

**Department of Soil Science, Faculty of Agriculture  
Rajendra Agricultural University, Bihar  
Pusa, Samastipur - 848125**

**Dr. R. R. Singh**  
Chairman



No. : 660 /SS, Pusa

Date: 17 March, 2010

To,

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**Sub: Quotation for the purchase of instruments.**

Sir,

Sealed quotations are invited for the purchase of following instruments as per specifications mentioned against the name of instruments (copy enclosed). The rate should be F.O.R. Pusa, Samastipur inclusive of packing, forwarding, freight and installation & demonstration charges. If possible you may quote the DGS & D rate. The cost should be either inclusive of taxes or the tax, if any, should be mentioned separately. The period of warranty consequent upon the purchase & installation should also be mentioned in the quotation (normally it should not be less than two year from the date of installation). **Your quotation should reach the undersigned on or before 26.03.2010 along with leaflets / pamphlets if any, related to the equipments.** Please write QUOTATION and our letter No. on the top of the envelope carrying quotation. The validity period of quotation should not be less than 90 days from the date of opening of quotation.

The total cost should not exceed the amount written with instruments name.

- |                   |                |
|-------------------|----------------|
| 1. Muffle Furnace | - Rs. 60000.00 |
| 2. Hot air oven   | - Rs. 60000.00 |
| 3. pH meter       | -              |
| 4. Refrigerator   | - Rs. 35000.00 |
| 5. A.C. (split)   | - Rs. 25000.00 |

Yours faithfully,

(Chairman)

Sl. No.	Name of the Equipment and specification
1.	<p><b>Muffle Furnace</b></p> <p><u>Specification</u></p> <ul style="list-style-type: none"> <li>• Size W150 mm x D150 mm x H 300 mm</li> <li>• Material/Finish Outer casing mild steel in epoxy powder coating</li> <li>• Power Supply 220/230 Volts AC</li> <li>• Temperature controlling &amp; display working temp. 900<sup>o</sup>C, ambient to 1000<sup>o</sup>C accuracy ±5 degree centigrade</li> <li>• Additional energy regulators with indicators, pyrometer, thermocouple, thermal fuses etc.</li> <li>• Heating elements Kanthal wire special high temp. alloy to ensure uniform distribution of heat.</li> <li>• Standard Instrument must be accompanied with calibration certificate by NABL accredited agency</li> </ul>
2.	<p><b>Hot Air Oven</b></p> <p><u>Specification</u></p> <p>Approximate volume 200L</p> <ul style="list-style-type: none"> <li>• Temperature range up to 2500C</li> <li>• Temperature consistence 0.10C with efficient heaters</li> <li>• Inside should be of non-corrosive stainless steel</li> <li>• Should have adjustable 2 shelves with natural convection</li> <li>• Digital display of temperature</li> <li>• Should have proper power supply system</li> <li>• Onsite Warranty:- 2 Yrs</li> <li>• Original company literature from principal company/Manufacturer must be supplied, clearly verifying all specifications including user list</li> </ul>
3.	<p><b>pH meter</b></p> <p><u>Specification</u></p> <ul style="list-style-type: none"> <li>• pH: 0.00 to 14.00 pH</li> <li>• Temperature: -5°C to 90°C</li> <li>• Resolution: 0.01pH &amp; 0.1°C</li> <li>• Accuracy: ±0.01pH &amp; ±1°C</li> <li>• Temporary memory recalls up to 15 sequentially tagged readings for easy recall.</li> <li>• Automatic temperature compensated – simultaneously displays pH level and temperature of sample.</li> <li>• Must have RS 232 interface for data transfer</li> </ul>
4.	<p><b>Refrigerator</b></p> <p><u>Specification</u></p> <p>Type: Two Door Home Defrost Refrigerator</p> <p>Capacity: 310 liter volume</p> <p>Power Supply: 220 / 240 V, 50/66 Hz</p> <p>Refrigerant Type: R-12</p> <p>With compatible Voltage stabilizer</p>
5.	<p><b>Air conditioners (split type) – 1.5 Ton</b></p> <p><u>Specification</u></p> <ul style="list-style-type: none"> <li>• Mounting of fan coil unit – wall/ceiling</li> <li>• Cooling capacity K/Cal/HR (BTUS/HR) – 4500/(18000)</li> <li>• Power consumptions/Current (at rated condition) Watts – 2050</li> <li>• Power supply Volts/ Hz/ Phase – 230/50/1</li> <li>• Fan, Speed, Compressor Type – three</li> <li>• With compatible Voltage stabilizer</li> </ul>