

Santal Bidroha Sardha Satabarshiki Mahavidyalaya



ESTD - 2005

NAAC Accredited B+ Grade College

Affiliated to Vidyasagar University & Recognized by UGC (under 2(f) & 12B)

P.O: Goaltore, Dist: Paschim Medinipur, PIN - 721128

Phone & Fax: 03227-288063, Email: sbssm_goaltore@rediffmail.com, Website: www.sbssmahavidyalaya.org

Ref : SBSSM/NIT/02/2019

Date: 14-02-2019

Notice Inviting Tender

Sealed quotations/ tenders (including delivery rate at site and installation charge if any) are invited from reputed agencies/suppliers for the following items to be purchased for DST INSPIRE FACULTY PROJECT of Dr. koushik Dey, Assistant Professor in Physics, Santal Bidroha Sardha Satabarshiki Mahavidyalaya within 28-02-2019 up to 1 p.m. The quotations are to be sent by post or to be dropped in the BOX kept in the College Office to/of Santal Bidroha Sardha Satabarshiki Mahavidyalaya.

Sl. No	Name of items with specifications	Quantity
1	<p>Muffle/Chamber Furnace up to 1100 °C</p> <p><u>TECHNICAL SPECIFICATION:</u></p> <p>Max. Temperature - 1100°C Working Temperature- 100-1050°C. Chamber Size - W = 6" x H = 6" x D = 12" Inch POWER - 230V AC .+ Neutral. 50 HZ Heating Elements - Resistance wire - A1 Quality Heating Elements Thermal Insulation - For best Thermal insulation shall be used in hot face HIGH ALUMINA GROOVES TILES Thermocouple - CA Type - " K" . (Recommended up to 1250°C.) Temperature Controller - Digital PID Programmable Temperature Controller (Automatic) (Eurotherm UK make) Accuracy +/- 1 Deg C. With 16 segment programming for heating/cooling & soak time control OPTIONAL - RS232 Inter face Extra Thermocouple "K" with refractory sheath and holder. Ceramic Hearth Tray Approved: ISO - 9000 & CE Certified Warranty: More than One Year for any manufacturing defect</p>	01
2	<p>Tube Furnace up to 1400 °C</p> <p><u>TECHNICAL SPECIFICATION:</u></p> <p>Max. Temperature - 1400°C Working Temperature- 200-1350°C. Tube Size- Tube OD= in mm. Heating Zone = in mm. Total Length = in mm. 60 mm x 200 mm 700- 800 mm Inner Tube - High Alumina 99.7% purity (Imported Make.)</p>	01

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	<p>POWER - 230V AC .+ Neutral. 50 HZ Heating Elements - Silicon Carbide Thermal Insulation - For best Thermal insulation shall be used in hot face</p> <p>Thermocouple - Type - "S" Range - up to 1600° C Temperature Controller - Digital PID Programmable Temperature Controller (Automatic) (Eurotherm UK make) Accuracy +/- 1 Deg C. With 16 segment programming for heating/cooling & soak time control</p> <p>OPTIONAL - RS232 Inter face</p> <p>Approved: ISO - 9000 & CE Certified Warranty: More than One Year for any manufacturing defect</p>	
3	<p>Hydraulic Laboratory Press</p> <p><u>TECHNICAL SPECIFICATION:</u></p> <p>1) A complete Laboratory Hydraulic Press Producing a force about 20 tones use to make high quality pellet used for solid sampling</p> <p>Cylinder Type: Single acting, up stroking Pump Type: Hand Operated Warranty: 1 year Capacity: 0-20 Ton Condition: New Number of Cylinders: 1 Order Quantity 1 Piece</p> <p>Safety Feature: Pressure relief valve to safeguard against applying over pressure.</p> <p>2) 10 mm KBr Die Set for Pellet making MOC: Stainless Steel</p>	01
4	<p>Gag Cylinder and Regulator</p> <p><u>TECHNICAL SPECIFICATION:</u></p> <p><u>Regulator</u></p> <ol style="list-style-type: none"> Two stage brass/steel made double gauge. Outlet pressure : 0-07 kg/cm <p><u>Cylinder</u></p> <ol style="list-style-type: none"> 47 ltrs W.C. BS03 type valve. Pressure 150 ;BAR Height 5 ft. Dia-30"" 	01

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5	<p>Vacuum Pump</p> <p><u>TECHNICAL SPECIFICATION:</u></p> <ol style="list-style-type: none"> 1. 3" size diffusion pumping system. 2. Complete setup with mounting frame with move able trolley. 3. Rotary pump: 250 lit/min 4. Diffusion pump: 750 lit/sec 5. 3" size high vacuum valve. 6. 1" size roughing and backing valve. 7. Vent valve, plumbing line, collar etc. 8. Liquid Nitrogen trap. 9. Vacuum measuring gauges: Two pirani and one penning 10. Ultimate vacuum: 1×10^{-6} m bar. 11. Warranty: One Year for any manufacturing defect 	01
6	<p>High Precision Analytical Laboratory Balance</p> <p><u>TECHNICAL SPECIFICATION:</u></p> <p>Capacity: 220 g</p> <p>Readability: 0.0001 g (0.1mg)</p> <p>Repeatability: +/- 0.0001g</p> <p>Linearity: +/- 0.0002g</p> <p>Pan size: 90 mm Φ (Stainless Steel) round edge, smooth surface easy to clean</p> <p>Calibration: Auto External adjustment/ Auto Internal adjustment</p> <p>Optional: Fully auto adjustment with indication</p> <p>Display: High Contrast Enlarged Advanced Eye Protected Backlit</p> <p>LCD Display</p> <p>Key Feature: Auto Self checking function, anti vibration feature</p> <p>Overload Protection: 150% of full scale (up to 350g)</p> <p>Interface: RS232, USB</p> <p>Extra Protection: Protection of Main Balance Configuration, Airtight Rust & Dust proof weighing chamber</p> <p>Tare range: 100% Full</p> <p>Draft shield: with 3 opening door – left, right and top smooth glass slider</p> <p>Operating temp: + 5°C to + 40°C</p> <p>Other Application: Dynamic weighing, percentage, piece counting, GSM, Auto Density result, below weighing, Statistics</p> <p>Approved: ISO, CE, NABL, Legal Metrology (Gov. of India)</p> <p>Optional: Data printer, Density kit, Data software</p> <p>Warranty: One Year for any manufacturing defect</p>	01

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Last date of submission of quotations/ tenders: 28-02-2019 upto 1 p.m.

Received quotations/ tenders will be opened at 1.30 p.m. on 01-03-2019.

The suppliers/ agencies may remain present at the time of opening the quotations/ tenders. All quoted rate should include GST etc. and be supplied at the college without any extra charge.

Terms & Conditions:

The tenderers have to submit the following technical papers (self attested) in a sealed envelope.

1. Copies of credentials and certificates (GST, registration) must be submitted with the tender application.
2. Copy of Permanent Account Number (PAN)
3. The College authority reserves the right to reject any/ all quotations without giving any reason.
4. Suppliers must have proper bank account.

Sd/-

(Dr. Mantu Kumar Das)

Principal