

659

Reference No.: PSC/Zoo/CRG/25/2

Date: 01/11/2025

To

The Registrar  
Patna University  
Patna

Through The Principal  
Patna Science College  
Patna University



Subject: Request to publish the list of equipments for the quotation invitation, on the website of Patna University

Letter No. 9605/219  
Date: 01/11/2025  
Respected Ma'am,

Department of Zoology, Patna Science College desires to purchase the Equipments (list attached) under the research project entitled with **Role of Arsenic resistant bacteria in detoxifying arsenic in edible plants of Bihar**" approved by ANRF-DST, Government of India, file no.- CRG/2022/003913. The sanction letter is enclosed with this letter

Forwarded

01/11/2025

PRINCIPAL  
PATNA SCIENCE COLLEGE  
PATNA-800005

I request you to kindly publish the list of equipments for the quotation invitation, on the website of Patna University.

Best regards,

Priyanka Sharma  
Dr Priyanka Sharma 01/11/2025

(Project Investigator)  
Assistant Professor  
Department of Zoology  
Patna Science college  
Email- priyankajnu89@gmail.com

Shahini  
01-11-2025  
50.600/IT Cell

Copy to: The In-charge, IT Cell, Patna University

#### List of Equipments

for the DST SERB CRG Project (File no CRG/2022/003913) entitled "**Role of Arsenic resistant bacteria in detoxifying arsenic in edible plants of Bihar**".

गुणित  
प्रोफेसर प्रायंका शर्मा  
Quotation  
Invitation  
प्रोफेसर प्रायंका शर्मा  
02/11/25

| S. No.            | Equipments | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No. of unit |
|-------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Equipments</b> |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| 1.                | A37835     | <b>MiniAmp™ Plus Thermal Cycler</b><br><b>Specifications</b><br>Thermal Accuracy - $\pm 0.25^{\circ}\text{C}$ ( $35^{\circ}\text{C}$ to $99.9^{\circ}\text{C}$ )<br>High-throughput      Compatibility      -High-throughput<br>Compatible -<br>For Use With (Equipment)-Applied Biosystems Gene Amp<br>plastics consumables<br>Thermal Uniformity- $<0.5^{\circ}\text{C}$ (20 s after reaching $95^{\circ}\text{C}$ )<br>Reaction Speed-Fast, Standard<br>Dimensions-39 x 19 x 20 cm (15.4 x 7.5 x 7.9 in.)<br>Capacity-1 x 96-well, 0.2 mL<br>Voltage-100 to 240 V<br>Display Type-5 in. Color TFT LCD Touchscreen<br>Product Type-Thermal Cycler<br>Warranty-Limited Warranty<br>Thermal Range- $0^{\circ}\text{C}$ to $100^{\circ}\text{C}$<br>User Interface-USB, Wi-Fi, Ethernet<br>Wattage-500 W<br>Max. Ramp Rate- $3.5^{\circ}\text{C/s}$ (Block), $1.8^{\circ}\text{C/s}$ (Sample)<br>No. of Programs->1000 Protocols<br>Weight-5.9 kg (13 lb.)<br>Block Configurations-96-well, 3-Zone VeriFlex Block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1           |
| 2.                |            | <b>Lab Refrigerated Incubator Shaker Model-ORBITEK®-LE PartNo.LE-D</b><br>Shaking Frequency1 : 30-350 RPM<br>Shaking Deviation : $\pm 2\%$ RPM<br>Shaking Display : Digital LED<br>Shaking Change via : Potentiometer<br>Shaking Motion : Orbital<br>Diameter of Orbital Motion : 26 mm (1 inch)<br>Platform Dimension (W x D) : 420 x 420 mm<br>Drive : Permanent Magnent DC Motor ( PMDC )<br><b>TEMPERATURE SPECIFICATION</b><br>Temperature Range : $5^{\circ}\text{C}$ to $70^{\circ}\text{C}$<br>Temperature Accuracy: $\pm 0.1^{\circ}\text{C}$ in cooler off condition<br>$\pm 0.5^{\circ}\text{C}$ in cooler on condition<br>Temperature Sensor : Pt100<br>Temperature Controller : Microprocessor Based PID<br>Temperature Display : Digital LED<br>Temperature Change via : Soft Touch Keypad<br>Thermostat cut-off for Temperature over shoot<br>Non Volatile Memory with automatic Power failure restart<br>Unit comes with Safety Stop switch during door openings<br>Universal Aluminum Platform2 can accommodate Standard<br>clamps of sizes from<br><b>Includes</b> <ol style="list-style-type: none"> <li>Standard Universal Platform (Aluminum</li> <li><b>Accessories</b></li> <li>S.S Clamps to hold 100ml Erlenmeyer flask-5</li> <li>S.S Clamps to hold 250ml Erlenmeyer flask4</li> <li>S.S Clamps to hold 500 ml Erlenmeyer flask4</li> <li>S.S Clamps to hold 1000 ml Erlenmeyer flask1</li> <li>S.S Clamps to hold 2000ml Erlenmeyer flask1</li> </ol> Stationary Tray | 1           |

Reference No.: PSC/Zoo/CRG/25/3

Date: 01/11/2025

Department of Zoology, Patna Science College desires to purchase the Equipments (list attached) under the research project entitled with **Role of Arsenic resistant bacteria in detoxifying arsenic in edible plants of Bihar**" approved by ANRF-DST, Government of India, file no. - CRG/2022/003913

| S. No. | Equipments | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No. of unit |
|--------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1.     | A37835     | <b>MiniAmp™ Plus Thermal Cycler</b><br><b>Specifications</b><br>Thermal Accuracy - $\pm 0.25^{\circ}\text{C}$ ( $35^{\circ}\text{C}$ to $99.9^{\circ}\text{C}$ )<br>High-throughput Compatibility -High-throughput Compatible -<br>For Use With (Equipment)-Applied Biosystems Gene Amp<br>plastics consumables<br>Thermal Uniformity- $<0.5^{\circ}\text{C}$ (20 s after reaching $95^{\circ}\text{C}$ )<br>Reaction Speed-Fast, Standard<br>Dimensions-39 x 19 x 20 cm (15.4 x 7.5 x 7.9 in.)<br>Capacity-1 x 96-well, 0.2 mL<br>Voltage-100 to 240 V<br>Display Type-5 in. Color TFT LCD Touchscreen<br>Product Type-Thermal Cycler<br>Warranty-Limited Warranty<br>Thermal Range- $0^{\circ}\text{C}$ to $100^{\circ}\text{C}$<br>User Interface-USB, Wi-Fi, Ethernet<br>Wattage-500 W<br>Max. Ramp Rate- $3.5^{\circ}\text{C/s}$ (Block), $1.8^{\circ}\text{C/s}$ (Sample)<br>No. of Programs->1000 Protocols<br>Weight-5.9 kg (13 lb.)<br>Block Configurations-96-well, 3-Zone VeriFlex Block | 1           |

Priyanka Sharma

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 2. | <p><b>Lab Refrigerated Incubator Shaker Model-ORBITEK®-LE</b><br/> <b>PartNo.LE-D</b><br/> Shaking Frequency : 30-350 RPM<br/> Shaking Deviation : <math>\pm 2\%</math> RPM<br/> Shaking Display : Digital LED<br/> Shaking Change via : Potentiometer<br/> Shaking Motion : Orbital<br/> Diameter of Orbital Motion : 26 mm (1 inch)<br/> Platform Dimension (W x D) : 420 x 420 mm<br/> Drive : Permanent Magnet DC Motor ( PMDC )<br/> <b>TEMPERATURE SPECIFICATION</b><br/> Temperature Range : 5°C to 70°C<br/> Temperature Accuracy: <math>\pm 0.1^\circ\text{C}</math> in cooler off condition<br/> <math>\pm 0.5^\circ\text{C}</math> in cooler on condition<br/> Temperature Sensor : Pt100<br/> Temperature Controller : Microprocessor Based PID<br/> Temperature Display : Digital LED<br/> Temperature Change via : Soft Touch Keypad<br/> Thermostat cut-off for Temperature over shoot<br/> Non Volatile Memory with automatic Power failure restart<br/> Unit comes with Safety Stop switch during door openings<br/> Universal Aluminum Platform2 can accommodate Standard clamps of sizes from</p> <p><b>Includes</b></p> <ol style="list-style-type: none"> <li>Standard Universal Platform (Aluminum</li> <li><b>Accessories</b></li> <li>S S Clamps to hold 100ml Erlenmeyer flask-5</li> <li>S S Clamps to hold 250ml Erlenmeyer flask4</li> <li>S S Clamps to hold 500 ml Erlenmeyer flask4</li> <li>S S Clamps to hold 1000 ml Erlenmeyer flask1</li> <li>S S Clamps to hold 2000ml Erlenmeyer flask1</li> </ol> <p>Stationary Tray</p> | 1 |
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For these Equipments, we invite the quotation from the reputed firm by 30<sup>th</sup> November 2025 to supply these items within 30 days after issuing a purchase order.

**Term and Conditions:**

- Price should inclusive with GST.
- Quotation validity should be 30 days
- Warranty of at least 2 Years
- Payments 100% Bill Basis through Account Payee Cheque/RTGS
- Installation will be done at customer site

\*The quotation should be generated in the name of the project

**DST SERB CRG Project (File No CRG/2022/003913)**

**Department of Zoology, Patna Science College, Patna University, Patna**

The sealed hard copies of the quotation should be sent to the address Department of Zoology, Dr Priyanka Sharma (Project Investigator), Patna Science college, Patna University, Patna 800005

Best regards,

*Priyanka Sharma*

Dr Priyanka Sharma (Project Investigator)

Assistant Professor

Department of Zoology, Patna Science college

Email- [priyankajnu89@gmail.com](mailto:priyankajnu89@gmail.com), 9953525918

Copy to: The In-charge, IT Cell, Patna University