



**GOVERNMENT OF WEST BENGAL**  
**OFFICE OF THE PRINCIPAL**  
**SISTER NIBEDITA GOVERNMENT**  
**GENERAL DEGREE COLLEGE FOR GIRLS**

Hastings House, 20/B Judges Court Road, Alipore, Kolkata- 700027

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*Tender No: SNGGDCG/62/GEO/ZOO*

*Date: 24.02.2022*

Sealed Quotations are invited from Government approved suppliers for providing Equipment/Instrument for the **Geography and Zoology Departments of Sister Nibedita Government General Degree College for Girls.**

Sealed Quotations are to be addressed to The Principal, Sister Nibedita Government General Degree College for Girls, Hastings House, 20B Judges Court Road, Kolkata 700027.

Sealed Quotations must be dropped in the Tender Box kept in the College office till the date & up to the specified time period as mentioned herein.

1.	Name of Work	:	Providing following Equipments to the Geography and Zoology Departments of Sister Nibedita Government General Degree College for Girls, Hastings House, Kolkata 700027.
2.	Name and Address of the Office	:	Office of the Principal, Sister Nibedita Government General Degree College for Girls. 20B, Judges Ct Rd, Alipore, Kolkata, West Bengal 700027
3.	Quotationers who are Eligible to submit Quotation	:	Reputed, experienced & Government approved suppliers for Equipments.
4.	Last Date & Time of submitting quotation Papers	:	<b>2<sup>nd</sup> March, 2022 up to 12.00 Noon.</b>
5.	Opening of quotations	:	<b>At 01.00 pm on 2<sup>nd</sup> March, 2022.</b> (This Time and Date of the opening of quotations is subjected to last minute change for any unforeseen condition.)
6.	Documents to be submitted along with the application	:	1. Copy of TRADE LICENSE. 2. Copy of PAN Card, 3. Copy of GST Registration 4. Copy of Service Tax registration 5. Credentials
7.	Quotation Papers	:	On company letterhead with required sign and stamp.

## **TERMS & CONDITIONS**

1. Sealed Quotations are to be addressed to The Principal, Sister Nibedita Government General Degree College for Girls, Hastings House, 20B, Judges Court Road, Kolkata.
2. Selection of Supplier for Equipment will be made on the basis of minimum price quoted for the Equipment/Instrument.
3. The accepting authority reserves the right to reject any or all the quotations without assigning any reasons thereof.
- 4. The participating bidders are required to quote their rate in minimum price amount for an equipment inclusive of GST.**
5. No conditional / incomplete rate will be accepted under any circumstances.
6. Immediately after receiving the work order, the Equipment supplier must deliver the specific item in good condition **within seven working days** to the respective Department/ Departments of this College, failing of which the order will be placed to the L2 bidder (who has bidden next minimum price) without any further intimation.

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Principal  
Sister Nibedita Government  
GeneralDegree College for Girls  
Hastings House, Kolkata 700027

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Convenor,  
Purchase Committee,  
Sister Nibedita Government  
GeneralDegree College for Girls  
Hastings House, Kolkata 700027

**\*Please quote for the Instruments mentioned below:**

SL.NO	NAME OF EQUIPMENT/INSTRUMENT	COMPANY NAME/SPECIFICATION IF ANY
1/GEO	Mirror stereoscope	large size with 4x Binocular head, in a wooden Box, "Wilson Brand"
2/GEO	Soil kit	A0 Model, complete with reagent and glass accessories in a box, Wilson brand, Best quality
3/GEO	Thermo-hydro-barometer	Portable digital with clear display
4/GEO	Rotameter	Graduated cm and inches with cover box
5/GEO	Digital weighing machine	0.01 gm to 500 gm, smart brand
6/GEO	Refractometer	For salinity measurement, Erma make
7/GEO	Fortin's Barometer	with mercury filled brass body
8/GEO	Wooden box with glass fitting for Fortin's Barometer	Wood well treated for termites
9/GEO	Aerial Photo set with matching toposheet (atleast three consecutive photos)	Aerial photos to be accompanied by matching toposheet - area -Bengal delta, Rajasthan desert, deccan plateau or similar areas
10/GEO	Satellite image and matching toposheet	With digital version
11/GEO	Mortar and pestle	Porcelain and 3" diameter.

SL.NO	NAME OF EQUIPMENT/INSTRUMENT	COMPANY NAME/SPECIFICATION IF ANY
1/ZOO	Autoclave	a) Shape- Vertical b) Locking System double Wall System c) Size-14"x22" d) Body-The Autoclave should have double wall sheet metal. Whole Body Should have Stainless Steel metal with Stainless Steel inner bucket. Inner Chamber should have of thick stainless steel 304 grade. e) Automation Grade: Automatic. f) Power Requirement 230V g) Power Consumption: 3 KW h) Working Pressure : 30 PSI i) Display : Pressure and Temperature Display Temperature Control with Timer
2/ ZOO	B.O.D. Incubator with Shaker	Heating system: direct heat type (dry wall) natural convection Outer chamber M.S. with powder coating Inner chamber: Stainless Steel (S.S.304) Inner door: insulated / standard equipped with inner glass door heated to prevent condense/ interior glass door Top / Bottom mounted control panel: standard (with a provision for future installation of)

		<p>Temperature range: +5°C above ambient to +60°C; factory set on +37°C</p> <p>Temperature sensor: PT100 class A/ best quality thermostatic control</p> <p>Temperature setting increments: 0.1 °C</p> <p>Microprocessor controlled: standard microprocessor control with large LED display indications for temperature, heating and timer (Timer setting: timer 0-999 minutes / 0-99.9 hours / continuous)</p> <p>Maximum load per shelf: 10 kg</p> <p>Temperature deviation as a function of space: + 0.6 °C</p> <p>Temperature deviation as a function of time: + 0.2 °C</p> <p>Heating up time to +37°C: 30 minutes (± 20% per 10°C)</p> <p>Electrical: 220-240V, 50/60 Hz</p> <p>Average power consumption: 0.15 kWh 0.22 kWh.</p> <p>Exhaust / Ventilation: adjustable ventilation flap located at the top of the machine with thermometer access hole to display inside temperature</p> <p>Certificates of PQ</p> <p>Internal Volume 4 cft</p> <p>Quantity 2 Pieces</p> <p>Shelves: perforated stainless steel shelves standard (max 1 Pc)</p> <p>Optional attachments:</p> <p>Audio and Visual alarms for Temperature probe failure / disconnect (safety thermostat)</p> <p>Orbital Shaker</p> <p>Operated to work on 220/230 volts, single phase, AC mains.</p> <p>The structure construction is made of (8mm) 304 quality Stainless Steel. The outer covering is made of Stainless Steel Sheet with beautiful Mirror Polish.</p> <p>One shaking platform to hold one tray is provided.</p> <p>New motor with speed control from 30 to 250 r.p.m. and 6"x 8" LCD Digital for RPM Display having electronic circuit with ± 0/1 digit accuracy.</p> <p>The unit is provided with continues 300 Hours running Motor fitted under the inner Body with necessary ball bearings and "V" belt drive through vertical shaft.</p> <p>Carrier to hold flasks by Rubber Dick Clamps and Complete with one Top Board for holding flasks.</p>
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		Nos. of Flasks Capacity: 500ml/250ml.
3/ ZOO	Water Distillation Unit	<p>all glass table top horizontal model and work as automatic, single distillation unit. It comes mounted on powder coated metal stand. Working on electric supply 220/230v ac, 50/ 60hz, the other functional parts of the unit comprises low water cut off device, quartz glass heater tube and other glass parts.</p> <ul style="list-style-type: none"> <li>• Preferred features mild steel powder coated main body support</li> <li>• Borosilicate glass construction</li> <li>• Must comes with 2 KW each of heater load</li> <li>• Use of ceramic with spiral element based heater material and quartz /silica glass based heater tube</li> </ul>
4/ ZOO	Spin win mini centrifuge	SPINWIN TM MC 01 includes 6 places Rotor for 6 x 1.5 ml tubes.
5/ ZOO	Balance. Digital. 0.001 to 200 gm PGB 220	<p>WENSAR Model: PGB 200 Capacity : 200 g ; Readability : 0.001 g (1 mg) Precision Balance Salient Features Low Battery Indication Auto Calibration with External Weight Multifunction Weighing Units Auto Zero tracking. Overload Protection Design S.S. Weighing Pan, Level indicator, Adjustable Fit High Resolution, Quick Weighing, Accurate Result In built rechargeable battery for continues use.</p>
6/ ZOO	LAMINAR AIR FLOW CHAMBER	<p>1. Operational Requirements</p> <p>a) The basic equipment (made of Ply Wood shall consist of a HEPA filter, pre filter, suitable blower (fitted with ¼ HP Motor, with RPM 1200 to 1400; air velocity: 0.45 m/s to 0.65 m/s) assembly, necessary lighting, indicators and controls for the cabinet.</p> <p>b) The working area should be carefully designed for comfortable working and easy cleaning. The workbench must be made of stainless steel. Front side of the working area must be covered by manual sliding door (sash), which is made of transparent acrylic plastic. Side panels should be made of Acrylic / polycarbonate / SS</p> <p>2. Type of Flow: Horizontal – Re-circulatory</p>

		<p>3. HEPA FILTER: The HEPA filter should have rated efficiency of 99.97% (or better) at 0.3 microns to provide product protection of Class 100 or exceeding Class 100 requirements of Federal Standards 209E or equivalent ISO within the laminar working bench.</p> <p>4. Pre filter: Pre-filters made of high grade non- woven nylon net fixed in S.S. frame/ aluminum frame for first stage air purification, through blower system with retention of 5- 10 Micron with 95 % or more efficiency. Washable with an arrestance of 90% or better.</p> <p>5. Dimensions: 2 ft x 2ft x 2ft</p> <p>6. Other Specifications</p> <ul style="list-style-type: none"> <li>- Should qualify ISO 5 horizontal laminar flow air standards</li> <li>- Magnehelic gauge,</li> <li>- Switches and indicators: Individual switches and indicator lamps for blower motor, florescent lamp and UV lamp.</li> <li>- Extra power outlet point with switch</li> <li>- Foot rest</li> <li>- Leveling lugs for stand</li> <li>- Air / gas cock / vacuum attachment cock</li> <li>- Low noise (<math>65 \pm 5</math> db) level</li> <li>- Power supply: 220 volts / 50 Hz</li> <li>- Should be suitable for sterile compounding</li> </ul> <p>- Certificates of OQ for Particle count Test, Air velocity/ Pressure &amp; PQ Certificates</p> <p>- Size- 2 ft x 2ft x 2ft Made of All Stainless Steels 304 Grade Quality 1.0 mm Thickness</p>
7/ ZOO	Rectangular Gel Rocker	<p>10 kg</p> <p>Fully Automatic</p> <p>Digital</p> <p>(WxDxH) 14 x 12 x 8 in</p> <p>2 to 150 RPM</p>