**DEPARTMENT OF PHYSICS**

**COLLEGE OF ENGINEERING AND TECHNOLOGY**

**TECHNOCAMPUS, GHATIKIA,**

**PO : MAHALAXMIVIHAR, BHUBANESWAR-751029**

**Letter No.467/Phy/CET Date:-23/02/2021**

**Quotation Call Notice**

Sealed quotations are invited from registered original Equipment Manufacturers/ Suppliers/Agencies/Authorized dealers having GSTIN, PAN for supply of Equipments/Instruments at the Department of Physics, College of Engineering and Technology, Technocampus, Ghatikia, Mahalaxmivihar, Bhubaneswar- 751029.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of Items with Specifications** | **Quantity** | **Unit Price without GST** | **GST%**  **and Cost** | **Unit Price with GST** | **Total Amount** |
| 1 | **Spectrometer :**  Technical Specifications :-  Scale : Brass,Dia:170mm L.C-20 Second  Objective: Achromatic lens, f=178mm, Aperture : 32mm, Slit: Brass with micrometer  Reticle: 90 cross etched on glass  Eyepiece: 10X, Gauss eyepiece, inbuilt magnifier  Base: 190mm Triangular, Cast Iron  Prism- Size: 38 × 38mm, Height: 38mm, Material: EDF | 02 Nos. |  |  |  |  |
| 2 | **Newton Ring Complete Set Up :**  Technical Specifications :-  Bridge type microscope  Eyepiece: Random 10x, Objective: 3x  Scale length: 110mm, Least count: 0.01mm  Newton’s Ring Reflector  Housing: PVC, Finish: matt black painted  Glass plate: Mounted at 450  Spherometer (Disc Brass)  Types: 3 legs Vertical scale: 6mm × 6mm (W×T)  Micrometer: Dia. 40mm, Brass,Lower disc: 60mm, Range: 10-0-10mm, Least count: 0.01mm, Sodium light source  Sodium Light Lamp 35W, Transformer with metal box  Lamp house: 300 × 85mm(L×Ф), Aperture dia:25mm | 02 Nos. |  |  |  |  |
| 3 | **Laser source Apparatus – Complete setup:**  *Technical Specification*  Optical Bench - Material: Black Iodinated alloy, Type: Hexagonal section, Scale: 0-100cm, Least Count: 1mm  Diode Laser - Peak wavelength: 635mm, Operating voltage: 5V DC, Operating count: 250mA, Optical power: 0.4-0.8mW, Laser Product: Class II, Operating Temp. :0-400 C  Pin Hole Photo Detector - Detector: Silicon photocell, Terminals: 4mm Safety socket, Aperture: 1mm, Rod: 10 mm Diameter  Slit Holder - Clear Aperture: 45 × 45 mm, Object holder: Clip Type, Mounting Rod: 10mm  Saddle With Micrometer - Material: Aluminium, Transverse Motion: 10-0-10mm, Least count: 0.02mm, Locking: Spring loaded, Motion: X-Y axis, Holder:10mm dia.  Single Wire - Frame Size: 50mm×50mm, Clear aperture: 15 mm dia. (approx), Wire  Cross Wire - Frame Size: 50mm×50mm, Clear aperture: 15 mm dia. (approx), Wire  Transverse Saddle - Material: Aluminium, Locking: Spring loaded, Motion: X-Y axis  Digital Multimeter - Resistance: 200w , 2000, 20k, 200k & 2000k W., D.C. Voltage: 200 & 2000mV: 20,200 & 600V, A.C. Voltage: 200 & 600V, D.C. Count: 2000mA,20 & 200mA, 10A  Diffraction Slide - Frame Sixe: 50mm ×50mm, Slit: Width = 0.06mm & Separation = 0.20mm (Single, Double)  Diffraction grating: 80lines / mm  Diffraction grating: 300lines / mm  Single slit: Tapered, Double slit: Tapered  Metal gauze: 300 mesh  All individually mounted in slide frames and protected by two, Glass plates. | 01 No. |  |  |  |  |
| 4 | **Surface Tension Apparatus – Complete setup:**  *Technical Specification :*  Constant water level reservoir can be adjusted on MS chrome plated rod on tripod stand  Rubber tube of length 1mtr.  Stopwatch,Thermometer, Pinch cock  Graduated cylinder 100ml, Manometer on wood stand ,Required no. of Glass capillary tube of length 38cm | 02 Nos. |  |  |  |  |
| 5 | Reading Telescope – with Stand Deluxe Type | 02 Nos. |  |  |  |  |
| 6 | **Bar Pendulum :**  *Technical Specification*  Brass Bar: 100 × 3.75 × 0.5cm3  (Drilled with 19 holes at equal distances of 5 cm)  Wall bracket, Meter scale: 100cm | 02 Nos. |  |  |  |  |
| 7 | Grating Element(15000LPI) | 04 Nos. |  |  |  |  |
| 8 | Bi-prism | 02 Nos. |  |  |  |  |
| 9 | Grating Element(100/300/600LPmm) | 02 Nos. |  |  |  |  |

The intenders are required to submit the offer enclosing GSTIN, PAN along with Authorized dealer certificate in their quotations. The registered original equipment manufacturer/suppliers/Agencies/Authorized dealers should write quotations for **"Supply of Laboratory Instruments to the Department of Physics, CET"**in bold letters on covered envelops. The intenders should quote as per the above format in their letter head.

The last date submission of quotations is **10.03.2021up to 4.00 PM** addressing to the **Principal, College of Engineering and Technology, Techno Campus, Ghatikia, P.O. Mahalaxmivihar, Bhubaneswar- 751029** by Speed post/Registered post only. Through Hand and Courier service delivery are not accepted. The authority will not responsible for any postal delay. The quotations will not be received after scheduled date and time. Suitable penalty amount will be imposed if the supply, installation and commissioning is not fully completed within the stipulated date. The authority reserves the right to reject any or all quotations without assigning any reason thereof.

**Sd/-**

**Head of the Department**

**CC:** PA to Principal, CET for kind information and necessary action.