

UTTAR BANGA KRISHI VISWAVIDYALAYA

P.O.-PUNDIBARI, DIST.-COOCH BEHAR, WEST BENGAL-736165

Phone: 03582-270987(O), Fax: 035852-270246

M: 8637072242, E-mail:ubkvdr@gmail.com



Prof. Bidhan Roy
Director of Research (Actg.)

Tender Ref. No. UBKV/DR (T&P) -013/26-27

Date: 17.07.2026

Inviting Quotation

Sealed quotations are invited from reputed suppliers for supplying and demonstration of Mini Centrifuge, Electronic Pipette Controller, Mini Dry Bath, Vortex Mixture and Rocker Shaker for the year 2026-27 under "Evaluation of the effects of bio-stimulants HYT B and HYT C on plant growth and yield parameters of Tomato." Uttar Banga Krishi Vishwavidyalaya, Pundibari, Cooch Behar.

Sl. No	Items	Specifications	Quantity
1	Mini Centrifuge	Attached in Annexure	1 no
2	Electronic Pipette Controller		1 no
3	Mini Dry Bath		1 no
4	Vortex Mixture		1 no
5	Rocker Shaker		1 no

Date of publication : 13/07/2026

Last date of Submission : 31/07/2026 up to 5 p.m.

Terms and Condition:

1. Quotation to be submitted with a forwarding letter address to **The Director of Research, UBKV, Pundibari, Cooch Behar, West Bengal**
2. Covers of Quotations to be submitted to the office of the Director of Research's UBKV, Pundibari, Cooch Behar, West Bengal
3. Office hour with an email ID for further communication.
4. The technical Bid shall comprise of self attested photocopy of the following documents:-
 - a. Valid copy of trade license.
 - b. GST Registration Certificate
 - c. Registration Certificate of P-Tax, along-with latest clearance certificate,
 - d. Service Tax Registration No; along with latest clearance certificate
 - e. Dealership/ manufacturing/ SSI certificate
 - f. ISO Certificate (if any)
 - g. Credentialed/user list with photograph,
 - h. Full Specification of items if applicable
 - i. Photocopy of PAN Card
5. The Financial Bid Comprises of rate of items per unit including applicable taxes, Installation charges, incidental charges, extent of discount (as applicable)

6. The Technical Bid and financial Bid should be submitted in two separate sealed envelopes with broad heading mentioning the name of the item and Tender No. on the top of the envelopes. The sealed envelope of Technical Bid and Financial Bid shall be submitted in a large sealed cover and further mentioning the name of the item and Tender number **on the Top of the Envelope and to be addressed to the Director of Research, UBKV, Pundibari, Cooch Behar.**
7. The materials should be delivered by the Supplier at their own cost and responsibility.
8. The University reserves the right to accept or reject any or all tenders without giving any reason whatsoever.

Sd/
Director of Research (Actg.)

Ref. No. UBKV/DR(T&P)- 013 / (4)

Date: 17.07.2026

Copy forwarded for information and necessary action to:

01. Notice Board, UBKV, Pundibari
02. Central Store Section, UBKV, Pundibari
03. Mr. Subhendu Das; He is requested to add in the University Website at the earliest.
04. Office copy Director of Research, UBKV, Pundibari


Director of Research (Actg.)

Director of Research
Uttar Banga Krishi Viswavidyalaya
Pundibari, Cooch Behar

Requisite Instruments with Specification and Features

1. Mini Centrifuge with variable rpm

Required Features

- Microprocessor-controlled for efficient performance.
- Compact footprint to save valuable space.
- Dedicated digital display for displaying speed and time.
- Variable timer setting from 1 min to 99 min and infinite mode.
- Compact footprint and highly durable.
- Multiple rotor options, including a PCR rotor.
- Variable speed from 1000-6000 RPM.
- 8 Place micro centrifuge rotor.
- Tool-free rotor removal.
- Auto off when an unbalanced tube is placed.

Specification:

Speed	1000 to 6000 rpm 1911 x g (Max RCF)
Speed accuracy	+/-100 rpm
Display	Digital
Timer	1 to 99 & infinite
input voltage	24 vdc 1.5amp
motor type	DC motor
Rotor Capacity	8 x 1.5/2.0mL, 10 x 0.2/0.5mL, 4 place PCR STRIP ROTOR
Quick spin	Lid activated On/Off
Weight	1 Kg

2. Electronic Pipette Controller

Required Features

- Sensor-Based Speed Detection: Automatically adjusts motor control for smooth, accurate aspiration and dispensing.
- Force Touch Pressure Control: Applies real-time speed modulation based on finger pressure for intuitive operation.
- High-Performance Solenoid Valve: Delivers consistent, high-precision flow regulation during aspiration and dispensing.
- Universal Compatibility: Supports all standard 0.1-100 mL glass or plastic serological pipettes.
- PTFE Hydrophobic Filter (0.2 μ m): Prevents aerosol contamination and accidental liquid entry, preserving device safety and longevity.
- Universal Silicone Adapter with Internal Knurling: Securely grips 1-100 mL pipettes, prevents slippage during heavy-duty operations, and features a durable, chemical-resistant design.

Signature
17/07/26

Signature
08/07/2026



- Large Tempered OLED Display: Crisp monochrome display, resistant to impacts, scratches, and chemical spills, providing clear visibility of modes and settings.
- Unique Gravity Dispense Mode: Light plunger press activates valve-only dispensing. Motor stays off for gentle, gravity-based operations, ideal for sensitive cell culture or IVF applications.
- Programmed Pipette Selection: Users can select pipette size from 1 mL, 2 mL, 5 mL, 10 mL, 25 mL, 50 mL, 100 mL to automatically optimize fill & dispense speeds.
- Sterile Workflow Support: It is fully autoclavable at 121°C, 15 psi for 10-15 minutes, supporting sterile workflows in IVF, microbiology, and cell culture labs.

Specification:

Pipette Capacity Selection	The user may select 1, 2, 5, 10, 25, 50, or 100 mL.
Speed Control	The speeds of aspiration and dispensing can be controlled by adjusting the applied pressure on the plunger buttons. A 25-mL pipette can be filled within 3 sec.
Speed	Pipette capacity Max Speed: 1ml-0.3 ml/sec; 2 ml-0.6 ml/sec; 5 ml-1.5 ml/sec; 10 ml-3 ml/sec; 25 ml-8 ml/sec; 50 ml-8ml/sec; 100 ml-8ml/sec
Gravity Dispensing	Gravity mode for slow dispensing
Rechargeable Battery	A removable lithium-ion battery (3.7V/1400 mA; fully charged in 3 h) permits up to 8 h of continuous use.
Charging Options	Direct charging (with/without stand) via a micro-USB port with a standard 5-V adaptor.
Self-Standing	Yes (a complimentary stand is included in the packaging box).
Battery Status Indication	LED indication for low battery (red), charging (yellow). Yellow LED turns off when battery is fully charged.
Display Type	1 monochrome OLED screen.
Stand	A complimentary stand is included in the packaging box.
Weight	238 gm.
Sterility	Fully autoclavable at 121 °C and 15 psi for 10-15 min.
Filter	PTFE hydrophobic membrane filter (0.2 µm).
Application	Universal adapter for pipettes from 1-100 mL.

3. Mini Dry Bath Incubator (Single Block)

Required Features

- Block Heating (Ambient + 5 to 100°C)
- Ramp Rate @ 6°C/min
- Transparent Lid to Prevent Heat Loss
- Preset programme

Sidhan Ray
17/07/26

Syng Bala
08/07/2026



Specification:

Display	LCD
Switch	Push Switch
Controller	Micro processor controller
Body Material	ABS Plastic
Operation condition	Ambient
Number of Block	Single Block
Heat insulation	Yes
Programmable Mode	5 Preset value, 5 pre-log values
Block Material	Aluminum
Temperature Range	RT + 5 to 100°C
Temperature Accuracy	± 1°C (@ 37°C)
Temperature uniformity	± 1°C (@ 37°C)
Heat rate (maximum)	8-9°C / min
Timer	up to 999 mins
Power (watt)	100 watts
Weight	1.2 kg
Dimension (W x D x H)	140 x 175 x 95 mm
Voltage & Frequency	220 V 50Hz

4. Vortex Mixer With Digital Display

Required Features

- Continuous and touch operation.
- Adjustable speed – Ranging from 300 to 4200 RPM.
- Brushless DC motor for maintenance-free long-term use.
- Digital dual display for speed and time.
- Orbital diameter of 4 mm.
- Built-in counterbalance for stable and smooth operation.
- Time setting from 1 to 999 minutes for uninterrupted operation.
- Programmable PULSE mode.
- Wide variety of optional accessories.

Specification:

Rotating Speed	300 TO 4200 RPM
Time	1 to 999 minutes and infinite
Increment/decrement	10 rpm
Pulse mode	Adjustable
Operation Mode	Touch/Continuous

[Signature]
14/07/26

[Signature]
08/07/2026



Orbital Diameter	4mm
Max.load capacity	500g
Rated Voltage	24v 1.5 amp
Rated Power	20W
Frequancy	50/60Hz
Ambient temprature	5 to 40° C
Maximum Humidity	80%
Net Weight	2.7 Kg(approx)
Product Size (LxWXH)	150x130x115 mm

5. Rocker Shaker

Required Features

- On-slip platform surface - Items on top of the surface of the lab rocker remain in place while rocking.
- Adjustable rocking speed - Adjust speed according to desired mixing and to mimic speed for tide motion.
- Jerk-free rocking.
- Capability of working at low temperature ranges.
- Slow and smooth motion.

Specification:

Overall dimension (WxDxH)	310 mm x 255 mm
Motor type	DC motor
Shaking motion	Rocking
Speed range	10-45 RPM
Tilt range	8 degrees
Accessories	Anti Slip mat, Elastic
Platform mat	Non-slip
Max load capacity with platform	3 kg
Electrical requirements	12-24 V
Operation type	Continuous
Experiment time	Infinite

Signature
17/07/26

Signature
08/07/2026

