



राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान, जायस, अमेठी- 229304 (उ.प्र.)
(Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi-229304 (U.P.)
(संसद के अधिनियम के अधीन स्थापित राष्ट्रीय महत्व का एक संस्थान)
(An Institute of National Importance established under the Act of Parliament)
Dept. of Sciences & Humanities

Ref. No.: RGIPT/JAIS/ S&H-UG-PHY-LAB/ Nov/1/2023-24

Sub: Quotation enquiry for supplying equipment at RGIPT Jais, Amethi (UP)

Dear Sir/Madam,

We request you to quote your competitive rates for the following items as per terms and conditions on letterhead of your firm/ company:

Sl. No	Name of Equipment	Specification	Quantity
1.	Newton`s Ring Setup	Set up must be completed in all respect together with all necessary attachment /accessories including : 1.Sodium lamp Assembly: - Consist in three parts (Wooden Box for Sodium Lamp 35-Watt, Proper AC Controlled Transformer for Sodium Lamp 35 Watt, Philips Sodium Lamp 35 Watt). 2.Travelling Microscope (Bridge Type with XYZ Motion): - A heavy cast iron bridge type body with fitted telescope with eyepiece 10X, also fitted brass strip with engraved graduation. 3.Wooden box fitted with Plano Convex Lens 120cm radius of curvature and 4.Plane glass plate inclined at 45° 5.Other Supporting Accessories: - Spherometer, Magnifying Lens.	1
2.	Diffraction Grating	Supplied complete with the following: - 1.Advance Spectrometer: - A Heavy Cast iron base with fitted circular center brass vernier 0-360 Degree with dia 6 inch & vernier least count 30 sec., Two telescopic arrangements with one end fixed collimating tube with one end adjustable slit and condensing lens, other rotating telescope with one end condensing lens & eyepiece 10 X. 2.Sodium Light Source: - Wooden Box with three holes, Sodium Lamp 35-Watt, Sodium Lamp Transformer 35 Watt. 3.Others: -Diffraction Grating with 15000 LPI`s, Meg. Lens with LED, Spirit Level.	1
3.	Rydberg`s Constant	For performing this experiment we need following accessories. •A Spectrometer: - A Heavy Robust/rigid MS base with fitted collimating fixed tube with adjustable slit & moving telescope with eyepiece 10X, center	1



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		<p>Brass disc with dia 7 Inch & vernier constant -30 Sec, Center rotator with grating & prism holder.</p> <ul style="list-style-type: none"> •Hydrogen Spectrum Tube Power Supply: - An Electronics unit with in built fitted variable power supply upto 5000 V, 10 mA. •Sample Hydrogen Tube: - Proper Calibrated glass tube with in built fitted two node with center sharp narrow, shaded dark output pink light. •Diffraction Grating;- 15000 LPI (with perfect two order). •Other Accessories: - Meg. Lens with LED & Spirit Level. 	
4.	Single Slit Diffraction Setup	<p>(a). Diode Laser 5 mW:- An Electronics unit with in built regulated power supply, mounted RED Colour Laser Diode with housing with connector. Output Light Wattage:- 5mW.</p> <p>(b). Optical bench 1.5 Mtr Long having both CP rod heavy quality:- A Pair Rod:- 1.5 Mtr Length long with dia 18/19mm in which one rod is engraved & graduated scaling with 150 cm & other plane. Both rods are made of metal & chrome plated . Accessories:- Pair of Round shape supported feets of MS material with leveling screw, four uprights in which two are fixed riders & other two movable riders.</p> <p>(c). Screen:- A Bakelite Board with Iron Rod & stand (d) . STD Single Slit with Micrometer Based.</p>	1
5.	Stefan`s Constant Setup	<p>Complete setup consist of following parts...</p> <ul style="list-style-type: none"> • Electronics Power Supply:- Variable DC Power Supply (0-12)V, (0-2)A For Bulb, mounted digital voltmeter (0-19.99)V, ammeter (0-1.99) A, Also mounted special dual range digital voltmeter (0-1.99/0-19.99)VDC. • Special Lamp with stand, Solar Cell with stand. • 4 mm Patch Cords. 	1
6.	Planck`s Constant Setup.	<p>Technical Specifications :</p> <ul style="list-style-type: none"> • Inbuilt Variable DC Regulated Power Supply • Output voltages : 0-1 VDC • On Board Digital Meters • Voltmeter : 0 - 2 VDC (Digital) • Ammeter : 0 - 200 Micro ADC (Digital) • Photocell mounted on wooden box having 	1



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		<ul style="list-style-type: none">• Photocell mounted on wooden box having windows for injecting light and also for sliding the various filters.• Power requirement : 230 VAC 10%, 50Hz. Standard Accessories : <ul style="list-style-type: none">• Three round filters of different colors .• Lamp holder with Sixty-watt bulb.• Power chord, Patch chords	
7.	Energy bang gap in Semiconductor Diode	Technical Specifications : <ul style="list-style-type: none">• Inbuilt Fixed DC Regulated Power Supply• Output voltages : +2 V; Output current : 10 mA• On Board Digital Meters• Voltmeter : 0 - 2 VDC (Digital)• Ammeter : 0 - 200 mADC (Digital)• Power requirement : 230 VAC 10%, 50Hz. Standard Accessories : <ul style="list-style-type: none">• Semiconductor diode, Thermometer 0 - 110 degC• Oven, electrically heated to heat the Semiconductor diode• Power chord, Patch chords	1
8.	Tunnel Diode Characteristics Setup	Technical Specifications : <ul style="list-style-type: none">• Inbuilt Fixed DC Regulated Power Supply• Output voltages : +5V; Output current : 150 mA• On Board Digital Meters• Voltmeter : 0 - 10 V(Digital)• Ammeter : 0 - 200 mA (Digital)• Power requirement : 230 VAC 10%, 50Hz. Standard Accessories : <ul style="list-style-type: none">• Tunnel Diode (1N3717); Series resistor 470E• Potentiometer for voltage control; Resistor for current control• Power chord, Patch chords	1



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Terms and Conditions:

1. Quotation must be sent in a **sealed envelope** with the word **“Quotation for “equipment for Physics UG Lab”** and addressed to the office of the Department of Science and Humanities, 5th Floor, AB-2, RGIPT, Jais, UP – 229304. Our reference number and last should be clearly marked over it.
2. Last date and time for the quote: 30.11.2023 till 17:00 hours in the office of the Department of Science and Humanities, 5th Floor, AB-2, RGIPT, Jais, UP – 229304. Quotations received after the due date, for whatever reason, will not be considered for evaluation.
3. All charges (packing, freight, installation, and commissioning) including appropriate GST % should be mentioned in detail. Kindly mention your GST registration number and PAN in the quotation.
4. Clearly mention the date of the validity of the offer. The quoted rate should be valid for a period of 2 months from the last date of submission of the quotation. Conditions of supply and terms of payment shall also be clearly mentioned in the quotation.
5. Supply must be executed in full within 15 days from the date of receipt of the order. Penalty @1% per week of the order value and a maximum of 10% will be deducted in case of delay in supply.
6. Supply may be rejected, if not found up to the mark or in contrary to the quotation.
7. Bidders must also provide product brochures.
8. Kindly mention your E-mail ID and mobile number.
9. The sealed quotations will be opened in the purchase committee meeting to be held in the office of the Department of Science and Humanities.