



Shri Mata Vaishno Devi University

श्री माता वैष्णो देवी विश्वविद्यालय

Kakryal, Katra-182320 (J&K), India

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(Recognized Under Section 2(f) and 12 (B) of UGC Act, 1956)

Faculty of Sciences

School of Physics

Ref. No.: SMVDU/SoP/24/343

Dated: 09/10/2024

Notice Inviting Quotation

Sub:- Supply of Equipments for M.Sc. General Physics Lab

Quotations in sealed cover are invited for the supply of Equipments for M.Sc. General Physics Lab on behalf of Registrar SMVDU for the Head, School of Physics, SMVDU; from reputed registered firms having a valid GST Number and PAN Number, and for supplying rates for the below mentioned jobs:

S. No.	Name of the Equipment	Detailed Specifications	Qty
1	Biot Savarts Law Setup	1. Three different types of sample bobbin coils with different length/area. 2. IC Regulated DC Power Supply (0-30) (0-5)A with digital voltmeter & ammeter with in built digital Gauss Meter:- Sample Aerial Probe with material InAs with zero adjustment and digital display with range (0-2/0- 20) Kilo Gauss . 4. Optical Bench(one meter) with sliding uprights along with Holding Clamp & Coil Mounts. 5. Detailed manual & installation	01
2	Planck's Constant	Inbuilt Variable DC Regulated Power Supply Output voltages : 0-1 VDC On Board Digital Meters Digital Voltmeter : 0 - 2 VDC Digital Ammeter : 0 - 200 Micro ADC Photocell mounted on metal box having windows for injecting light and also for sliding the various filters. Standard Accessories : Five round filters of different colors, Lamp with housing and intensity variable, Power chord, Patch chords, Detailed manual & installation	01
3	Balmer Series of Hydrogen	A Spectrometer:- A Heavy Robust/rigid MS base with fitted collimating fixed tube with adjustable slit & moving telescope with eye-piece 10X, center Brass disc with dia 6 Inch & vernier constant -30 Sec, Center rotator with grating & prism holder. 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:- 01Meg. Lens with LED & Spirit Level. Detailed manual & installation	01
4	Diode Laser Kit	(a).Diode Laser :An Electronics unit with in built regulated power supply, mounted RED Colour Laser Diode with housing and connector, Output Light Wattage:- 5mW (b) Optical Bench:- 1.5 Meter Optical Bench with S.S , Full Shaper. (c) Set of different slides for patterns (d) Screen:- A Bakelite Board with Iron Rod. (e) Other Accessories:- Grating Holder, Graph Paper & Sample Wire, Screw Gauge. (f) Detailed manual & installation	01
5	BH Curve Setup	B-H curve electronics unit with in built variable Stepply AC Supply 10,20,30 V, mounted sample transformer with primary and secondary tapping output through resistance and capacitance, variable resistance pot for phase control. The simple control panel is similar to an analog oscilloscope 1-Channel 130,000 wfms/s waveform capture rate, easily capturing exceptional and low-probability	01

		events 3.7" Colored LCD Compact case Power Supply(V): 100V – 240V AC Impedance (Ω): (At Input) $1\text{ M}\Omega\pm 2\%$ Bandwidth(MHz): 10 No. of Channels: 1 Sample Rate: 100MS/s Detailed manual & installation	
6	Specific heat of solids	Electronics Power Supply:- Dual Range Digital power supply (0-30)VDC, with variable current (0-2)A, mounted digital voltmeter and ammeter. Joule Calorimeter Assembly with heating element. Hard Density Sample Oil. Solid Blocks Samples. Digital Stop Watch. Digital Temperature Meters. Imported Digital Weighing Machine. with detailed manual & installation	01
7	Band gap of semiconductor with digital CRO	Instrument comprises of DC Regulated Power Supply 0-5VDC/150mA, two digital meter for Current measurement, one PN Junction Diode (Ge type) is kept in Oven, connections of supplies, Meter and Diode brought out at 4 mm Sockets. Also provided with Oven with temperature on / off control switch with detailed manual & installation	01
8	Faraday's Effect	Diode Laser :An Electronics unit with in built regulated power supply, mounted RED Colour Laser Diode with housing with connector. Output Light Wattage:- 5mW Optical Bench:- With 1.5 Length Long S.S rods, two slow motion rider, two fixed rider, two stand. A Solenoid rod with sample glass rod (For Measure Verdent Constant) Power Supply for Solenoid with digital meter Analyser & Polariser with rod. Suitable Stand for Coil & Laser. Photo Cell with multimeter. with detailed manual & installation	01
9	Dielectric Constant Kit	Main unit consists of a) Digital voltmeter (0-9.99 V ac) b) Audio oscillator (1KHz) c) Standard Capacitors (pf, nf) Dielectric cell consists of two 1" dia. gold plated brass discs fitted in between the cell holder. Furnace : PID Controlled (RT – 150 oC) Thermocouple Ferroelectric Samples with detailed manual & installation	01


The sealed rate quotations should reach the Central Dispatch Section SMVDU latest by 18th Oct, 2024, by 2:30 P.M. Any quotation received after the due date and time shall be summarily rejected. The sealed bids shall be opened on the next working day at 2:30 P.M. in the presence of authorized representatives, should they wish to attend the same.

Terms & Conditions

- Rates should be written in figures as well as words. Delivery duration. GST rates. Delivery charges or any other rates/charges, as applicable, and discount if any, should be clearly mentioned in the **Schedule of Quantities** [Format enclosed at Annexure 'A'].
- The last date for receipt of sealed quotations in the Central Dispatch Section SMVDU is latest by 18th Oct, 2024 at 2:30 P.M.
- The quotation / **Schedule of Quantities** should be on the letter head of the Company with reference no. and date on it duly signed and stamped.
- The quotations should be submitted in sealed cover, addressed to the Head of School of Physics, super-scribing the NIQ issue number & date and due date & time failing which the quotation is liable to be rejected.

5. Price quoted for the material / equipment/ service as may be applicable shall be final and valid for 3 months.
6. Quotation without the authorization from the Company will not be accepted.
7. Delivery of material /equipment / service as applicable mentioned in this quotation will be supplied/ provided by the supplier at School of Physics, SMVDU, Kakryal, Katra-182320 (J&K).
8. Rate offered must be for metric system of unit lengths or volume or weight in case of procurement of material/ items.
9. Documents in support of valid GST and PAN Number also need to enclose with the quotation.
10. SMVDU reserves the right to increase the quantity mentioned in this NIQ or to split this quotation and place order on one or more suppliers/ bidders; as well as, the right to reject partly or completely, the quotations without assigning any reasons thereof in case of procurement.
11. The quotation should be complete in all respects and the firms shall give the Make/ Brand name offered for the items/ spare parts in the quotations. Wherever applicable, technical literature may please be enclosed along with quotation.
12. The payment shall be released only after the receipt of all and complete material/equipment/ service (equipment/ items) having being brought back to good working condition and its inspection by a duly constituted Inspection Committee.
13. Material/ equipment shall be guaranteed/warranted for the minimum period of 01 year on site for satisfactory performance, workmanship and for the quality of material/ equipment supplied by the firm from the date of delivery/ installation.
14. Quotation received after DUE DATE & TIME will not be considered. SMVDU shall not be responsible for delays in postal transit.
15. All taxes / duties should be clearly mentioned in the Quotation.
16. In case of service the authorized vendor/ service provider shall mention detailed heads of expenditure which shall include inter area cost of spare parts, visit of service engineer, postal charges if any, cost of shifting the equipment/ item to the service centre and back if any etc.
17. PACKING: The equipments shall be packed suitably for dispatch directly to SMVDU at Suppliers expenses and supplier shall be responsible for any damage during transit.
18. AFTER SALES SERVICE: The offer shall clearly state full details of the after sales service facility available for the equipment.
19. JURISDICTIONS FOR DISPUTES: In all disputes, the decision of the Registrar, SMVDU, shall be final, conclusive and binding on the supplier. All disputes shall be subject to the jurisdiction of the courts in the District, Jammu.
20. DEVIATIONS: Deviations, if any from the specifications given which provide for improvement in the functioning of the equipments will be accepted. Such deviations and their advantages shall be clearly brought out in the tender / quotation.

The NIQ shall be available on the University Website: www.smvdu.ac.in. For any query contact School of Physics, SMVDU at the following email id: office.sop@smvdu.ac.in

Signatures:.....
Head, School of Physics
Date: 09.10.2024

Annexure "A"

[To be provided on Firm/Company Letter Head]

Schedule of Quantities

Name of the Job: Supply of Equipments for M.Sc. General Physics Lab

Ref: NIQ Number :..... Date:

Sr. No.	Details of the Item	Qty.	Rate per item	Amount in Rs.	GST rate	GST Amount in Rs.	Total Amount inclusive of GST in Rs.	
1								
2								
3								
4								
5								
6								
7								
8								
9								
	Less: Discount if any							
	Add: Delivery Charges if any							
	Net Amount to be paid in Rs.							
	Delivery Period							

Additional Terms and Conditions [if any]:

.....

Bank details for RTGS Transfer

Name of the Account:

Account No.:

Account Type:

Bank Name:

Branch name and Address:

IFSC Code:

Signature & Stamp of the Supplier