



**DEPARTMENT OF BIOTECHNOLOGY
PANJAB UNIVERSITY CHANDIGARH 160014**

No...../DBT/PU

Phone:0172-2534085 (O), Fax : 0172-2541409

Dated:...../...../.....

To

The Director
Computer Science Department
P.U., Chandigarh

Dear Sir,

Kindly put this notice inviting quotation (NIQ) on the university website as desired by the chairperson, Deptt. of Biotechnology, P.U., for **Refrigerated Incubator Shaker (Orbital Shaker)** with the following specifications:-

- Speed range: 25 to 400 rpm +/- 1 rpm
- Temperature Range : At least 15deg C below ambient up to 80deg C (Minimum set point 8deg C)
- Temperature accuracy & Uniformity : + 0.3deg C
- Shaking storke : 25-30mm orbital motion
- Controller: programmable for speed up/down and temperature up or down on a timed basis
- Programmable shaking time and temperature
- Electrical motor : Brushless motor
- Drive : Triple eccentric electromagnetic Drive.
- Stackable : at least two machines should be stackable
- Universal tray with clamps should have capicity to hold of variable sizes (50ml to 6L) and at least 18 flaks of 250ml capacity.
- Inbuilt UV Light
- Moisture proof internal electric outlet installed in chamber
- Provision for shelf (with adjustable height) inside the incubator for incubating petri plates (to be provided by original equipment manufacturer)
- Alarms System should have audio visual alarms if units operates +/- 5 rpm and +/- 1 Degree centigrade of set parameters.
- Clamps to be supplied: 50ml-3nos., 125ml-3nos.250ml: 3 nos., 500ml: 10 nos., 1L 2 Nos.

Optional Specification

- Facility for future up-gradation for Gassing manifold for direct gassing into containers placed inside the shaker, Photosynthetic light for plant tissue culture.

The Performa Invoice in sealed envelope by Registered Post / Speed Post in the name of Chairperson, Deptt. of Biotechnology, Panjab University, Chandigarh, should reach by **07.11.14 at 5.00 p.m. By hand Quotation / Invoice will not accepted.**

Thanking You,

Yours Sincerely

(Chairperson)