

## **RE-TENDER SPECIFICATION FOR PLAN FUND 2014-15**

### **SL. NO. 1 : 25KVA ONLINE UPS**

**Earnest Money: Rs. 20,000.00**

#### **Specifications:**

##### **AC input parameters**

Nominal input voltage

230V, Single Phase, 2 Wire + G, Variation : 160V-280V

415V, Three Phase, 4 Wire +G, Variation : 300V-470V

Input Power Factor : 0.9

Input Frequency : 50Hz±0%

##### **Output parameters**

Output Voltage : 230V AC Single Phase or 415 V AC Three Phase

Voltage Stability : ±1% for DC Input variation & output load variations

Frequency (Free Running) : 50Hz±0.05 Hz

Frequency (Synchronized to Mains) : 50Hz±3 Hz

Harmonic Distortion : <2%

Efficiency : >90%

Power Factor : 0.8 lagging unity

Overload : 125% for 10 minutes; 150% for 60 secs or as per customer's requirement

Crest factor : >4:1

Transient Recovery : Dynamic Variation ±5%; recovery within 3 cycles

Phase Displacement for 3 Phase Output : 120° ±1°

Audible Noise : Less than 55 db at 1 metre

### **SL. NO. 2 : HYDROGEN GENERATOR**

**Earnest Money: Rs. 10,000.00**

#### **Specifications:**

Flow rate : 250 CC/min (minimum), Purity: 99.99999%

Outlet Pressure: 0-7 Bar, Outlet connection: 1/8" BSP/ 1/ 8" Swagelok,

Supply voltage: 90-264 volts (47-63 Hz)

Drying type : Desiccant, Water Tank capacity : 5 ltrs

Maximum Ambient Humidity: <85% RH,

Operating temperatures: 5-40 degree C,

H<sub>2</sub> pressure (should be adjustable) : 0-100 psi

Automatic leak detection and shut-off in case of Hydrogen leak, low water/poor quality water. Facility of audible and visual alarm. Excess hydrogen pressure release port. Start-up time power onto hydrogen delivery is to be mentioned.

The system should have full feature electronic display, showing hours run, Water conductivity, hydrogen flows and flow totaliser, alarm status. Complete with platform for holding the generators, room conditioners for the generators and including all accessories.

**SL NO.3 : UNIVERSAL REPRO STAND FOR FORENSIC SCIENTISTS:**

**Earnest Money: Rs. 30,000.00**

**Specifications:**

1. Transmitted illumination 2x13W, daylight
2. Glass insert 300x455 mm
3. 2 light guide connections with integrated illumination 15V/150W
4. 2 light regulators, 1 switch for transmitted light
5. Built-in daylight filter
6. 2 stand rods, height 400 mm
7. Fixing possibilities for additional light sources, e.g. Repro RB5000DL/RB5003UV
8. Guide column 1.0 m with height adjustment and hand crank, division in cm and inch
9. Stable camera carrier for full-size exposure with X/Y movement, up to A3 format.

**SL. NO.4 : HIGH SPEED TABLE-TOP REFRIGERATED CENTRIFUGE**

**Earnest Money: Rs. 10,000.00**

**Specifications:**

Max Speed : 15,300 rpm ; Max RCF:21,913 x g  
Max Volume : 480 ml with 4 x 120 ml swing out rotor  
Max Volume : 340 ml with 4 x 85 ml Angle Rotor  
Temp. range -10 to 40°C & CFC free refrigeration  
Maintenance Free, noiseless, brushless motor drive  
Single knob operation (no complicated key pad)  
Large size LC Display Screen for display of set & run parameters i.e. speed, rcf, temp. time, rotor number  
Self diagnostic error messages  
Short run facility with programmable preset speed & display run time in seconds  
Automatic Magnetic Rotor Identification prevents rotors from over speeding  
2 linear accell & decell curves for **Soft start/Soft stop facility** to avoid mixing of sedimentation time increment in 1 or 10 sec.  
Double lid locks for additional safety, selectable auto lid opening  
50 programs memory

**With following rotors**

Angle Rotor 24 x 1.5/2.2 ml max. 15,300 min 21,460 x g  
Angle rotor for 6 x 50 ml Falcon tube Max. 12,000 rpm; & Adapter for 15 ml Falcontube & 50 ml round bottom tubes  
Should be quoted with suitable Stabilizer.

**SL. NO. 5 : TD3 FORENSIC IMAGER**

**Earnest Money: Rs. 5,000.00**

**Specifications:**

- Disk-to-File Duplication (Compressed .e01 & .ex01)

- Disk-to-Disk Duplication (Cloning)
- Compute Hash Values
- Verify Hash Values
- HPA/DCO Disable
- Blank Check Drives
- Format Drives
- Wipe Drives
- Display, Print and Save Logs
- Secure User Profiles

**SL. NO. 6 : SLR CAMERA**

**Earnest Money: Nil**

**Specifications:**

12.3 mega pixels

CMOS image sensor

Expeed image processing

Live show capability with 7.6 cm, 920-dot high resolution LCD

4.5 FPS

11 AF Points

Compatible with picture control system.