



KOHAT UNIVERSITY OF SCIENCE AND TECHNOLOGY, KOHAT
Kohat 26000 Khyber Pakhtunkhwa, Pakistan (Ph: 0922-52914714, 52914627 - Ext: 4714)

Name of Firm/ Bidder	
Phone/ Mobile Number	
Address	
NTN/ CNIC Number	
GST Number	
Call Deposit Amount	
Call Deposit No. & Date	
Tender Applied For	Purchase of Lab Equipments for Chemistry Department

Unit Rate for Kohat Basis (PKR)						
S.No.	Item Type	Quantity	Per Unit Cost (Including Income Tax) PKR	Total Cost without GST	GST Amount	Total Cost (Including GST) PKR
1	Moisture analyzer					
2	Bench Rafractometer					
3	Analytical Balance					
4	Furnace					
5	Chemical Safety Cabinets					
6	Vacuum pump					
7	Temperature control cabinets					

8	Spectronic 21					
9	UV Lamp					
10	Centrifuge (Heavy Duty)					
11	Mechanical shaker					
12	Liquid Nitrogen Container					
13	Ice Machine					
14	Dry Ice machine					
15	Autoclave					
Total Bid Cost						

Technical Specification for the above mentioned Equipments

1. Moisture analyzer
Max. weighing capacity 200 g; Readability 1 mg, Temperature range 40°C to 160°C; Standby temperature selectable from 40 to 100°C; IR heating; Fully automatic, with timer settings
2. Bench Refractometer
Scales 1.32-1.54; Refractive index 0-100; Sugar (°Brix) 100; Resolution 0.0001; Accuracy ±0.0001; 20+ pre-programmed scales; Measuring temperature Range 5-40 °C; Light Emitting Diode 589 nm; Prism seal Silicon/Resin
3. Analytical Balance
Sartorius balance; Weighing capacity 120 g; Minimum sample weight 8.2 mg; Readability 0.01 mg; South Korea
4. Furnace
Compact muffle furnace with 30 segments; programmable up to 1050°C.
5. Chemical Safety Cabinets

Justrite, width 65 inch; Height 43 inch; cabinet depth 18 inches, cabinet capacity 60 gallons; number of shelves 05; Cabinet doors 2; self-closing doors; color Red.

6. Vacuum pump

Pumping Speed @ 50/60Hz 15L/min, ultimate pressure < 100 mbar, maximum over pressure 2.5 bar, hose nozzle DN6, silencer, motor power 20W,

7. Temperature control cabinets

Volume 130 L, Temperature range -20 °C, Static cooling, 4 cabinets, double doors, outer cabinet white, inner cabinet Aluminium

8. Spectronic 21

Spectronic 21 spectrophotometer, digital, Wave length 200-1000; Tungston-halogen lamp; Transmittance 0-100, Absorbance 0-1.99; Photometric concentration 0-1990, solid state detector; display type LED (3.5-digit)

9. UV Lamp

Voltage of power source: AC 220V±22V, 50Hz±1Hz; UV wavelength: 300nm (transmission), 254 nm (repercussion), 365 nm (repercussion); Filter size (UV light): transmission window: 200mm×150mm, Reflex window: 180mm×40mm; Filter size (white light): 238mm×198mm; Sensitivity: 0.001 ng EB tinct DNA

10. Centrifuge (Heavy Duty)

Speed range 100 - 15,000 rpm, capacity 24 x 1.5/2.0mL tubes, Temperature Control Range -10-40 °C

11. Mechanical shaker

ThermoFisher Sienthific, Maximum vessel size 6L Erlenmeyer flask, Speed 25 to 525 ±1rpm, Temp 4°C above ambient to 60°C, orbit 1 in. (2.5cm), with all accessories

12. Liquid Nitrogen Container

Cryomaster 600, Capacity 30 L;

13. Ice Machine

Capacity 20 kg/24 h; Storage Bin Capacity 4 kg, Refrigerant R134a/110 g; ice quality per cycle 16, power supply 110 V, 60 Hz

14. Dry Ice machine

Dry Ice Maker; Collection Bag, Clamp, and Plastic Cone

15. Autoclave

Chamber volume 45L; Temp up to 123 °C; Pressure up to 0.12 Mpa,
Fully Automatic Sterilization Proces

Convener
University Purchase Committee

