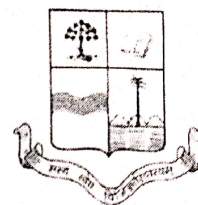




Department of Physics
PATNA SCIENCE COLLEGE, PATNA



Patna University, Ashok Rajpath, Patna – 800005

Reference No.: MRPU-RS-PHY/Purchase/QC-01

Date: 21-01-2025

Department of Physics, Patna Science College, Patna University desires to purchase the following Apparatus / Equipments / Consumables under the minor research project entitled with “**Synthesis and Characterization of Novel Rare-Earth-Free Permanent Magnets**” sanctioned to Dr. Rohit Singh, Department of Physics, Patna Science College, P.U. (MRPU-RS-PHY) by Patna University with sanction letter no. **005/R&DC/RP/PU/Sanction (Serial No. 2)** dated **16/01/2024**.

S. No.	Equipment / Consumables	Specifications	Required No. of Units
Equipment			
1.	Electrodeposition Set-up	Potentiostat / Galvanostat: <ul style="list-style-type: none">• Current – 100mA• Potential – 2.3V Software Technique: Cyclic Voltammetry Accessories: Ag/AgCl reference electrode and Platinum wire counter electrode	1
2.	Spin Coating unit with Vacuum Pump	Technical Specification: <ul style="list-style-type: none">• Polypropylene / Stainless Steel Working Chamber (removable), size 6 inch diameter, with transparent photoresist lid with interlock safety switch• RPM: Maximum 8000 – 10000• Microprocessor Programmable Speed control with respect to time• Oil Free Vacuum Pump	1
3.	Hot-Plate with Magnetic Stirrer	<ul style="list-style-type: none">• Type of Product: Digital Magnetic Stirrer with RPM Meter with Hot-Plate• Top Material: Steel• Temperature: 300 °C	1
4.	Desktop for interfacing with Electrodeposition Set-up	HP All-in-One 27, 13 th Gen Intel Core i3-1315U, 27inch (68.6 cm) FHD, Three-Sided Micro-Edge, 8 GB DDR4, 512GB SSD, Wireless Keyboard and Mouse	1

		Combo, Windows 11 Home	
Consumables			
5.	Indium Tin Oxide (ITO) Substrate	Size: 15mm × 20 mm	25
6.	Beakers	Borosilicate glass	10
7.	Beaker special designed for Electrodeposition	Borosilicate glass	2
8.	Platinum Electrode	Length: 5 cm and Diameter: 0.1 mm (wire)	1
9.	Reference Electrode	Silver-Silver chloride electrode (Ag/AgCl)	1
10.	Crocodile Clips	Corrosion Resistive and Plastic Insulated	6
11.	Nickel Chloride	100g, Merck	1
12.	Nickel Sulphate	100g, Merck	1
13.	Manganese Sulphate	100g, Merck	1
14.	Manganese Chloride	100g, Merck	1
15.	Iron Sulphate	100g, Merck	1
16.	Iron Chloride	100g, Merck	1
17.	Boric Acid	500 g, Merck	1
18.	Acetone	2 litre, Merck	1

For these **Apparatus / Equipments / Consumables**, we invite the quotations from the reputed firm by 6th February 2025 to supply these items within 30 days after issuing a purchase order.

Term and Conditions:

1. Price should inclusive with GST.
2. Quotation validity should be 30 days.
3. Warranty of at least 2 Years.
4. Payments 100% Bill Basis through Account Payee Cheque/RTGS.
5. Installation will be done at customer site.

*The quotation should be sent to the address "Dr. Rohit Singh, Assistant Professor, Department of Physics, Patna Science College, Patna University, Patna, Ashok Rajpath, Pin Code – 800005".

Best regards,

Rohit Singh
21/01/2025

Dr. Rohit Singh

(Principal Investigator)

Assistant Professor

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Rohit Singh
21-01-25
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