



## TRIVENIDEVI BHALOTIA COLLEGE

(Govt. Sponsored)

Post: Raniganj, Dist.: Paschim Bardhaman, Pin- 713347

ESTD - 1957

Date: 01/03/2022

### TENDER NOTICE

This is an open circulation on behalf of T.D.B College, Raniganj seeking competitive quotations from potential companies/ agencies/ vendors for the Supply, Installation & Commissioning of the following items:

Sl. No.	Description	Quantity
1	<b>Mitutoyo Vernier Calliper</b> Model No: 531-122 Measuring Range: 0-150 mm Accuracy: 0.05mm Lower/Upper Scale: 0.05mm inch	02
2	<b>Mitutoyo Vernier Calliper</b> Model No: 530-119 Measuring Range: 0-300 mm Accuracy: 0.04 mm Resolution: 0.001 inch Lower/Upper Scale: 64/27.5 mm	02
3	<b>TDS Meter</b>	04
4	<b>EstWing Hammer, 22 oz.</b> Pointed Tip ROCK PICK	01
5	<b>Digital pH Meter</b>	02
6	<b>Pocket pH Meter</b>	02
7	<b>Abney's Level</b>	03
8	<b>Clinometers</b> Analog, Diameter: Up to 180 mm	04
9	<b>Munsell Soil Colour Chart</b>	01
10	<b>Brunton Compass</b>	02
11	<b>Standard False Colour Composite Map</b> <ul style="list-style-type: none"><li>▪ LISS-IV</li><li>▪ CARTOSAT-I</li><li>▪ CARTOSAT-II</li></ul>	02 02 02
12	<b>Tracing Paper 100 GSM A4 size</b>	1000 sheets
13	<b>Tracing Paper 100 GSM A3 size</b>	1000 sheets



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14	<b>Tracing Graph Paper 100 GSM A4 size</b>	500 sheets
15	<b>Log-Log Graph Paper 100 GSM A4 size</b>	500 sheets
16	<b>Digital Sound Level Meter</b> 30dB - 130 dB Resolution: 0.1 dB Frequency: 31.5 Hz to 8,000 Hz	
17	<b>Arsenic Testing Kit</b> Type: Compact Testing Type: Manual Range: 0-1000 ppb Number of Tests: 100	100
18	<b>Digital Soil and Water Testing Kit</b> <ul style="list-style-type: none"><li>▪ pH Resolution: 0.01 pH.</li><li>▪ pH Accuracy: <math>\pm 0.01</math> pH <math>\pm 1</math> Digits</li><li>▪ Temperature Compensation: 0-100 deg C.</li><li>▪ Conductivity Range: 0-20 mS.</li><li>▪ Conductivity Resolution: 10 <math>\mu</math>S (0.01 mS).</li><li>▪ Conductivity Accuracy: <math>\pm 05</math> % FS <math>\pm 1</math> Digit.</li> <li>▪ Temperature Range: 0 to 100 deg C.</li><li>▪ Temperature Accuracy: <math>\pm 0.1^{\circ}</math>C <math>\pm 1</math> Digits</li><li>▪ Temperature Sensor: Semi Conductor Type</li> <li>▪ TDS Range: 0-20 ppt.</li><li>▪ TDS Accuracy: <math>\pm 0.5</math> % FS <math>\pm 1</math> Digit.</li> <li>▪ DO Range: 0-20 ppm.</li><li>▪ DO Resolution: 0.1 ppt.</li><li>▪ DO Accuracy: 0.5 ppm <math>\pm 1</math> Digits.</li><li>▪ DO Sensor: Gold / Silver Aerometric.</li> <li>▪ Turbidity Range: 0-1000 NTU.</li><li>▪ Turbidity Resolution: 1 NTU.</li><li>▪ Turbidity Accuracy: <math>\pm 3</math> % <math>\pm 1</math> Digits.</li><li>▪ Sample System: 30 mm Clear Glass.</li><li>▪ Salinity Range: 0-50 ppt.</li></ul>	01
19	<b>Soil sample packet</b> A. 4×6 in: 1000 pc B. 8×10 in: 1000 pc <ul style="list-style-type: none"><li>▪ Colour: Transparent</li><li>▪ Opening type: Zip lock</li><li>▪ Material: Plastic</li></ul>	01
20	<b>Freeman 100-meter measuring tape</b> <ul style="list-style-type: none"><li>▪ <input type="checkbox"/> Width: 13 mm</li><li>▪ <input type="checkbox"/> Reel: Open</li></ul>	03



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21	<b>Case material: Acrylonitrile Butadiene Styrene</b> <ul style="list-style-type: none"><li>▪ Yellow fiberglass</li><li>▪ Red fiberglass</li><li>▪ Alloy steel</li></ul>	01 01 01
22	<b>Trowel</b> <ul style="list-style-type: none"><li>▪ Plate Material: Steel</li><li>▪ Handle Material: Wood</li></ul>	04
23	<b>Steel Spade</b> <ul style="list-style-type: none"><li>▪ Plate Material: Steel</li><li>▪ Handle Material: Wood</li><li>▪ Handle Length: 18-24 inch</li></ul>	02
24	<b>Electronic Weighing Balance</b> <ul style="list-style-type: none"><li>▪ Weighing Capacity: Upto 220 gm</li><li>▪ Material to be measured: Metals, Chemical, Organic</li><li>▪ Accuracy: 0.001gm</li><li>▪ Platform Dimensions: 80mm diameter</li><li>▪ Readability(g): 0.001</li><li>▪ Linearity error(g): <math>\leq \pm 0.2</math></li><li>▪ Reproducibility(g): <math>\leq 0.1</math></li><li>▪ Pan Size: 115 phi</li><li>▪ Power supply: 220V/ 6F22ND 9V</li><li>▪ Power: AC/DC dual</li><li>▪ Display: LCD</li><li>▪ Model: TL210</li><li>▪ Brand: TOPLAB</li></ul>	01
25	<b>Waterproof Portable Dissolved Oxygen and BOD Meter</b> <ul style="list-style-type: none"><li>▪ Weight: 400 gm (14.2 oz.)</li><li>▪ Brand: V TECH</li><li>▪ Automation Grade: Automatic</li><li>▪ Logging Type: Log-on-demand</li><li>▪ Logging Memory: up to 400 samples</li><li>▪ Automatic Shut-Off: User selectable: 5, 10, 30, 60 minutes or disabled</li><li>▪ Environment: 0 to 50 Deg C (32 to 122 Deg F); RH 100% (Ip67)</li><li>▪ Dimensions: 185 x 93 x 35.2 mm</li></ul>	01



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26	<p><b>GARMIN Handheld GPS Device</b></p> <ul style="list-style-type: none"><li>▪ Usage/Application: Handheld</li><li>▪ Model Name/Number: Etrex 32x</li><li>▪ Type: Wireless</li><li>▪ Display Resolution: 240 x 320 pixels</li><li>▪ Internal Memory and Micro SD Card: 8 GB</li><li>▪ Battery Life: 25h</li><li>▪ Unit Weight: 5 oz (141.7g) with Batteries</li><li>▪ Brand: Garmin</li><li>▪ Display size: 3.5 x 4.4 cm×5.6 cm</li><li>▪ Display Type: 2.2" transfective, 65K color TFT</li><li>▪ Battery Type: 2 AA NiMH or Lithium</li><li>▪ Water Rating: IPX7</li><li>▪ Interface: Mini USB</li><li>▪ MAP Segments: 3000</li><li>▪ Birdseye: 250 BirdsEye Imagery files</li><li>▪ External Memory Storage: yes (32 GB max microSD (TM) card)</li><li>▪ Waypoint Favorites Locations: 2000</li><li>▪ Tracks: 200</li><li>▪ Track Log: 10000 Points And 200 Saved Tracks</li><li>▪ Routes: 200 Routes, 250 Points per Route And 50 Points Auto</li><li>Routing Compass: Yes (Tilt-Compensated 3-Axis)</li><li>▪ Geochaching Friendly: Yes (Paperless)</li><li>▪ Custom Maps Compatible: Yes (100 Custom Map Tiles)</li><li>▪ Wireless Connectivity: Yes (ANT+)</li></ul>	01
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27	<b>PM 2.5 Monitor</b> <ul style="list-style-type: none"><li>▪ Brand: Precise</li><li>▪ Display Type: LCD</li><li>▪ Colour: Blue</li><li>▪ Automation Grade: Automatic</li><li>▪ Weight (kg): 0.80</li><li>▪ Material: ABS Packing with LCD</li><li>▪ Packing Type: Corrugated Box</li><li>▪ Size: 225mmx70mmx20mm</li><li>▪ Accuracy (micron): 2.5 Micron</li><li>▪ Number of Sensors: 3</li><li>▪ Measuring principle: Laser scattering</li><li>▪ Range of PM2.5 detection: 0-999.9 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ Resolution of PM2.5: 0.1 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ Range of PM10 detection: 0-999.9 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ Resolution of PM10: 0.1 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ Minimum of particle diameter: 0.3 <math>\mu\text{m}</math></li><li>▪ Relative Accuracy: <math>\pm 20\%</math> or <math>\pm 15\mu\text{g}/\text{m}^3</math> MAX</li><li>▪ Auto power off: 5 minutes after no push button, the meter automatically enters to power off mode</li><li>▪ Power: 7.4V Li-ion</li><li>▪ Battery capacity: 1400mAh</li><li>▪ Power Adapter: 9V</li><li>▪ Charging current: 2.0A</li><li>▪ Working time Approximate: 30 hours</li><li>▪ Working temperature: 5-45</li><li>▪ Storage temperature: -20-70</li></ul>	01
28	<b>Mortar and pestle (Hand)</b> <ul style="list-style-type: none"><li>▪ Colour: White, Black</li><li>▪ Base Shape: Round</li><li>▪ Marble Type: Porcelain</li><li>▪ Thickness: 5 to 20 mm</li><li>▪ Weight: 400-800 gm Brand: Johnson, EISCO, AGATE, AMBER</li></ul>	08
29	<b>Polarizing Petrographic Microscope</b> <ul style="list-style-type: none"><li>▪ Type of Product: Led Coaxial Laboratory Microscope</li><li>▪ Voltage: 100-200 V</li><li>▪ Colour: White</li><li>▪ Illumination: Halogen Illumination</li><li>▪ Material: Metal ▪ □ Model No: MXL</li><li>▪ Magnification: 40x - 1500x</li><li>▪ Optical Tube: Binocular Brand: Weswox</li></ul>	01



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30	<p><b>Polarized Microscope</b></p> <ul style="list-style-type: none"><li>▪ Body: Rugged, single die cast, ergonomic design, touch point treated</li><li>▪ Optical system: Strain free achromatic universal optical system, colour corrected, anti-fungal, anti-bacterial coated (multi-layered hard coated)</li><li>▪ Transmitted Illumination: Koehler halogen/LED, intensity adjustable, battery backup, auto cut-off</li><li>▪ Incident Illumination: LED/halogen with aperture and field diaphragm</li><li>▪ Polarizing Facilities: Polarizer mounted below the condenser</li><li>▪ Analyzer: Analyzer with scale removable from optical path, rotatable, focusable &amp; centerable bertrand lens</li><li>▪ Retarding Plates: <math>\lambda</math> Plate, <math>1/4 \lambda</math>(Mica) &amp; Quartz Wedge</li><li>▪ Viewing Head: Monocular/Binocular/Trinocular Head</li><li>▪ Nosepiece: Reverse centerable quadruple/quintuple M25 x 0.75 threads with multiple ball-bearing, rubber/metal Grip &amp; click stop</li><li>▪ Eyepiece: Extra wide field with diopter adjustment</li><li>▪ Objectives: POL Plan, S-APO/APO, Infinite objectives Mechanical Stage: Graduated large circular rotary stage</li><li>▪ Condenser: Abbe with iris diaphragm &amp; filter slot. Brightfiled, polarizing</li><li>Focusing: Coaxial (low position), both side, coarse &amp; Fine with tension control &amp; upper limit stopper Attachment: Slots for Compensator Plates Switchable orthoscopic/conoscopic</li><li>▪ Certification: EU CE, ISI, ISO, TUV</li></ul>	01
31	<p><b>Laboratory Thermostatic Drying Oven</b></p> <ul style="list-style-type: none"><li>▪ Capacity: 100-500 Kg</li><li>▪ Max Temperature: 500 Degree F</li><li>▪ Material: Mild Steel</li><li>▪ Shape: Rectangle</li><li>▪ Automation Grade: Automatic</li><li>▪ Frequency: 50 Hz</li><li>▪ Heating Power: 2 HP</li><li>▪ Volume: 96 Cu Ft</li><li>▪ Inner Dimension: 48 x 48 x 72 Inch</li><li>▪ Outer Dimension: 67 x 86 x 83 Inch</li><li>▪ Speed: 3300 CFM Brand: Labtech Instruments</li></ul>	04
32	<p><b>Chisel edge geological hammer</b></p> <ul style="list-style-type: none"><li>▪ Weight: 1 kg</li></ul>	04
33	<p><b>Simon's Rain Gauge</b></p>	02
34	<p><b>Open Series Topographic Map</b></p>	50
35	<p><b>Globe with light in centre facility</b></p>	01
36	<p><b>Rock Specimen Set</b></p>	01



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37	<b>Mineral Specimen Set</b>	01
38	<b>Rocksmins Minerals Specimen Slides Thin Section</b>	01
39	<b>Digital Theodolite</b>	02
40	<b>Test Tube (25x20 mm), Borosilicate Glass</b>	Pack of 50pc
41	<b>Beaker</b> <ul style="list-style-type: none"><li>▪ 100 ml</li><li>▪ 250 ml</li><li>▪ 500 ml</li></ul>	20 20 20
42	<b>Blotting Paper (150 mm X 250 mm) Rectangular</b>	500 sheets
43	<b>Rotameter</b> Manual	30
44	<b>Barometer</b>	01
45	<b>Hygrometer</b>	01
46	<b>Maximum-Minimum Thermometer</b>	01
47	<b>Distilled Water</b> 25 ltr.	01
48	<b>Water Sample Bottle Size: 400 ml</b> <ul style="list-style-type: none"><li>▪ Material: Glass</li><li>▪ Colour: Transparent</li><li>▪ Cap type: Screw type</li><li>▪ Shape: Cylindrical</li></ul>	50
49	<b>Water Sample Bottle Size 100 ml</b> <ul style="list-style-type: none"><li>▪ Material: Polypropylene</li><li>▪ Colour: Transparent</li><li>▪ Cap type: Screw type</li><li>▪ Shape: Cylindrical</li></ul>	50
50	<b>Logitech MK200 Media Corded Keyboard and Mouse Combo</b>	02
51	<b>Logitech M90 Wired USB Mouse 1000 DPI Optical Tracking, Black</b>	02
52	<b>MK345 Wireless Keyboard and Mouse Combo</b>	01

Interested Vendors may contact College office for further clarification. Sealed quotations must be submitted within 10 days from the date of publication of this notice.

Sd/-  
**Principal**  
T.D.B College, Raniganj