***COLLEGE OF ENGINEERING AND TECHNOLOGY***

***TECHNOCAMPUS, GHATIKIA,***

***PO :* MAHALAXMIVIHAR*, BHUBANESWAR-751029***

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 Letter No. 447 /CET Date: 28/01/2017

**QUOTATION CALL NOTICE**

 Sealed quotations are invited from registered Manufacturers/Suppliers/Authorized dealers having valid VAT,PAN certificate to supply following Instruments for the Department of Physics at CET, Ghatikia, Mahalaxmivihar, Bhubaneswar as per the format on the Letter Head of the Manufacturers/Suppliers/Authorized dealers .

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| --- | --- | --- | --- | --- |
| **Sl. No** | **Name of Instruments** | **Specifications** | **Quantity** | **Unit Price** |
| 1 | Ballistic Galvanometer((i) Measurement of charge and current sensitivity  (ii) Determine a high resistance by Leakage Method  | 1.Lamp and scale arrangement for measurement of deflection.2.Power Supply for Ballistic Galvanometer3.Moving Coil with large Moment of Inertia4.Flexible Phosphor-Bronze Ribbon Suspension5.Highly Sensitive Coil6.Lamp and Scale Arrangement with Adjustable Stand7.Deflection Measurement Scale | 01set |  |
| 2 | OP-AMP Kit | OP-AMP Kit | 02 sets |  |
| 3 | MOSFET Kit | MOSFET Kit | 02 sets |  |
| 4 | Transistor as an Amplifier kit | Transistor as an Amplifier kit | 02 sets |  |
| 5 | Triode( Amplifier) Kit | Triode( Amplifier) | 01set |  |
| 6 | To determine the bandgap in a semiconductor suing PN-junction diode | 1. 2V D.C. at 10mA, regulated Power Supply.2.Digital Microammeter, 3½ digits having range 200uA D.C.3. Semiconductor Diode.4. Thermometer 0-110 °C.5. Oven, Electrically heated to heat the Semiconductor Diode.6. Mains ON/OFF switch and Fuse.\* The unit is operative on 230V ±10% at 50Hz A.C. Mains.\* Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.\* Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.\* Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References. | 01set |  |
| 7 | Half Adder, Full Adder and 4-bit binary Adder kit | Half Adder, Full Adder and 4-bit binary Adder kit | 01set |  |
| 8 | **Vacuum diode :**  Determine the work function of the material | Ideal diode, optical pyrometer, work function measuring instrument, DC voltage meter (0~150V), DC current meter (0~1A) and digital multi-meter. | 02sets |  |
| 9 | LED and Laser diode charactristics apparatus (I~V characteristics of LED and laser diode)  | variable power supply, digital voltmeter, digital milliammeter, LEDs (4 nos), Diode Laser with holder, photo detector, bases | 01set |  |
| 10 | Digital Multimeter for measuring (i) resistance, (ii) AC and DC voltages, (iii)DC current, (iv) Checking electrical fuses)  | Digital multimeter(For measuring (i) resistance, (ii) AC and DC voltages, (iii)DC current, (iv) Checking electrical fuses) | 01set |  |
| 11 | Melde’s Apparatus | Electrically maintained tuning fork, fine thread, scale pan, weights and meter scale. | 01set |  |
| 12 | Comparison of emf’s using stretched wire potentiometer | 1.Potentiometer, 2.Daniel cell3.Leclanche cell, 4.Jockey5.Battery eliminator, 6.Resistance box7.Galvanometer, 8.One way key9.Two way key, 10.Rheostat11.Ammeter, 12.Connecting wires | 01set |  |

 The onsite delivery and cost of the above mentioned item should be quoted mentioning detailed technical specifications. The intenders are required to submit the offer enclosing VAT,PAN along with their quotations. The registered Manufacturers/Suppliers/Authorized dealers should write quotations for “**Supply of Instrument for Department of Physics**” in bold letters on covered envelops. The firm should not be blacklisted during last three financial years.

 The last date submission of quotations is **15.02.2017 up to 4.00 PM** addressing to the **Principal, College of Engineering and Technology, Techno Campus, P.O. Mahalaxmivihar, Bhubaneswar- 751029** by Speed post/Registered post/Courier only. No hand delivery is accepted. The authority will not responsible for any postal delay.

 The authority reserves the right to reject any or all quotations without assigning any reason thereof.

 **Sd/-**

 **Principal**