



INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY
(An Autonomous Institute under Department of Science and Technology, Govt. of India)
Paschim Boragaon, Vigyan Path, Garchuk, Guwahati-781035
Notice inviting Quotations for equipments

Advt. No 68(NIQ)

Dated 7th April, 2017

Quotations are invited from eligible suppliers for the supply and installations of the following equipments for different sponsored projects within the institute. The reputed manufacturers/authorized distributors/dealers from India can compete in the bid and may send their quotations, super scribing the name of item quoted, NIQ No. and its date on the envelope. Bid documents must contain the necessary terms & conditions, quoted price, specifications, including all taxes for transport, installation, warranty period etc. along with the catalogue/ Brochure. All these bid documents may be sent as hard copy, addressing to the Registrar, IASST, Paschim Boragaon, Garchuk, Guwahati-781035, Assam. The necessary email address is_registrariasst@gmail.com for sending the soft copy, if desired. The last date of submission of bid is **28.04.2017 at 5pm**.

There will be no bid fee (EMD) applicable for the items/equipments. The competent authority reserves the right to accept/ reject of any application. Only the successful and qualified bidders will be contacted for necessary negotiation/supply of particular item(S).

List of Equipments(S)

1. Cryostat cooling water bath/ Chiller,
2. Bench top refrigerated centrifuge
3. Digital balance,
4. Western Blot.

Details of advertisement for submitting the quotation can be downloaded from institute website www.iasst.gov.in

Registrar, IASST.

1.Cryostat cooling water bath/ Chiller

Technical Specifications

- i) Temperature range: 0°C to 100°C;
- ii) Temperature control: $\pm 0.2^\circ\text{C}$ or better Coolant;
- iii) Volume: 8 litter or better;
- iv) Better to have low volume indicator;
- v) Should have the option to connect two systems (rotary);
- vi) Warranty: 3 years or more

2. Bench Centrifuge

Technical specifications:

- i) Maximum Rotational Speed: 15000 rpm or above.
- ii) Relative Centrifugal Force (rcf): 21000 x g or above.
- iii) Compact 24-place centrifuge with 24 x 1.5/2.0 ml rotor.
- iv) Temperature Setting Range: -10°C to 40°C.
- v) Fast Temp function for rapid cooling of the rotor and rotor chamber is essential (from 21°C to 4°C within max. 8 minutes).
- vi) Unique "click-lock" aerosol rotor lid for fast and reliable lid locking.
- vii) Continuous cooling following centrifugation process is essential.
- viii) Short-spin and Soft ramp function is required.
- ix) Acceleration time to max. rpm - 15 s or less.
- x) Braking time from max. rpm - 16 s or less.
- xi) ECO shut-off of compressor after 8 hours of non-usage - reducing energy consumption.
- xii) Noise level with rotor:< 48 dB(A) or less.
- xiii) Power supply: 230V/50-60Hz.
- xiv) Dimensions (WxDxH): 29 x 48 x 26 cm.
- xv) Condensate drain to prevent the accumulation of water in the chamber to reduce the risk of corrosion.
- xvi) Rotor and lid should be made of aluminum, rotor and rotor lids should be autoclavable at 121°C for 20 mins and aerosol tight.
- xvii) Instrument must have European CE Certification and IVD.
- xvi) Warranty: 3 years or more.

2a. Plate Rotor for centrifuge (extra part required for different centrifuge)

Technical specification:

1. Maximum speed: 3700 rpm
2. Rotor should be compatible to all types of 96 well plates
3. Swing-bucket should hold minimum 2 deepwell plates
4. Should have the provision to centrifuge different combinations of stacked plates.
5. Rotor and buckets should be autoclavable

3.Digital Balance

Technical specifications:

- i) Capacity: up to 220 gm or more
- ii) Readability: 0.1 mg.
- iii) Calibration mode: Internal calibration
- iv) Weigh, tare, open/close doors – no contamination, hands free operation.

4. Westernblot apparatus

Technical specifications:

- i) Tetra Cell, 10-well, 1.00 mm thickness, 2 gel system includes 5 combs, 5 sets of glass plates, casting stand, 2 casting frames, sample loading guide, electrode assembly, tank, lid with power cables, mini cell buffer dam
- ii) Blot module
- iii) Power Pack
- iv) LCD Display.
- v) Output range Volts: 10-300 V; Current: 4-400 mA; Power: 75 W
- vi) Output : Constant voltage, constant current or constant power
- vii) Automatic crossover
- viii) Timer : 1 min- 99 h
- ix) Volt - hour control
- x) Pause/resume function
- xi) Safety Features
- xii) Detection; ground leak detection, arc detection, overload/short circuit detection; overvoltage protection
- xiii) Automatic recovery after power failure.