

**TENDER NOTICE** for supply and installation of equipment's for the DBT funded grant under  
the PI'ship of Dr. Firdous A. Khanday

Sealed tenders are invited from manufacturers/authorized dealers of companies for supply and installation of the imported equipments listed below. The tenderer should have TIN number, Latest VAT clearance, GST registered and should submit detailed catalogue of the equipments and an authorization letter from the principal manufacturers of the equipment's along with tender. The Technical and Price bids should be kept in separate envelopes. The rates should be quoted for Department of Biotechnology, University of Kashmir, Srinagar and all taxes applicable shall have to be included and indicated clearly and separately. The successful bidders shall have to enter into an agreement with the Department of Biotechnology regarding post sale service and related matters on mutually acceptable terms and conditions. The last date of submission of tenders in person or by post to undersigned shall be 07/09/2017 (upto 3p.m). The tenders received after the expiry of the due date shall not be considered. Detailed specifications of each equipment are available on the official website of the University of Kashmir.

| S No. | Name of Equipment   | Specifications  |
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| 1.    | Class II biological safety cabinet NSF Certified only.<br><br><b>Quantity 1</b> | Dimensions (W×H×D mm): Exterior: 1300×1568×800;<br>Interior:1200×780×630<br>Material: Stainless steel working surface 304 includes adjustable height stand, one set of armrest.<br>Factory installed UV light, HEPA filter, Pressure sensor filter, Smart flow design with digital airflow, Negative pressure dual side wall, Sloped front, bright workspace.<br>Petcock for vacuum, Electrical outlet.<br><b>Real time display &amp; Maintenance</b> of overall inflow and down-flow air Velocity, cabinet status.<br>With dual DC motor.  |
| 2.    | CO <sub>2</sub> Incubator<br><b>Quantity 1</b>                                  | Chamber Capacity:150 lit -200 lit<br>Temperature range: +3°C above Ambient to +55°C.<br>Temperature Control ±0.1°C&Temperature Uniformity:±0.5°C<br>Interior 304 stainless steel, smooth electro polished finish.<br>Perforated 304 stainless steel shelves at least 3.<br>Sterilization Cycle should have 90°C moist heat automated decontamination or 120°C Degree Dry Heat<br>Thermal conductivity :TC/IR Sensor<br>Co2 sensor to display 0-20%&Co2 Control Better than ±0.1%<br>Humidity Water Reservoir Vol. at least 3 litres, Pan-less,<br>Humidity:>90 %.<br>Certified by ISO 9001 ,CE mark , <b>(Please attaché Certificates)</b><br>System should be 230VAC/50Hz, 1 PH<br>Warranty: 1 year. |

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| 3. | Semi Dry Transfer Apparatus:<br><br><b>Quantity 1</b> | System should be convenient – for simultaneously transfer up to four mini-sized gels or two midi sized gels. Designed for rapid semi-dry transfer of proteins from polyacrylamide gels to nitrocellulose or PVDF membranes in 5-10 minutes<br>2. Should have integrated power supply with blotting Software and the blot Cassette (for blotting).<br>3. Pre-programmed methods for Low MW, Mixed Range MW, High MW, Standard Semi Dry, 1.5 mm gels or unknown size gels<br>4. USB port should be there for program transfer.<br>5. Easy-touch programming for access to pre-programmed transfer methods based on the gel number, gel size and molecular weight range of proteins using color LCD menu touch screen and also to easily create, run and save custom transfer methods.<br>6. Should have Audible alarm for End of run.<br>7. Should be CE / TUV certified.<br>8. Should be able to store 20 or more programmable methods.<br>9. Should be an open system which accepts accessories and consumables from different suppliers also.<br>10. Should be Upgrade-ready for fast Coomassie dye staining & destaining of protein gels in 6-11 minutes.<br>11. Power supply: built-in power supply.  |
| 4. | - 80 Deep freezer<br><br><b>Quantity 1</b>            | 1. Upright Deep Freezer -86°C (Should maintain -86°C at ambient temperature up to 32°C)<br>2. CAPACITY: - 450-550 liters<br>3. Warm up time should be Minimum 3-hhr from (-80°C to -50°C)<br>4. Heavy gauge, cold-rolled steel exterior construction with a powder coat paint finish that resists chipping and rust and stainless steel interior.<br>5. Freezer should have at least 4 Compartments.<br>6. Freezer should have Minimum 5” foamed-in-place, polyurethane insulation/ vacuum Insulation panel.<br>7. Heavy duty lockable castors with adjustable leveling feet and lockable outer doors.<br>8. System must have digital control panel – which should be mounted at Eye level to show all information warnings for the system.<br>9. 1 (One) Minute door recovery (after opening) to -70 degree Celsius should less than 30 min.<br>10. Freezer must have minimum 2 cascading compressors of at least 1 HP each, Power Management System with low voltage surge.<br>11. Automatic Reset: Microprocessor controller to protect the system from failure Caused by Power Spikes.<br>12. Should have Optional facility for Wireless data monitoring system for the freezer with SMS alert.<br>13. Freezer must be Certified, CE, UL Certified.(certificate should be attached)<br>Warranty: - 2 years |

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| 5. | Mini Centrifuge<br><br><b>Quantity 1</b> | Dimensions: W×D×H (300×460×250mm)<br>Max. Rotational speed= 13,000 rpm, Max. RCF= 17000×g<br>Dual 18 position centrifuge for 1.5ml/2ml tubes& 0.5 ML Rotor<br>Temp. = -10 to 40C.<br>European CE certified. |
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