

SRIPAT SINGH COLLEGE

[NAAC ACCREDITED at B grade (3rd. Cycle, 2024)]
P.O. Jiaganj, Dist. Murshidabad, West Bengal, PIN 742 123
Web: <https://www.sripatsinghcollege.edu.in/> e-mail: sscollege2009@gmail.com



Memo No:

Dated:

Call for Quotation In r/o Procurement and Installation of Lab equipment No. 12/26-27 dated 08/10/2026

Eligible bidders are invited to submit quotation(s) for procurement and installation of the listed items within 14.10.2026 (Wednesday) through e-mail: sscollege2009@gmail.com. Hard copies of the quotes, along with necessary attachments, must reach "The Principal, Sripat Singh College, Jiaganj, Murshidabad, 742123, WB" in **sealed envelope** within 30.10.2026.

Envelope Instructions:

- **Must be sealed properly.**
- **Clearly mention:**
 - Full destination address
 - E-mail ID
 - Mobile number
 - Subject matter of quotation with number and date of publication

Destination Address:

The Principal, Sripat Singh College, Jiaganj, Murshidabad – 742123, West Bengal.

List of items to be purchased with specifications is given in Annexure.

Quotes should clearly mention base price, delivery and installation charges and other applicable taxes and charges, if any.




08.10.26
DR. KAMAL KRISHNA SARKAR
Principal
Sripat Singh College
Jiaganj, Murshidabad

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ANNEXURE

ITEM	SPECIFICATION
COOLING CENTRIFUGE	REMI NEYA 6 or similar: rpm 6000, RCF 5070, LCD display, Programme memory and password protection.
DISSECTING STEREO BINOCULAR MICROSCOPE	EISEO/Metzer: Tripple magnification, dual illumination
HPLC	THERMO-FISHER (Vanquish Core model) or similar
RT-PCR	
Nanodrop Bench top automatic analyzer	
Gel doc	
Microplate reader	
Automated cell counter and viability analyzer	
Inverted fluorescence phase contrast microscope with camera Lucinda	
DISSECTING STEREO BINOCULAR MICROSCOPE	5x magnification, dual illumination (upper and lower),
-80 degree refrigerator (100 litres)	
Transfer Apparatus	
Flame Photometer	
CO2-incubator	
Cell culture hood	
Electric Tuning Fork	Magnet and tuning fork
Set up for measurement of Coefficient of Thermal Conductivity of Cu by Angstrom's Method.	Standard set up supplied by the vendor
Set up for study the variation of Thermo-Emf of a Thermocouple with Difference of Temperature of its Two Junctions.	Standard set up supplied by the vendor
Set up for Determination of the boiling point of a liquid by Platinum resistance thermometer	Standard set up supplied by the vendor
Set up for drawing the BH curve of Fe using Solenoid & determine energy loss from Hysteresis.	Standard set up supplied by the vendor
To measure the Magnetic susceptibility of Solids.	Standard set up supplied by the vendor
set up for study of PE Hysteresis loop of a Ferroelectric Crystal	Standard set up supplied by the vendor
set up for Determination of Velocity of Ultrasonic Wave	Standard set up supplied by the vendor
set up for study of Photoconductivity of Semiconductors.	Standard set up supplied by the vendor
Milli-Q Water Purification System with DI	Type I ultrapure water and Type II/DI water; resistivity $\geq 18.2 \text{ M}\Omega \cdot \text{cm}$; UV photo-oxidation; conductivity and TOC monitoring
Digital Analytical Balance	Readability 0.1 mg; capacity approximately 200–300 g; internal calibration; draft shield.



DR. KAMAL KRISHNA SARKAR

Principal

Sripat Singh College

Jiaganj, Murshidabad

Dr. Kamal Krishna Sarkar 8.10.26

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ITEM	SPECIFICATION
Laboratory Refrigerator	Temperature range 2–8 °C; chemical-resistant interior; laboratory-safe design
UV-chamber	wave length range-uv to visible
Hanna Multimeter	HI98194 Multiparameter Meter
UV-Visible Spectrophotometer (Shimadzu or equivalent)	Double-beam; wavelength range 190–1100 nm; spectral bandwidth ≤ 2 nm; PC software
Bomb Calorimeter, laboratory/educational type	Most importantly should be installable in a college level (U. G. Course) laboratory. Good college-level semi-automatic model. Temperature range: Room temperature to 60 degree celcius. Power supply 220–240 V AC, 50 Hz, single phase. Accessories Oxygen filling assembly, pressure gauge, ignition wire, crucible, thermometer/sensor, stirrer and operating manual Safety Pressure-rated bomb, safety valve/pressure-release arrangement and protective outer enclosure Standards Preferably compliant with relevant BIS/IS 1350 and/or ASTM methods
FT-IR Spectrometer with ATR/Thermo Scientific Nicolate-10	Mid-IR range 4000–400 cm^{-1} ; ATR accessory; resolution ≤ 2 cm^{-1} ; transmission and reflectance modes
Handheld GPS/GNSS Receiver	Multi-constellation GNSS receiver supporting GPS, GLONASS, Galileo and BeiDou; minimum 20-channel or higher; positional accuracy preferably ≤ 3 m under open sky; waypoint, track and route recording; coordinate system/datum selection including WGS-84; electronic compass; area/distance calculation; barometric altimeter preferred; internal memory; USB/Bluetooth data transfer; rechargeable battery; IP-rated rugged field body; 5–10 m accuracy suitable for basic field survey and GIS practicals.
DGPS/RTK GNSS Survey System	Professional multi-frequency, multi-constellation GNSS RTK system; GPS/GLONASS/Galileo/BeiDou support; L1/L2/L5 or equivalent multi-frequency tracking; RTK horizontal accuracy approximately ± 10 mm + 1 ppm and vertical accuracy approximately ± 20 mm + 1 ppm; base/rover operation; UHF radio and/or NTRIP correction support; external controller/data collector; internal memory; field software; Bluetooth/Wi-Fi; stakeout and coordinate survey functions; suitable for



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	georeferencing, control-point establishment and GIS data acquisition.
Total Station	Electronic total station with angle accuracy $\leq 5''$; distance measurement using EDM; reflector and reflectorless measurement; minimum range of approximately 2,000 m with prism and suitable reflectorless range; automatic/dual-axis compensator; onboard data storage; field controller or onboard display; USB/Bluetooth data transfer; coordinate calculation, traverse, resection, height and area computation; rechargeable battery; tripod, prism, prism pole and accessories.
Auto Level / Dumpy Level	Automatic optical level; magnification approximately 24 $\times$ –32 $\times$; automatic compensator; levelling accuracy approximately ≤ 2.0 –2.5 mm/km double run; horizontal angle measurement facility preferred; minimum focusing distance suitable for fieldwork; complete with tripod, levelling staff, carrying case and accessories.
Prismatic Compass	Magnetic prismatic compass with 360° graduated scale; robust metal/ABS body; sighting arrangement; prism reading system; adjustable declination preferred; suitable for bearing measurement, traversing and field orientation; accuracy preferably $\pm 1^\circ$ or better.
Clinometer / Abney Level	Handheld slope/gradient measuring instrument; angular measurement preferably 0–90°; graduated scale; sighting mechanism; spirit level; robust field construction; suitable for measurement of slope, vertical angle and gradient.
Topographic Maps / Cadastral Maps / Thematic Maps	Standard Survey of India topographical sheets, cadastral/mouza maps and thematic maps at appropriate scales; laminated/printable copies; maps covering local/regional study areas; suitable for map interpretation, relief analysis, land-use study, cadastral analysis and practical cartography.
UAV/Drone with suitable mapping capability	Mapping-capable UAV with high-resolution RGB camera, preferably mechanical/global shutter; GNSS positioning; minimum 20–30 min flight endurance preferred; autonomous waypoint mission planning; image geotagging; obstacle sensing preferred; controller, batteries, charger and field



Dr. Kamal Krishna Sarkar
08-10-28

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	accessories; compatible with photogrammetric processing for orthomosaic and DSM/DTM generation. Operation to comply with applicable DGCA requirements.
Digital Weather Station / Meteorological Instruments	Integrated digital weather station measuring air temperature, relative humidity, atmospheric pressure, wind speed, wind direction and rainfall; data logging facility; digital display; USB/Wi-Fi/data export preferred; solar-powered or rechargeable system preferred; suitable for climatological observations and student data analysis.
Chlorophyll Meter	Field-portable, dual-wavelength
Portable Photosynthesis System	Differential gas analyzer
Spectrophotometer	UV-Vis, 200–800 nm
Soxhlet Extraction Apparatus	Glass, heat-resistant
Total Nitrogen Analyzer	Kjeldhal method, automatic
Electrophoresis Unit	SDS-PAGE
Gel Illuminator	Dual wavelength UV/Blue
Power Supply	Variable 0–300 V
Gram & Acid-Fast Staining Machine	Automated
Chlorophyll Fluorometer	Pulse-Amplitude Modulation (PAM)
Total Nitrogen Analyzer (Automatic Kjeldhal)	±0.1% accuracy
Refrigerated Centrifuge	15,000 rpm, multiple rotors
PCR Thermal Cycler	Gradient, 96-well
Automated Staining Machine	Gram & Acid-Fast
Flow Cytometer	2-laser, 4-color
Tissue Culture Facility (Complete Set)	autoclave, incubator, culture racks




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