UNIVERSITY DEPARTMENT OF PHYSICS
PATNA UNIVERSITY, PATNA
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Inviting Quotation

Reference: Physics/69/2026 **Date: 26/02/2026**

University Department of Physics, Patna University, Patna desires to purchase the following items under the minor research project entitled " Investigation the role of substrate on the Synthesis and Characterization of CVD grown Layered 2D-Materials" sanctioned by Patna University to Dr. Sandeep Kumar Garg (PI), University Department of Physics, Patna University (the sanction letter memo no. 001/R&DC/RP/PU/Sanction (S.N. 08), dated 26/08/2023).

Subject: Inviting of sealed quotation to supply instrument/equipment for the minor research project in the University Department of Physics, Patna University, Patna.

Sl. No.	Equipment	Specifications		Quantity
1	Source Meter Unit (SMU) 4 Quadrent	Functionality	Should have capbility of: Voltage source, Current Source, 6.5 digit DMM(DC V , DC I , Ohm), Electronic Load , Battery Simulator and Pulse Generator Independent measurement of IV characteristic in 4-quadrant	01
		Output Power	20W or higher	
		Connector Type	The instrument should support operation from both the front and rear panels, with one side featuring a low-noise triaxial connection.	
		Voltage (Source and Sink) :		
		Range	±200mV to ±20V (4 selectable range or better)	
		Lowest Resolution	1uV source resolution @ 200mV range, 100nV measurement Resolution @ ±200mV	
		Source Accuracy	0.015%+300µV @±200mV Range	
		Measure Accuracy	0.015%+300µV @±200mV Range	
		Current (Source and Measrue)		
		Range	±10nA to ±1.5A (should have at least 10 ranges)	
		Lowest Resolution	100fA source and 10fA measure @ ±10nA Range (Or Better)	
		Source Accuracy	0.1%+100pA	
		Measure Accuracy	0.1%+100pA	
		Resistance	Range : 2Ω to 200MΩ or Better	

DC pulse	Should support a peak current of at least 0.1A at the maximum voltage range. Min. pulse width : 100us
Sweep Functiion	Std. Mode : linear and logarithmic modes, single and double sweep functions and constant and pulsed sweep operation. List Sweep Mode : any arbitrary waveform , support Excel Import or panel edit to generate sweep, upto 99,999 data point can be import
Display	5inch touch screen with Graphical display and numerical display, Should Support Scope View: Should allow to view Historical Waveform and table data over period of time. Support exporting to .csv for further analysis.
Multi-Channel Cascade	Should Supports Multi-ch. Expansion
Interface Ports	Built-in USB/LAN/
Front panel USB port	Front USB port used for data storage, screen capture, or test configuration
Battery Simulation Function	Should be Available
Data Memory capacity	1 million points or better
GUARD (offset voltage protection)	<1mV
Common Mode Isolation	>1GΩ, <4700pF
Operating temperature	0~40°C
Warranty	1 Yr

For the above, quotations are invited from reputed firms by 7th March, 2026 by 5:00PM.

You are requested to send quotation for the supply of the following items for subjects to the conditions below:

1. Price should be inclusive of taxes.
2. The equipment should be supplied within 10 days from the date of issue of purchasing order.
3. Quotations should be valid 1 months.
4. Condition of Payment:100% payment would be given in 15 days after successful installation of equipment on bill basis through account payee cheque only.
5. Installation will be done at the customer site.
6. Warranty should be at least one years or better.

The quotations in the Sealed packed envelope should be sent to the address "Dr. Sandeep Kumar Garg (PI), University Department of Physics, Patna University, Ashok Rajpath, Patna – 800005."

Regards,

26/2/26

Dr. Sandeep Kumar Garg (PI),
University Department of Physics,
Patna University, Patna – 800005
Mobile No. 9238987888

27/2/2026

HoD
University Department of Physics,
Patna University, Patna University, Patna

HEAD OF THE UNIVERSITY
DEPARTMENT OF PHYSICS

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Copy To :- IT Cell, P.U.