

# Department of Reproductive Biology

## Purchase of Machinery & Equipment under Plan Year 2014-2015

### List of Non-Tendered Items Proposed to be Purchased

*Specifications of Rate Enquiry Items (<2 lakhs) Total amount Rs.8.4 lakhs*

#### 1. Media Filtration Unit:

Quantity 1;

##### Fixed Speed Peristaltic Pump Assembly

- a. Fixed Speed Peristaltic Pump, 230 V/50 Hz
- b. Polysulfone and steel pump head; stainless steel chassis; painted steel case; approx. 3/8 inches Outer Diameter x 3/16 inches Inner Diameter silicone tubing
- c. Approx. 60 RPM fixed-speed drive
- d. 3 conductor (grounded) power cord

##### Filter 0.22 $\mu$ m, PVDF Durapore, with bell outlet, gamma irradiated

- a. Sterile Filter 0.22  $\mu$ m, PVDF, with bell outlet, gamma irradiated, 0.22  $\mu$ m pore size Hydrophilic PVDF Durapore membrane work with syringes, peristaltic pumps or pressure vessels eliminating the risk of contamination associated with decanting or pipeting
- b. Female Luer-Lok with upstream vent
- c. Maximum Inlet Pressure, bar (psi) – approx 3.1 (45)
- d. Process Volume, 2000 mL
- e. Fitting Outlet - Filling bell
- f. Filtration area approx 10 cm<sup>2</sup>
- g. Maximum operating temperature – 45°C
- h. Sterilization method used is gamma irradiation

##### General Terms & Conditions

The Vendor should have a good service and application support back up along with instruments to provide an effective application related troubleshooting and support with user list

The vendor should provide comprehensive training on the operation of the instrument

Warranty for 3 Years or more

#### 2. Digital Micropipette Sets

Quantity 1 set (4 pcs);

- a. Volume:  $\leq 2$  ul,  $\leq 20$  ul,  $\leq 200$  ul &  $\leq 1000$  ul (one each) pipette
- b. Battery & Electric power operated
- c. Charging stand: one for each pipette
- d. UV resistant
- e. Digital display
- f. Piston: smooth running, corrosion-free and chemical resistant
- g. Easy to maintain & calibrate
- h. Should use tips from all well known manufacturers

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**3. Hot plate digital magnetic stirrer with magnetic beads**

**Quantity 1;**

- a. LCD Digital Magnetic Hotplate Stirrer
- b. Simple running interface easy to use and program
- c. Automatically identify temperature sensor
- d. Record and display the last running parameter when switch on
- e. LCD display target and actual temperatures, as well as set and actual speed can be displayed
- f. Rapidly reaches target temperature and enhances control accuracy
- g. Fully closed assembly guarantees safety and long service life, effectively prevents the liquid into unit to protect the components from damage
- h. Separate safety circuits, fixed safety temperature of 360°C, Automatically stops heating once exceed secure temperature.
- i. HOT warning indicates residual hotplate temperature. LCD display would show "Hot" when hotplate temperature over 50°C warning point, even if switched off

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**4. 5 KV UPS, DGSD rate contract**

**Quantity 1;**

- a. Online with 2 hours back up

General Terms & Conditions

The Vendor should have a good service and application support back up

Warranty for 3 Years or more

**5. Security camera & monitoring system**

**Quantity 12;**

- a. CCTV Dome/Bullet Camera
- b. 800 TV lines Resolution or better; 16 Channel or better DVR
- c. 2 TB Hard- disk or more
- d. 3.6 mm Fixed Board Lens
- e. IR Day/Night Capability; IR LED; De-fog function
- f. Minimum Illumination; Supports auto gain control
- g. 1/3 HDIS Sensor
- h. Branded Monitor (minimum 32 inches; Dell/Sony/Samsung/LG/etc)
- i. Installation cable pipe, SMPS, Connectors

General Terms & Conditions

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Warranty for 2 Years or more

**6. Parafilm M cutter**

**Quantity 2;**

- a. Suitable for 50 mm and 100 mm wide rolls
- b. Easy to use: Inserting, Dispensing, Cutting & Taking

General Terms & Conditions

The Vendor should have a good service and application support back up with user list

Warranty for 2 Years or more

**7. Sterilized Door Air Cutter/Blower:**

**Quantity 2;**

- a. Approximately 1500 x 200 x 212 Dimension (mm) length, height and width
- b. UV/IR sterilized air blower
- c. Power saver
- d. Auto Sensor mode

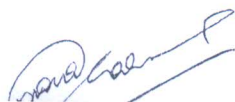
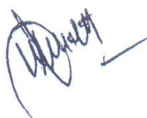
General Terms & Conditions

Power: 220-240 V

Appropriate National/International Certification

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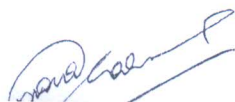
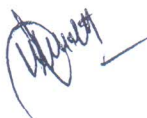
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