

**NETAJI NAGAR COLLEGE FOR WOMEN****REACCREDITED BY NAAC WITH GRADE B'**

170/13/1, Netaji Subhas Chandra Bose Road

Regent Estate, Kolkata-700 092

E-mail : netajinagarwomen@yahoo.com

Website : www.netajinagarcollegeforwomen.in

Ref.No.: NNCW/909/25


Date: 23.9.2025

**Tender/Quotation Notice****Subject: Notification Inviting Quotations for Procurement of Various Scientific Instruments and Equipments**

Comparative Quotations are invited for the following items and installation under "RUSA 2.0 fund of the College". Interested authorized vendors are requested to submit their quotations on or before 09.10.2025 in a sealed envelope addressed to "The Principal, Netaji Nagar College for Women, 170/13/1 N.S.C Bose Road, Kolkata: 700092" in College Office Letter Box. (In front of the College Gate)

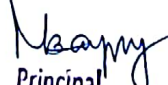
**Descriptions:**

Serial no	Equipment name	Quantity
1	Electric Melting point Apparatus	2
2	Electric Hot Water Bath with thermostat	1
3	Digital Conductivity Meter with Electrodes	1
4	Digital Potentiometer with electrodes	1
5	Digital pH Meter with Electrodes	1
6	Digital Photo Colorimeter (400-700nm)	2
7	Burette Stands (Polycarbonate)	06+05=11
8	Pipette Stands (Polycarbonate)	2

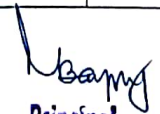
  
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9	Microwave Oven 20 lt	2
10	Hot Air Oven (12"X12"X12") 28 lt	1
11	Vacuum Pump for Laboratory (oil free)	1
12	Microtome Machine for paraffin block sectioning	1
13	Micropipette i. 1-10 $\mu$ l (1 pc) ii. 20-200 $\mu$ l (1 pc) iii. 100-1000 $\mu$ l (1 pc) iv. 10-1000 $\mu$ l (1 pc)	1 each
14	Autoclave	1
15	Pen pH Meter	1
16	Stethoscope	1+4=5
17	Remi Small Incubator Shaker	1
18	Horizontal Vertical Electrophoresis Unit + Power Supply	1
19	Ocular Micrometer for Hematology	2
20	Noise Meter	1
21	Centrifuge Machine REMI304( 7000 RPM) with 15 ml rotor head	1
22	Aneroid Sphygmomanometer	4
23	Pulse Oximeter	1
24	ECG Machine (3-channel ECG)	1
25	Manual Spirometer (Water Sealed) with recorder	1
26	Pneumograph	2
27	Tuning Fork 128Hz,256Hz,	4

  
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28	<p>To determine the coefficient of viscosity of water by Poiseuille's method</p> <p><b>Specifications:</b>  <b>Complete experimental set up for above expt.</b>  <b>Viscosity apparatus by capillary flow method.</b>  <b>The apparatus consists of a 50 cms. long manometer capillary tubes of 2 different lengths of 50 cms &amp; 30 cms. constant level tank of brass with adjustable height.</b></p>	1 set
29	<p>Construction of SR and D Flip Flop circuits using NAND gates (Complete with power supply &amp; circuit arrangement.)</p>	1 set
30	<p>Measurement of pressure coefficient of expansion of air by Jolly's apparatus</p> <p><b>Jolly's apparatus Only</b></p>	1 set
31	<p>Measurement of thickness of paper by interference pattern created by a Wedge-shaped film</p> <p><b>* Excluding travelling microscope</b></p> <p>A set consisting of a plane glass plate fixed in holder making an angle of 45 degree with horizontal direction, Two microscope slides, A thin paper</p>	1 set
32	<p>Measurement of Planck's constant using LED</p> <p>Complete with power supply, Digital meters, LEDs, Circuit arrangement.</p>	1 set
33	<p>To draw the resonance curve of a series LCR circuit</p> <p>L-C-R arrangement, Audio Oscillator 10KHz with Digital Frequency counter, Digital AC Millivoltmeter with very high input impedance &amp; 10 KHz bandwidth, Digital AC Milliammeter, necessary jacks &amp; cords &amp; detailed manual.</p>	1 set
34	<p>To study the ac characteristics of a series RC circuit and calculation of capacitance from current reactance graph</p> <p>1. To study the response curve of a series LCR circuit and determine its (a) Resonant frequency, (b) Impedance at resonance, (c) Quality factor and (d) Band width  2. To measure the voltage across the Inductance (L), Capacitance (C) &amp; Resistance (R) of a Series LCR circuit for different frequencies of the input voltages</p>	1 Set

  
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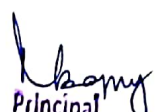
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	<p>with the help of an AC Millivoltmeter &amp; hence 3) To study the variation of Impedance of L &amp; C with frequency of the impressed voltage, 2) 4. To draw the resonance curve of the series LCR circuit &amp; to determine the Q factor of the circuit.</p> <p>Complete with Audio Oscillator - Sine wave 0-10V p-p 10KHz with digital frequency counter, digital ac voltmeter, digital ac ammeter or voltmeter, digital frequency counter, different values of L, C &amp; R. Complete in all respect with detailed manual.</p>	
35	<p>To study the photoelectric effect: variation of photocurrent versus intensity and wavelength of light.</p> <p>Photo valve mounted in box, fitted with high intensity light with illumination control and provided with an AC ammeter to measure current variation of the light source. 04 different colours of high quality optical filters for wavelength variation, digital microammeter, digital millivoltmeter to measure photocurrent and applied voltage and provision for distance variation of the, phototube from the light source.</p> <p>Set of high quality optical filters - set of 04 different colors Black box with scale - arrangement to adjust distance of phototube.</p>	Full set up with out DC Regulated power supply
36	DC Regulated power supply of (12V)	3
37	<p>Different Practical items</p> <ul style="list-style-type: none"> <li>• 4 Vero boards,</li> <li>• Capacitor sets (1pF -1 <math>\mu</math>F to 100<math>\mu</math>F),</li> <li>• Inductor sets (~10mH to 100 mH),</li> <li>• Resistor sets (1<math>\Omega</math>-100M <math>\Omega</math>),</li> <li>• Cu wires, Male, female cables,</li> <li>• Cu string with white insulation</li> </ul>	As mentioned in details (In Column 02)
38	UV Spectrophotometer (Single beam, 190 to 1100 nm computer interfacing with scanning software)	1
39	Laminar Air flow chamber with UV-light and HEPA filter	1

**Last Date of submission or sending of the quotation: 09.10.2025 (at 3.00 pm)**


**\*Note:**

1. Delivery or Service charge (Installation & Configure) etc. should be included in the quotation.
2. Authority has the right to cancel any notification inviting quotations for procurement of the equipment under unavoidable circumstances.

  
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3. College authority has the right to reject any quotation if it fails to fulfill general norms.
4. The authority reserves the right to accept/reject any quotation without showing any reason thereof.
5. The payment will be done after successful installation and delivery of the items or equipment.
6. The decisions of the Authority will be final in this regard.
7. Authority is not liable of any delay of the POSTAL System. The Quotation should be reached to above mentioned address within the last date of the tender.

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