible smart Absorbance Reader: Control and Display: touch screen (800 x 480 pixels) Light Source Quartz-halogen lamp 6V/10W Wavelength Range 340-750nm Half-Bandwidth of filter 3~9nm Readout Range 0~4.000 Abs Linearity (405nm) 0~2.000 Abs $< +1\%$ 0~4.000 Abs $< +2\%$ Precision CV $\leq 0.2\%$ (0-3) Abs CV $\leq 0.1\%$ (3-4) Abs Test Speed < 6 sec. for 96 well plate with Shaking. User Interface Integrated software, touch screen control Ports USB ports for PC, printer, mouse and flash drive Dimensions 295 x 440 x 225 mm (11.6 x 17 x 8.75") Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.</p>	1		

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Sr #	ITEM DESCRIPTION (CHEMISTRY LAB EQUIPMENT)	Qty.	Unit price (with all taxes) Rs.	Total Cost (Rs.) With all Taxes
53	UV Transilluminator Transilluminator allows selection of 8-watt long wave, midrange or shortwave in one compact unit. View gels using long wave UV for extended periods of time reducing photo nicking damage, Switch to midrange to increase the fluorescence for photo documentation, Use shortwave to irradiate samples, Compact size, High Performance, Stainless steel filter assembly, Single Intensity 254/302/365nm UV, Filter Size 20 x 20cm. Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	1		
54	Vortex Mixer Adapters available for tubes etc. Continuous or touch operation, Electronic speed control for constant speed even during changes in load, Steel base, silicone feet for ultra stability and vibration damping, Speed range 0-2500rpm, Shaking movement Orbital, 4mm dia Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	6		
55	TGA: Type Horizontal Differential Type Temperature: Range Ambient to 1,100°C Ambient to 1,000°C Ambient to 1,500°C TG Baseline drift 1): <10 ug TG Baseline Stability 2): <10 ug DSC Function: Standardly equipped Specific Heat Capacity Measurement: Available Temperature Precision: +/-0.07°C Temperature Accuracy: +/-0.2°C Gas Control: Integrated Mass Flow controller Balance: Type Horizontal Differential Type Temperature: Range Ambient to 1,100°C Ambient to 1,000°C Ambient to 1,500°C TG Baseline drift 1): <10 ug TG Baseline Stability 2): <10 ug DSC Function: Standardly equipped Specific Heat Capacity Measurement: Available Temperature Precision: +/-0.07°C Temperature Accuracy: +/-0.2°C Gas Control: Integrated Mass Flow controller. Germany or UK or Japan or USA or equivalent Note: Valid authorized certificate from the manufacturers/foreign principals must be attached.	1		
56	Bomb Calorimeter: Working temperature: 15-70°C Storage temperature: 0-70°C Temperature Resolution: 0.000001°C Reproducibility/Repeatability: <0.01% RSD Resolution: 0.0001 MJ/Kg Results per hour: 12 samples per hour using 3 bayonet bomb vessels Measuring range max: 99MJ, 99000MJ Working temperature min: 0°C Working temperature max: 50°C Germany or UK or Japan or USA or equivalent	1		
Total for Chemistry Equipment				



Evaluation Criteria is as under:-

MANDATORY REQUIREMENTS FOR EVALUATION

Category	Description	Points
Mandatory Requirements	Proof of registration of business	Mandatory
	Valid Income Tax Registration (Status = Active with FBR)	Mandatory
	Valid General Sales Tax Registration (Status = Active with FBR)	Mandatory
	Submission of undertaking (Annex-A) on legal stamp paper and (Annex-B) on firm's letter head.	Mandatory
	Technical/Financial proposal on the company letter head duly signed/stamped along with detailed specification.	Mandatory
	Minimum Three years relevant experience (Supply orders of relevant item(s) must be attached with technical offer).	Mandatory

**Assessment Form with Reference (to be filled and attached with Technical Bid - Mandatory)**

Sr. No.	Attributes	Max. Marks	Score Distribution	Score Obtained	Requirements
01	Technical Specification of Product	65	65		for exact specifications
			0		for irrelevant specifications
02	Age of Company/Firm	05	05		01 year & above
			0		Less than 01 year
03	Financial strength of the vender	05	05		Funds equal to the estimated price on closing date
			0		insufficient Financial Strength
04	H.R. Strength	05	05		For relevant technical staff
			0		For weak H.R Strength
05	On site back up support	05	05		Yes
			0		No
06	Relevant experience	10	02		03 year & above
			04		04 year & above
			06		05 year & above
			08		06 year & above
			10		07 year & above
07	Engineer	05	05		Available on company H.R strength
			0		Not available on company H.R strength

NOTE: only bids securing minimum of 75% marks would be declared technically accepted.



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(Annex-A)

**CERTIFICATE
(On Legal Stamp Paper)**

1. We do hereby affirm that we have read carefully the terms and conditions of tender documents for the purchase of Lab items. We shall abide by all the terms and conditions/Instructions, rules and regulations of Government & GSCWU, Bahawalpur which are and to be applicable.
2. Our firm is not black listed on any ground by any Government (Federal/Provincial/District), on account of submission of false statement and failure to abide by the terms and conditions. In case of false statement, GSCWU may take legal action against contractor.
3. Certified that the prices quoted are not more than the prices charged from any other Government/Purchasing agencies. If prices are found higher or in case of any discrepancy, the bidder hereby undertakes to refund the price charged in excess.
4. Certified that the prices quoted by our firm are inclusive of all taxes and charges of transportation/handling/fixing/commissioning/technical training (FOC)/installation (by trained and certified engineers) etc. and no extra charges will be claimed.
5. Certified that the stock is available of the quoted items in the bid and firm is bound to supply in the prescribed period.
6. Certified that the firm will be responsible for the free replacement of items on his own expenses, if the same is found substandard and or at variance with the specifications given in the tender during warranty period

1	Name of Firm	
2	Address	
3	Income Tax No.	
4	Sales Tax No.	
5	Name of bidder	
6	CNIC No.	
7	Signature of bidder	
8	Company/Firm Stamp	
9	Registration Year	
10	Year of paid professional tax	
11	Contact #	
12	E-mail	



(ON LETTER PAD OF THE FIRM DULY SIGNED & STAMPED)

Price Reasonability Certificate

(On letter pad of the firm duly signed & stamped)

I M/S ----- do solemnly declare that "the prices quoted to The Govt. Sadiq College Women University, Bahawalpur are not more than the prices charged from any other Government/Purchasing agencies. If prices are found higher or in case of any discrepancy, the bidder hereby undertakes to refund the price charged in excess".

Certificate of Availability of Stock Quoted

(On letter pad of the firm duly signed & stamped)

I M/S-----do solemnly declare that "the stock is available of the quoted items in the bid and firm is bound to supply in the prescribed period"

Certificate of Physical Features of Quoted Items

(On letter pad of the firm duly signed & stamped)

I M/S ----- do solemnly declare that "the physical features of quoted products/ items mentioned in the Technical Bid are same as in Financial Bid and Firm is bound to supply without change" and shall provide on-site back-up support during warranty period.

Certificate of Inclusion of all Taxes and Others

(On letter pad of the firm duly signed & stamped)

I M/S -----do solemnly declare that "the prices quoted by our firm are inclusive of all taxes and charges of transportation/handling/fixing etc and no extra charges will be claimed.

Certificate of Free Replacement of Items

(On letter pad of the firm duly signed & stamped)

I M/S -----do solemnly declare that "the firm will be responsible for the free replacement of items on his own expenses, if the same is found substandard and or at variance with the specifications given in the tender during warranty period".

Certificate of Non-concealment of Information

(On letter pad of the firm duly signed & stamped)

I M/S -----do solemnly declare that "the information furnished herein and as per the document submitted is true and correct and nothing has been concealed or tempered with. I have gone through all the conditions of tender and is liable to any punitive action for furnishing false information/document".



Terms and Conditions

1. After the completion of technical evaluation, the GSCWU Bahawalpur shall inform the date, time and location for opening of the financial proposals.
2. The rates validity of tender will be up to 180 Days from the date of opening of tender.
3. Prices of individual items must be quoted separately inclusive all taxes.
4. The firm should mention make/made/model of offering item clearly in its technical bid in accordance with the required specifications.
5. Valid authorized certificate from the manufacturers/foreign principals must be attached with the technical proposal (where applicable).
6. GSCWU will not pay any reimbursement against any visit of vendor to the office. All expenses will be borne by firm.
7. The bid found without bid security shall be rejected and returned to the bidder.
8. The items supplied must fulfill the required specifications as mentioned in the tender document. The quoted solution should be single brand and lowest evaluated bidder will be responsible for the supply, technical training and installation (in all respect).
9. The contractor may visit the place/university before participation in tender.
10. GSCWU will not pay any reimbursement against any visit of vendor to the office. All expenses will be borne by vendor/contractor.
11. The firm shall provide supply order(s) of relevant work/nature from other government department(s) to show its expertise.
12. GSCWU reserves the right to decrease/increase/withdraw the quantity/item without consultation as and when required as per requirement and available budget.
13. The successful bidder shall execute a written agreement just after the award of the work.
14. GSCWU may ask the lowest bidder for any clarification/providing of documents for satisfactory evaluation of offer.
15. On finding substandard quality or lower specification or missing element as and when noticed during process, the security deposited shall be forfeited in favor of the GSCWU. The purchaser also reserves the right to purchase the material from elsewhere without any notice at the risk and cost of the defaulting contractor.
16. The payment shall be subject to satisfaction of all items duly certified by the inspection committee or user or initiator. Findings of the inspection committee will be binding on the supplier.
17. The payment of the bill will be made after the verification and inspection of the material through the crossed cheque after deducting **10% security** from the total value of the bill till the completion of warranty period which will be released after the verification of end user.



18. Conditional bids may be liable for rejection. Offers with incomplete documentation will be rejected.
19. The bidders will attach their respective copies of NTN, sales tax registration certificate, copy of valid CNIC and copy of CDR in technical bid. Copy of paid professional tax also be provided. Taxes will be applicable as per Govt. Rules and Regulations.
20. Where the use of, or a reference to, a brand name or a catalog number is mentioned; such use or reference shall be qualified with the word "OR EQUIVALENT".
21. The supplier is liable to produce its product as a whole consignment within time period mentioned in supply order failing which a penalty shall be imposed.
22. The contractor shall not subcontract or assign its obligations under the contract, in whole or in part. The contractor shall arrange and undertake a comprehensive technical training and orientation (free of cost) for the staff nominated by the procuring agency to ensure that they shall acquire a good working knowledge. The successful bidder(s) will provide two years warranty including parts for all items.
23. **The bidder(s) will provide installation (by trained and certified engineers) /replacement/technical training (FOC)/repair of parts alongwith the services at site for all the items during warranty period.**
24. The bidder should not be insolvent, in receivership, bankrupt or being wound up, not have had their business activities suspended and not be the subject of legal proceeding for any or forgoing.
25. The contractor is advised to observe the safety precautions, any mishap/damage to GSCWU Bwp property due to negligence of contractor or his representative or any of his workers would only be borne by contractor.
26. Procurement shall be governed by the Punjab Procurement Rules, 2014.
27. In case of any dispute, the decision of the Vice Chancellor shall be final.