



**DEPARTMENT OF MICROBIOLOGY**  
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No. Micro/300/SKS  
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## **NOTICE INVITING QUOTATIONS FOR THE SUPPLY OF A WATER BATH SHAKER**

Prof. S.K. Soni, Principal Investigator (PI), DBT project, Department of Microbiology, PU, Chandigarh is interested in the procurement and installation of a **WATER BATH SHAKER** along with utilities/ accessories. Quotations are invited from authorized distributors/Agents, as per the prescribed technical specifications, so as to reach PI as per following schedule.

Last Date and Time for receipt of Quotations: **30<sup>th</sup> SEPTEMBER, 2014; Till 4.00 pm**  
Date & Time of opening of Quotations: **01<sup>st</sup> OCTOBER, 2014 at 11.00 am**

Please send your quotation for a **WATER BATH SHAKER**, whose complete features, specifications and accessories are mentioned below so as to reach the undersigned by 30<sup>th</sup> September, 2014. The quality, make, packing, and other particulars of the item should directly be stated. While submitting the quotations please make the following points.

- It should be clearly stated whether the rates are inclusive of all taxes, commissioning, installation, in each and every respect.
- The rate of insurance, if any, should be specified. The firm will be required to submit original payable receipts along with their bills. The payment of insurance and freight charges will be made unless relevant receipts are produced.
- The quotation should be submitted in **DUPLICATE**.
- Please quote only for the items available in ready stock.
- The quotation must be enclosed in an envelope marked **QUOTATIONS** to be opened on 01.10.2014 (11.00 am). The envelope may kindly be put up in another envelope addressed to the Dr. S.K. Soni, PI, DBT Project, **Department of Microbiology, PANJAB University, Chandigarh.**
- **Please always quote F.O.R.** destination.
- Please certify if you are the manufacturer/sole selling agent/sole distributor for the item.

## **WATER BATH SHAKER**

### **Features:**

- Microprocessor controlled shaker with seamless water bath
- Orbital and linear shaking modes in one product with option of change from one mode to the other
- Magnetically coupled shaking mechanism for the shaker
- Smooth and quiet shaking over a wide speed range
- Individual displays/controls for temperature and shaking speed
- Temperature setting/display : digital/LED
- Wide-angle viewing display, with indication of heating state or cooling state
- Digital PID temperature control probe
- Variable high temperature alarm setting plus convenient timer function with audible alert and shaker control
- Self diagnostic status lights for speed, temperature & elapsed time
- Adjustable cutout safety feature for over temperature or low water level
- Should work on 220 volts, 50 cycles A.C. supply
- At least 3-year warranty

### **Specifications:**

- Adjustable shaking speed : 50 to 200 rpm for orbital shaking; 50-300 strokes/min for linear shaking
- Precision digital temperature control with stability of  $\pm 0.1^{\circ}\text{C}$
- Temperature range ( $^{\circ}\text{C}$ ) : 0 to  $99^{\circ}\text{C}$
- Uniformity ( $^{\circ}\text{C}$ ) :  $\pm 0.1$
- Display resolution ( $^{\circ}\text{C}$ ) : 0.1

### **Accessories**

- Stainless steel slopping lid
- Heat exchange coil to be attached to a supply of cooling tap water or a refrigerated circulator.
- Immersion Cooling device for operation around or below room temperature
- Plate form to accommodate test tube racks of different tube diameters and microtubes
- Universal plate form able to hold 100 ml, 250 ml, 500 ml and 1000 ml flasks

Yours faithfully



**S.K. SONI**

Principal Investigator, DBT Project