



DEPARTMENT OF CHEMISTRY

UNIVERSITY COLLEGE OF SCIENCE & ARTS
TELANGANA UNIVERSITY
NIZAMABAD - 503 322

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Date: 8th Nov., 2016

Sub: Sealed Quotations are invited to supply Equipments (UV Cabinet, Digital Oil Bath, Vertical Laminar flow and Incubator) for DST-SERB/ECR research project, Dept. of Chemistry, Telangana University Reg.

As per the subject cited, sealed quotations are invited from the reputed firms to supply of Equipments (UV Cabinet, Digital Oil Bath, Vertical Laminar flow and Incubator) for DST-SERB/ECR research project, Dept. of Chemistry, Telangana University on or before 23-11-2016 by 4.00 pm. Please write on sealed cover as quotations for Equipments (UV Cabinet, Digital Oil Bath, Vertical Laminar flow and Incubator) for DST-SERB/ECR research project and submit the sealed quotations to the Dr. G. Balakishan, Principal Investigator, SERB-ECR/2015/000565 research project, Department of Chemistry, University College, Telangana University, Dichpally, Nizamabad-503322.

Ph. D. Gorre
at website
Y. Jagan
8/11/16


8/11/2016

REQUIRED SPECIFICATIONS

- 1) **U.V.Cabinet:** 3 Tube - (Long wave, Short wave, White light sources.)
- 2) **Oil Bath:** Digital - with SS304 Bowl. Capacity: 2 Ltr.
- 3) **INCUBATOR MODEL : NSB-80D MAKE : NS BIOSCIENCE**
Temp. Range : Ambient +5°C to 70°C
Temp. Accuracy : +/- 0.1 °C
Temp. Control : PID Controller
Temp. Display: LED, 2 Screen display actual and setting temp.
Temp. Sensor : PT-100
Heater : 500 W
Shelf (Adj) : 2 nos
Inner Dimensions : 500 x 400 x400 mm
Outer Dimensions : 600 x 510 x720 mm
Power Voltage : 220 V / 50 Hz
- 4) **VERTICAL LAMINAR FLOW CABINET** Make : M/s. Microfilt India Model : MFI

Material of Construction: Galvanized Iron sheet with Epoxy Polyester

Thermosetting Powder coating of 80 microns, 1.5mm thickness

Body Finish : Glossy off white color for GI powder coated

Table Top : 1.2mm SS304 sheet of matt finish pressed on 25mm solid unwed board

Side Glass : 5mm float glass encased in powder coated channels

Front Door: Frameless sliding glass Doors of Toughened
glass 6mm thickness – 2 nos

Wheel & Leveling Lugs : PU solid wheels with plated brackets & Metallic powder coated leveling Lugs for GI model PU solid wheels with SS304 Brackets

Design & Classification: visibility from all four sides with advantage of both side working. Side Loading pre-filters. Complete work area will be of SS 304 including HEPA Grill, Unit mounted on square tubular pipe structure for GI / SS 304

Cleanliness Class : ISO Standard 14644 – 1 – Class 5

Stages of Filtration : 1. Pre-Filters – 10 μ with an efficiency of 90% washable HDPE media in FRP PU coated Frame for GI models.

Motor Blower Assembly : “ Godrej” make variable speed motor mounted on PU coated FRP Blowers with Aluminum Powder Coated Impellers

Velocity : 100 FPM at 6” from face of the filter

Noise level : <60 Db at 1 meter from the face of the equipment

Pressure Gauge : Minihelic gauge

HEPA Filter Grill : SS 304 grill duly perforated and polished

Electrical Switches & Speed Controller : Microprocessor Controlled Feather

Touch switch panel

Fluorescent Lighting : 18 watt – 2 nos

Chokes of lighting : 18 watts – 4 nos

Ultra Violet Lighting : 3 feet length ; G30T8 30; Watt -

Power consumption : 280 Watts Lighting >than 800Lux

Power Supply : Single phase 5 Amps power cord, 230V, 50Hz power supply

Gas / Vacuum Cock : Standard Make – Optional

Gas Burner : Standard Make – Optional

External inches : 29.5 x 29.5 x 84

External Dimensions (mm) : 1360 x 750 x 2136

Work area (inches) : 26.3 x 29.5 x 27.75

Dimensions (mm) : 670 x 750 x 705

