

College of Post Harvest Technology & Food Processing
Sardar Vallabhbhai Patel University Agriculture &
Technology Meerut-250110 (UP) India

Er. Ankur Trivedi
Assistant Professor (Dairy Technology)



Email: ankurtrivedi@svpuat.edu.in

Letter No. SVP/PHT/ 3286 /2026
Date: 21/02/2026

Notice

Sealed quotations are invited from reputed manufacturers/firms/suppliers for the supply of laboratory equipment listed below for the B.Tech. Dairy Technology laboratory in the Department of Dairy Technology. The quotations are being invited after obtaining approval from the competent authority.

The sealed quotations should reach the College of Post Harvest Technology and Food Processing, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut – 250110 on or before 27.02.2026 up to 5:00 PM through Registered Post. Late or incomplete quotations shall not be considered.

S. No.	Equipment/ Instruments	Quantity	Specification	Cost with GST (in Rs.)
1.	Mini Khoa making machine	1	Stainless Steel (SS-304), Food Grade, Auto-controlled heating system, Max. 25-30 Litres capacity, Tilting mechanism, Electrical/Steam operated with gas, with transportation installation complete	
2.	Butter Churner	1	Capacity: 20 litres, Top open door, Stainless Steel, construction, Jacketed for hot/cold water circulation, Manual/automatic operation with transportation complete installation	
3.	Paneer press & cutting machine	1	Material: Food Grade Stainless Steel (SS-304 or SS 316) Capacity: 10 kg per batch (customizable) Number of Moulds: 2 to 6 moulds (removable) Pressing Pressure: Adjustable, up to 150 PSI (for pneumatic); up to 5 tons (for hydraulic), Operation: Hand operated / Semi- automatic / Fully Automatic, Heavy-duty SS frame, corrosion-resistant, provided with drain pipe for whey collection Pneumatic: Air compressor required (2-5 HP depending on capacity) With transportation complete installation	

4.	Refrigeration for kulfi	1	Temperature range: -20°C to -30°C, Stainless Steel body, Static/fan cooling, Adjustable shelves, R-404A refrigerant with transportation complete installation	
5.	Centrifugal pumps	1	Educational cut section for demonstration, Painted parts with clear labeling, Transparent casing for flow visualization, SS/Aluminum impeller	
6.	Programme logical controller tutorial	1	Siemens Simatic S7-1200 series, Pre-programmed with industrial logic, I/O modules, Power supply, Digital simulator panel	
7.	LCD display water Flow control meter	1	Flow range: 1-9999.99 LPM (or GPM), Digital LCD display, SS sensor body, Accuracy $\pm 0.5\%$, Inlet/outlet: $\frac{1}{2}$ " to 2", Battery or DC powered	
8.	Variac (Variable Transformer)	1	Output voltage: 0-270V, Current: 10-20A, Air-cooled, Copper winding, Single phase, Manual rotary knob	

Term and Conditions:

- The envelopes should be sealed and superscribed with "Quotations for supply of equipment /Instrument for Dairy Technology Laboratory"
- The rate should be quoted including all taxes and/or all other charges.
- The items have to be supplied to College of Post Harvest Technology and Food Processing, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut-250110 without any additional charges
- Payment will be processed only after the supply of items, installation and demonstration.
- The details of the Bank Account details, PAN Number, GST number of the firm must be provided alongwith the specifications.
- Quotations received after the due date will not be considered.
- The University reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

Ankur Trivedi
21/02/2026

(Er. Ankur Trivedi)

Copy To:

1. Notice Board
2. Finance comptroller for information please
3. Office Incharge, IT cell with request to upload on University website
4. Constituted committee members
5. Dean (CoPHT) for information please

COLLEGE OF TECHNOLOGY

Sardar Vallabhbhai Patal University of Agriculture and Technology, Modipuram, Meerut-250110

Dr Ravi Kant
Principal Investigator



No. SVP/COT/REE/ 08/2026
Date: 12/02/2026

Name of Work: Quotation Invitation for purchase of Project Equipment

Sealed quotations are invited from the vendors/contractors/reputed firms/government agencies for purchase of equipment related to project work. Sealed quotation should reach to office of Principal Investigator (GFS/01 Renewable Energy Engineering department, College of Technology, SVPUA&T, Meerut-250110) on or before 18/02/2025 at 5:00 PM by speed post/registered Post and email (rkant8857@svpuat.edu.in). The details of Equipment to be purchased are given below:

Table:1 List of Equipment

Sr. No	Name of Item	Specification	Quantity	Rate	Amount
1	Thermocouple	Thermocouple Type: Type K or PT 100 (for high temperatures) Temperature Range: 0°C to 600 °C (for thermic fluid & steam) and 0-250 °C for water Insulation Material: Ceramic / Magnesium Oxide (MgO) (for high temperatures) Response Time: 1-5 seconds (fast response required for control) Accuracy: $\pm 1.5^{\circ}\text{C}$	50		
2	Thermocouple wire bundle	Length per bundle: 50 m Wire type: Thermocouple Grade / Extension Grade Wire Gauge (AWG): 16 AWG to 24 AWG (depends on application) Temperature Range: -200°C to 1260°C (Type K), Max Cable Length: Up to 100m (with signal conditioning) Resistance (Ω/m): $<10 \Omega/\text{m}$ (for low signal loss) Accuracy Class: Class 1 ($\pm 1.5^{\circ}\text{C}$)	02		
3.	Pressure Guage	<ul style="list-style-type: none">Steam Pressure (Pressure Vessel) :Absolute/Differential Pressure Gauge, Range :0-10 barThermic Fluid Pressure (HTF Circuit): Gauge	03		

Dr. Ravi Kant
Assistant Professor
Renewable Energy Engineering
College of Technology
SVPUA & T, Meerut (U.P.)-250110

[Handwritten Signature]

		<p>Pressure Sensor, range: 0-5 bar</p> <p>Technical Specification: Accuracy: $\pm 0.25\%$ to $\pm 0.5\%$ FS (Full Scale)</p> <p>Display Type: LCD / LED with backlight</p> <p>Units of Measurement: Bar, PSI, MPa, kPa, kg/cm² (User-selectable)</p> <p>Sensor Type: Piezoelectric / Strain Gauge / Capacitive</p> <p>Power Supply: Battery (3V/9V) or 24V DC (for PLC integration)</p> <p>Output Signal: 4-20mA, 0-10V, RS485 Modbus (for SCADA/PLC integration)</p> <p>Operating Temperature: -20°C to 80°C (Standard), -40°C to 150°C (High Temp)</p> <p>Process connection: ½" NPT / 1" NPT / BSP Threaded</p>			
4.	Digital Data Logger (16 Channel)	<p>Number of Channels: 16 (Expandable up to 32/64 if required)</p> <p>Input Types: Thermocouples (K, J, N, T), RTDs (Pt100), 4-20mA, 0-10V, Digital Inputs</p> <p>Resolution: 16-bit or higher for high-accuracy measurements</p> <p>Sampling Rate: 1 Hz to 1 kHz (Adjustable based on application)</p> <p>Accuracy: $\pm 0.1\%$ FS (Full Scale) or better</p> <p>Communication Interfaces: RS485 (Modbus RTU), RS232, Ethernet, Wi-Fi, USB, Bluetooth (Optional)</p> <p>Storage Capacity: Internal Memory (≥ 1GB) + USB/SD Card support (≥ 32GB)</p> <p>Power Supply: 24V DC / 230V AC (Battery Backup Optional)</p> <p>Display: 7" or 10" TFT LCD Touchscreen (Optional)</p> <p>Software Compatibility: Windows/Linux-based SCADA, Cloud Integration (IoT-enabled)</p> <p>Protection Rating: IP65 (Outdoor use), IP20 (Indoor Panel Mounting)</p> <p>Operating Temperature: -10°C to 70°C</p> <p>Mounting Type: Panel Mount / DIN Rail / Portable Handheld</p>	03		
5.	Steam and liquid flow meter	<p>Steam flow meter (01 Nos)</p> <p>Measurement Type: Mass Flow Meter / Vortex Flow Meter / Differential Pressure (DP) Flow</p>	03		

Fairly *SM* *CS*

	<p>Meter</p> <p>Flow Rate Range: 10 - 100 kg/h (Adjustable based on system requirements)</p> <p>Pressure Range: 0 - 10 bar (Adjustable based on system pressure)</p> <p>Temperature Range: 100°C - 300°C</p> <p>Accuracy: $\pm 0.5\%$ to $\pm 1\%$ of reading</p> <p>Output Signal: 4-20mA, RS485 Modbus, HART, Pulse Output</p> <p>Communication Protocol: Modbus RTU, Profibus, Ethernet/IP (Optional Wi-Fi/Bluetooth)</p> <p>Power Supply: 24V DC / 230V AC</p> <p>Display Type: LCD / LED with backlight (Shows flow rate, total flow, pressure, temperature)</p> <p>Material: SS316L (Corrosion-resistant for high-temp steam applications)</p> <p>Mounting Type: Flanged / Threaded / Insertion Type</p> <p>Protection Rating: IP65/IP67 (for outdoor installations)</p> <p>Explosion Proof: ATEX-certified for high-pressure steam environments</p> <p>Additional Features: Auto-calibration, Data Logging, Remote Monitoring, battery Backup</p> <p>Liquid flow meter (02 Nos)</p> <p>Measurement Type: Electromagnetic Flow Meter / Ultrasonic Flow Meter</p> <p>Flow Rate Range: 1 - 500 LPM (Adjustable based on system requirements)</p> <p>Pressure Range: 0 - 16 bar</p> <p>Temperature Range: 0°C - 150°C</p> <p>Accuracy: $\pm 0.2\%$ to $\pm 0.5\%$ of reading</p> <p>Output Signal: 4-20mA, RS485 Modbus, Pulse, HART</p> <p>Communication Protocol: Modbus RTU, Profibus, Ethernet/IP, IoT-enabled (Wi-Fi, Bluetooth, GSM optional)</p> <p>Power Supply: 24V DC / 230V AC</p> <p>Display Type: LCD with Totalizer, Real-time Flow Rate Display</p> <p>Material: SS316L (For high-pressure & temperature), PVC (For low-pressure applications)</p>			
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Handwritten signatures and initials:

Tanishq YSH [Signature]

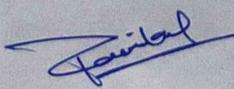
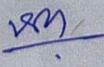
	Mounting Type: Flanged / Threaded / Clamp-on (Ultrasonic Type) Protection Rating: IP65/IP68 (for outdoor and submerged applications) Additional Features: Auto-calibration, Remote Monitoring, Battery Backup			
				Total
				GST as per Government rule
				Grand Total

Terms and Conditions

- The GST or any other charges over and above the rates should mention clearly.
- The envelope should be sealed
- The payment will be made through E-mode only after the work satisfactory completed. The Bank details along with IFSC code should be mentioned.
- The Hon'ble Vice-Chancellor, SVPUA&T, Meerut reserved the right to accept or reject any or all the quotations without assigning and reasons thereof.
- The copy of pan card should be enclosed.
- Copy of GST registration should be enclosed
- Quotation received after due date will not be entertained.

Copy to-

- All noticeboards
- The comptroller for kind information
- The officer In-charge (IT) with request to upload the notice on university website.
- P.R.O to Hon'ble Vice-Chancellor for kind Information


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Dr. Alka Mishra
 (PI, Seed Money Project)
Dr. Nimisha Tehri
 (Co-PI, Seed Money Project)

Email: alkamishra@svpuat.edu.in
nimishatehri@svpuat.edu.in

Letter No. SVP/PHT/...3231.../2025
 Date: 05/02/2026

Notice

Sealed quotations are invited from reputed firms/suppliers for the supply of the electronic items listed below, intended for the making of LED based surface decontamination setup under seed money project. The quotations must reach the College of Post Harvest Technology and Food Processing, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut – 250110 by 5:00 PM on or before 25/02/2026, either by registered post or by hand.

S. No.	Items	Specifications	Quantity	Cost with GST (INR)
1	LED Drivers	Constant current LED driver modules rated at 20W, compatible with 3.7V and 5V LED arrays, designed for universal AC input voltage range (110–220V AC), with each unit providing regulated output for stable LED operation.	4	
2	Aluminium Heat Sinks	Extruded aluminum heat sink with dimensions of 60 mm (width) × 300 mm (length) × 10 mm (thickness), engineered for efficient passive thermal dissipation in high-power LED and electronic applications.	4	
3	Cooling Fans	12V DC brushless cooling fan with a current rating of 100 mA, available in form factors ranging from 80 mm to 120 mm, optimized for continuous airflow and thermal management in electronic and LED systems.	4	
4	Temperature Sensor	Rated Voltage (V): 3 to 5.5; Measuring Temperature (°C) -55 ~ +125 °C; Probe Diameter 6mm; Probe Length (mm): 50mm; Resolution: 9 ~ 12 bit; Query time 750 msec; Cable Length (m): 1	2	
5	Customise Enclosure Box	Measuring 300 mm × 200 mm × 200 mm, engineered for housing electronic assemblies or optical systems requiring access and moderate environmental protection	1	
6	Manual controlled Presettable Timer Module	Manually operated, presettable timer module featuring relay-based load control and integrated audible alert system via piezoelectric buzzer-ideal for timed automation and alert applications	1	

7	Solid-state Thermoelectric Peltier Refrigeration Cooling System	Operating Voltage (VDC): 12; Operating Current (A): 6; Dimensions in mm (LxWxH): 220 x 140 x 40	4	
8	12V 30amp Power Supply	360watt SMPS; Input Voltage Range: 180 ~ 264VAC; DC Output Voltage (V): 12; Rated Current (A):20; Rated Power (W): 360	2	
9	Master Control Circuit	Features Display of Temperature sensor inside and outside the chamber; Preset for maintaining the inside temp at desired level; Operating the timer as desired; Switching of LED's in 2 patterns	1	

Term and Conditions:

- The envelopes should be sealed and superscribed with "Quotations for supply of electronic items for LED based surface decontamination system"
- The rate should be quoted including all taxes and/or all other charges
- The items have to be supplied to College of Post Harvest Technology and Food Processing, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut-250110 without any additional charges
- Payment will be processed only after the supply of items, installation and demonstration.
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- The University reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

*Recommended & Forwarded
for n-a pls*
[Signature]
06/02/26
Dean
College of PHT&FP
SVPUAT, Meerut (UP)

[Signature]
05/02/26
(Dr. Nimisha Tehri)
(for Pr. Atika Mishra)

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S. No.	Items	Specifications	Quantity	Cost with GST (INR)
1	254-265 nm UV LEDs	High-power 4-watt ultraviolet LED module emitting within the 254–265 nm germicidal spectrum, mounted on a 27 mm diameter aluminum-core printed circuit board (MCPCB) for efficient thermal management	4	
2	405-415 nm Visible LEDs	High-intensity 5-watt ultraviolet LED array operating within the 405–415 nm near-UV spectrum, encapsulated in a 5050 SMD package and thermally integrated onto a 27 mm aluminum-core PCB for enhanced heat dissipation and structural stability.	4	

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[Signature]
05/02/26
Dean

College of PHT&FP
SVPUAT, Meerut (UP)

[Signature]
05/02/26

(Dr. Nimisha Tehri)

(For. Pr. Alka Mishra)

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