MAHISHADAL RAJ COLLEGE
(Govt. Sponsored)
Estd. : 1946
NAAC accredited 'A' Grade College
DST (FIST) Govt. of India Approved College
Mahishadal: Purba Medinipur
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Phone: 03224-240220

Tender Notice

Ref. No.-MRC/ANRF/ECRG/BOT/2025-1 **Date: July 12, 2025**

Rate quotation (including all taxes) in sealed envelopes are requested from the reliable and resourceful Companie / Firms / Contractors/ Suppliers (having valid P.Tax, PAN, GST Registration Certificate, and Trade License) with experience and acumen in supply work for the following items **within 31/07/2025 at 4:00 pm**.

All the quotation along with the specification of quoted product must be sent through post to "**The Principal, Mahishadal Raj College, Kind attent: Dr. Roshan Kumar Singh, Assistant Professor, Department of Botany, Garh Kamalpur, Mahishadal, Purba Medinipur, West Bengal, Pin-721628**".

Quotation must be submitted on working days from 11:00 am to 4:00 pm in the office chamber of the principal.

The date of opening of tenders 06/08/2025 at 2:00 pm. Bidders may remain present during that period. The authority reserves the right to cancel the order/refuse the item/ articles in case any variation is found from the original terms and conditions. The successful tenderer will be notified in writing of the acceptance of his tender

All supplied items must be installed by the Companies / Firms / Contractors/ Suppliers and it should be checked & verified by the competent authority of Mahishadal Raj College in presence of suppliers after proper installation.

Copy forwarded for information and wide circulation through:
1. College website (https://mahishadalrajcollege.com/)
2. Dr. Roshan Kumar Singh, Assistant Professor, Botany (PI)
3. Bursar, Mahishadal Raj College
4. Accountant, Mahishadal Raj College

Dr. Goutam Kumar Maity
Principal
Mahishadal Raj College
Mahishadal, Purba Medinipur

(Dr. Goutam Kumar Maity)
Principal
Mahishadal Raj College
e-mail: principal.mrc1946@gmail.com

Sl No.	Item name	Quantity	Specification
1	Thermo cycler with online UPS	1	• The system should have 96-well, 0.2 mL 3-zone VeriFlex™ Block • The system should have max. block ramp rate of 3.5°C/sec & max. sample ramp rate of 2.7°C/sec • The system should have Temperature accuracy of ±0.25°C (35–99.9°C). • The system should have Temperature uniformity of <0.5°C (30 sec after reaching 95°C) • The system should have Temperature calibration to standards traceable to the National Institute of Standards and Technology. • It should have PCR volume range of 10–100 µL & display interface of 5-inch color TFT LCD • The system should have Instrument memory of 2,000 MB onboard memory (capacity for >1,000 protocols); USB port for additional external storage • The system should have Power of 100–240 V, 50–60 Hz, max. 500 W • The system should have VeriFlex Blocks of 3 temperature zones, 20°C range (10°C zone-to-zone) • The system should have Data connectivity of Cloud or mobile via Ethernet or WiFi • Suitable online UPS should be provided with the system.
2	Protein gel running unit with power pack	1	2-gel vertical electrophoresis system 1.0 mm gel thickness, includes casting stand, 4 casting frames, 10-well combs, 5 short plates, and 5 spacer plates Protein electrophoresis system includes: • Number of gels -1–2; Cell (tank and lid with power cables)- 1 • 10-well combs-5 • 1.0 mm spacer plates (5 plates per box) -1 box • Short plates (5 plates per box)-1 box • Casting stands-2; Casting frames - 4 • Precast gels • Mini-PROTEAN or Ready Gel® precast gels • Handcast gels-Handcast using Mini-PROTEAN glass plates • Total buffer volume for 2 gels, ml- 800 • Typical run time for SDS-PAGE- 35–45 min (at 200 V constant) • Gel format-Mini • Buffer dam-1 **Power Supply** Output specifications: 10–300 V, fully adjustable in 1 V steps; 4–400 mA, fully adjustable in 1 mA steps; 75 W (maximum); Output terminals 4 pair recessed banana jacks in parallel Timer control 1 min–99 hr 59 min, fully adjustable Pause/resume function-Yes Display-3-digit LED Operating Conditions 0–40°C; 0–95% humidity in absence of condensation

3	Single Door Upright (-25° C) Freezer	1	• The machine should Upright type with Single Door and capacity of 350-400 Liters. • The machine should have temperature range of -18°C to -30°C • The machine should be Frost-Free. • The machine should have Refrigerant R600a. • The machine Dimensions should not be less than (mm): 595 x 712 x 1860. • It should have Castor wheels. • Inner Chamber Size should not be less than (mm): 525.2 x 1455.5 x 674 • It's Material (Exterior) should be Color Sprayed Steel. & Interior should be Stainless Steel • The machine should have Direct Cooling system. • The machine should have Alarm Features for High/Low Temperature, Sensor Error, Thermostate Failure.
4	Gel Electrophoresis Systems with power supply	1	• It should have Buffer Volume of at least 600 mL with sample capacity of 5–34 wells (via double-sided comb slots) • It should have UVT tray ~11 × 9 cm with fluorescent ruler and Unit Footprint ~22 × 15 × 9.5 cm • It should have Comb Set of 10 & 14 wells, 1.0 mm & 1.5 mm double-sided • The power supply should have maximum voltage of 300 V DC and Maximum Current of 400 mA • It should have Timer 0–999 minutes • It should have Display Modes as Voltage or current. • It should support 3 simultaneous gels run • The Power Memory should Retains settings after shut-off • It should have Input Power of 230 V AC, 50/60 Hz
5	UV-transilluminator	1	• It should have the UV protection plate capable of being adjusted and secured at various angles. • The dual wavelength model should effectively address the diverse requirements of users. • It should have the 302nm UV wavelength ideal for the observation and analysis of DNA and RNA and the 365nm UV wavelength appropriate for the preparation of observations and the cutting of bands, minimizing potential damage to the samples. • It should have a UV shield serves to safeguard users from ultraviolet damage. • It should be equipped with an automatic shutdown feature for self-protection. • It should have the transmission area measures not less than 215x265 mm. • It should operate at dual wavelengths of 302 nm and 365 nm. The light intensity should be adjustable. • The surface should be made of toughened glass, and it includes a UV protection shield. • The overall dimensions should not be less than 330x280x115 mm.

6	Autoclave	1	• The machine should have operating Temperature range: Sterilizing - 121 °C, Warming - 45-95 °C, Purging - Up to 99 ° C • It should have Maximum Operating Pressure of 15 PSI • It should have Digital Temperature Display, Analogue Pressure Display & Digital Time Display • It should have Analog Pressure Gauge Max value of 35 PSI • It should have Heat Source Load of 2.25Kw • It should have Safety Devices: *Water Level Sensor, *LID Interlock, *Over temperature protection, *Over Pressure Protection, *Pressure Safety Valve • It should have Single locking of lid and castor wheels • It should have Time Range of 0 to 999 Mins • The Chamber Dimension should not be less than be Dia (mm) x Depth (mm) -350 x 550 • The Chamber Busket Dimension should not be less than 280 x 450mm • The Capacity should be 50 ltrs • It should have GI sheet powder coated Outer body material • It should have SS 304 sheet Inner body material • It should have Voltage 220 va
7	Low Temperature Freezers (4° C)	1	• The machine should be Upright Chiller / Visi Cooler type. • The machine should have capacity of 400 Liters. • The machine should have external dimensions (Inches): 26 x 25 x 76 (W x D x H). • The Number of Doors machine should have: 1 (Glass) • Temperature Range should be 1°C to 10°C • It should have 4 adjustable shelves • It should have castor wheels • Machine should have Lock facility • Machine should have LED Lighting • The machine should have Automatic Defrost • Machine should have 220-240V Power. • Machine should have Refrigerant R134a.
8	Pipetting Kits (0.2-2µL micro, 2-20µL, 20-200µL and 100- 1000µL)	1	• The Pipettes should be Single-channel, variable volume. • Volume Range should be 0.2 µL to 2 µL, 2 µL to 20 µL, 20 µL to 200 µL, and 100 µL to 1000 µL. • It should be fully autoclavable without disassembly. • It should have Lightweight design and soft-touch tip ejector for comfortable and efficient pipetting. • The pipette stand should be Included • It should have a soft-touch tip ejector for easy tip removal and large display for improved visibility. • It should have durable PVDF components for resistance to harsh chemicals and UV light.