

TENDER NOTICE

Sealed quotations both for technical and financial proposals on prescribed tender forms are invited from reputed firms/dealers, Registered with income tax/Sales tax Department and Professional Tax for the purchase of Equipment's/Instruments on FOR and C&F basis Peshawar. Tenders supported by a call deposit of 2% of the quoted cost, should reach this office on or before 05.10.2017, at 11.00a.m. Tender will be opened in the presence of the bidders or their authorized agents the same day at 11.30am. Detailed tender documents along with specifications and term and conditions can be obtained from the office of the undersigned on cash payments of Rs.2000/-(Non- Refundable). The purchase committee has the right to accept or reject any or all the tenders. Tender notice can also be down load from PPRA website www.ppra.org.pk and university of Peshawar website www.uop.edu.pk.

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List of Minor Lab Equipment for Institute of Chemical Sciences 2017

| S.# | Name of Equipment | Broader Specifications <i>(The firm may also quote other than the required specification as an optional item)</i> |
|-----|---|--|
| 1 | Oven | Specification: Capacity: 32 liters Inner Dia: 350 x 320 x 320 Outer: 495(W) x 470(D) x 690(H) mm Temp. Range: Ambient +5C to 250C Temp. Set Accuracy: + 1.0 C Temp. Uniformity: + 3.0 C at 120C Heater: 1kW Controller: PID Multi-Function Controller, Alarm, Auto Tuning Timer: Automatic timer 0-99 min, 99hr, Continuous Safety: Over Temp., Cut-off, Over Current Breaker |
| 2 | Analytical Balance | Specification: Anti-vibration Level adjustment with ease Capacity: 220 gm Minimum Display: 0.0001 gm (0.1 mg) Pan Size approx. : 80 mm |
| 3 | pH meter | Specification: pH Range: 0-14 pH resolution: 0.01 pH Accuracy: 0.05 |
| 4 | Conductivity meter | Specification: Conductivity range: 0-1999 ms Conductivity resolution: 0.01 μ s to 1ms Range selection: automatic in 5 or 6 ranges |
| 5 | Orbital Shaker | Specifications: Speed Range: 30 to 300 RPM Orbit Dia: 16 mm Maximum Load: 03 KG Operational temperature range: +4 to 40C Overall dia (mm): 240W x 300D x 140H |
| 6 | Centrifuge Machine | Specification: Speed Range up to 15000 RPM Max. Capacity: 24 x 2.2 ml Angle Rotor 24 x 1.5/2.5 ml |
| 7 | Water Deionizer | Specifications: Conductivity: <1 μ s/cm Water input: ordinary tap water Purifying capacity (gal): 600 Flow rate: 1-2L/min |
| 8 | Magnetic Stirrer with temperature control | Specification: Temperature range: Ambient to 400 °C Speed range: 200 to 1500 rpm Control: Digital Platform: 6.5 x 6.5" |
| 9 | Melting point apparatus | Specifications: Temperature: up to 350 °C Type: Capillary tube Accommodates three melting point capillaries of up to 2 mm O.D. |

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| 10 | UV lamp | Specifications: Bench top with UV wavelength of 254 nm. |
| 11 | Overhead Stirrer | Specifications: Speed: up to 1300 rpm Stirring volume: up to 10 L |
| 12 | Ultrasonic Bath | Specifications: Working capacity: 3-5L Time range: 0-99 min (digital) Operating frequency: 40 kHz Maximum heating : ambient to 70 °C (digital) |
| 13 | Thermostatic water bath | Specifications: Temperature range: ambient to 100 °C with 6 holes and digital display |
| 14 | Polarimeter | Specifications: Resolution: 0.001° Arc Optical Rotation Accuracy: 0.002° Arc up to 1°, 0.2% above 1° Built in temperature probe Optional Wavelengths 365nm, 405nm, 436nm, 578nm |
| 15 | Refractometer | Specifications: Refractive Index (nD) 1.3000 to 1.7100 Scale Range: 0 to 100% Brix Hertz: 50/60Hz Measurement temperature: 5 to 50°C |
| 16 | Vortex Mixer | Specification: Speed: 3000 rpm Type: Test Tube Speed setting: variable up to 3000 rpm Orbit Diameter: 4 mm |
| 17 | Heating Mantles | Specifications: Volume capacity:250 mL and 500 mL Temperature: ambient to 350 °C Display: Digital |
| 18 | Chromatographic tank | Specifications: Dimension: 10x10x5 inches/ 22x14x6 inches |
| 19 | Top Load Balance | Specifications: Capacity: 300 gram Readability: 0.01 gram |
| 20 | UV Visible Spectrophotometer | Tungsten lamp & Deuterium Lamp can be turn on/off Individually to extend lifetime. Two-point method to measure concentration of unknown samples. Automatically Calibration and dark current getting wavelength range=200-1000nm Optical system=single beam Wave length accuracy=+2nm Photometric Acuracy=0.5%T Photometric Repeatabily:0.3%T Detector Semi-conductor photodiode With computer and printer. |

Meritorious Prof. Dr. Jasmin Shah
Convener
Purchase Committee

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