



**UNIVERSITY DEPARTMENT OF PHYSICS
PATNA UNIVERSITY, PATNA**

105 Years of Excellence

Reference No.: *Physics/174/2024*

Date: 31-08-2024

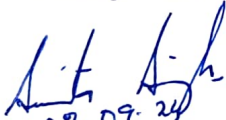
To,
The Professor in-charge IT Cell
Patna University, Patna

Subject: Request to publish the list of apparatus/equipments/consumables for the quotation invitation, on the Patna University website.

Sir,

Department of Physics, Patna University desires to purchase the Apparatus/Equipments/Consumables (**list attached**). For these Apparatus/Equipments, we invite the quotation from the reputed firm by 14th September 2024 to supply these items within 21 days after issuing a purchase order. We request you to kindly publish the list of apparatus/equipments/consumables for the quotation invitation, on the Patna University website.

Thanking You.


02.09.24
Head

Prof.(Dr.)Sumita Singh
Department of Physics
Patna University, Patna

HEAD OF THE UNIVERSITY
DEPARTMENT OF PHYSICS
PATNA UNIVERSITY



UNIVERSITY DEPARTMENT OF PHYSICS PATNA UNIVERSITY, PATNA

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[Estd 1917]

Date: 31/08/2024

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Department of Physics, Patna University desires to purchase the following Apparatus/Equipments.
Lab-I MPHYCC-04

S. No.	Apparatus/Equipments	Specifications	No. of unit required
1.	Cornu's setup	Cornu's set up: sodium lamp with assembly and power supply; travelling microscope; glass plate, convex lens, optical transparent plate of acrylic; slotted weights 6x50g	1
2.	Hall effect setup	Aluminum windings; Electromagnet with digital power supply and constant current power supply: Hall current 0 – 10 mA, Hall voltage 0 – 200 m V; Power: 220V \pm 10%, 50 Hz; Crystal: n – type and p – type lightly doped Germanium (Ge).	1
3.	Four probe setup	Digital milli voltmeter/ammeter, four probe arrangement; oven (0 - 200° C); Germanium (Ge) crystal mounted; thermometer-mercury type (0 - 200° C); Power: 220V \pm 10%, 50 Hz;	1

Lab-III MPHYCC-14

S. No.	Apparatus/Equipments	Specifications	No. of unit required
1.	1 MHz Multi Waveform Signal Generator	Frequency Indication Accuracy : $\pm 1\%$ +1 digit, Frequency Stability : $< 0.5\%$ of the set frequency (after $\frac{1}{2}$ Hour warm up), Duty Cycle : 10% to 90% variable., Frequency Indication : $\pm 1\%$ ± 1 digit., Maximum Output Voltage, Output Impedance : 50 ohms., Output Waveforms : Sinusoidal, Triangle, Square, Ramp, Pulse, TTL (Sync) & DC Outputs., Sine Distortion : $< 1\%$ (typical), Frequency Range : 0.01Hz to 1MHz in 8 decade ranges., Square Wave Rise / Fall Time : < 75 sec.	2
2.	Regulated DC Power Supply	1 Amp Regulated DC Power, 2-12 Volt Battery Eliminator, Power Supply	5
3.	Digital Storage Oscilloscope 2CH Dual Channel 100MHz Bandwidth with Built-in 1CH 5MHz Waveform Generator	Built-in 1 CH 5MHz waveform generator 2 channels, both are respectively controlled by independent knobs 100 MHz, 150MHz analog channel bandwidth 1 GSa/s real-time sample rate	2

For these Apparatus/Equipments/Consumables, we invite the quotation from the reputed firm by 18th September 2024 to supply these items within 21 days after issuing a purchase letter.

Terms 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
5. Installation will be done at customer site

*The quotation should be sent to the address "Head, Department of Physics, Patna University, Patna, Ashok Rajpath, Pin-800005".

Best regards,

Prof. (Dr.) Sumita Singh
Head, Department of Physics
Patna University, Patna

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PATNA UNIVERSITY