

**DEPARTMENT OF SOIL SCIENCE  
RAJENDRA AGRICULTURAL UNIVERSITY, BIHAR,  
PUSA (SAMASTIPUR) – 848 125**

No. : 645 /SS, RAU, Pusa

Date: 10/03/ 2010

**NOTICE INVITING QUOTATION**

Sealed quotations are invited in two bid system - (A) Technical Bid (B) Financial Bid from ISO 9001 : 2000 certified Manufacturers / their authorised dealers / Indian authorized agents of foreign suppliers **through Registered Post / Speed Post/ Courier service** for the supply of following equipments for Soil Testing Laboratory under **National Project on Management of Soil Health and Fertility:**

S. No.	Name of Equipments	Quantity
1.	Atomic Absorption Spectrophotometer	13
2.	Scanning Visible Spectrophotometer	13
3.	Flame Photometer	13
4.	pH Meter	26
5.	Conductivity Meter	26
6.	Semi-Automatic Nitrogen Distillation System	13
7.	Horizontal Shaker	26
8.	Electronic Precision Table Top Balance	26
9.	Electronic Analytical Balance	13
10.	Table Top Centrifuge	13
11.	Hot Air Oven	13
12.	Global Positioning System (GPS)	13
13.	Sine Wave Home UPS	13
14.	Constant Voltage Transformer (CVT)	13
15.	Automatic Voltage Stabilizer	13

The details can be downloaded from our website [www.pusavarsity.org.in](http://www.pusavarsity.org.in). The firms Interested to submit the quotation for equipments mentioned at S. No. 1 to 6 are required to make a **Power Point Presentation** before a Committee about the technical specifications of the equipment and its allied details. Financial Bid of only those firms recommended by the Committee will be opened.

The quotations should reach to the **Chairman, Department of Soil Science, Rajendra Agricultural University, Pusa, Samastipur – 848125 (Bihar) on or before 25.03.2010**. Hand quotation will not be accepted. **Power Point Presentation by respective firms shall be on 27.03.2010** at 11:00 AM in the Seminar Hall of the Department of Soil Science, Rajendra Agricultural University, Pusa, Samastipur – 848125 (Bihar).

Sd/-  
**Chairman**  
**Department of Soil Science**

**List of Laboratory Equipments and their Specifications for Soil Testing Laboratory  
under National Project on Management of Soil Health and Fertility**

Sl. No.	Equipments and their Specifications	Quantity (Approx.)
1.	<b>Atomic Absorption Spectrophotometer</b> (Imported / Indian, with Cu, Fe, Zn, Mn, Mg, K, Ca, and Na Hollow Cathode lamps and complete accessories like acetylene gas cylinders, gas hood etc.).	13
2.	<b>Scanning Visible Spectrophotometer</b> (Micro-Processor/Micro-Controller based Scanning Visible Spectrophotometer, wavelength range:340-1000 nm approx).	13
3.	<b>Flame Photometer</b> (Micro-Processor /Micro-controller based, with Na, K and Ca filters, printer interface, air compressor and automatic ignition etc.).	13
4.	<b>pH Meter</b> (Micro-Processor/Micro-Controller based, with ATC Probe and combined electrode, 3 point calibration).	26
5.	<b>Conductivity Meter</b> (Micro-Processor/Micro-Controller based, with ATC Probe and Conductivity Cell, Reproducibility: 1 $\mu$ S).	26
6.	<b>Semi-Automatic Nitrogen Distillation System</b> (Digital display having facility for automatic Alkali and $\text{KMnO}_4$ addition, adjustable steam power, auto tube insert error and reagent level indicators, auto online water saving mechanism etc. with 04 no. each of 100 and 250 ml digestion tubes and their racks and suitable Automatic Voltage Stabilizer).	13
7.	<b>Horizontal Shaker:</b> (Reciprocating Horizontal Shaker with shaking tray size 50 cm x 80 cm, made up of wood, electrically operated variable speed controlling device.	26
8.	<b>Electronic Precision Table Top Balance</b> (with glass cover having: (A)Weighing capacity: 300 g approx., Readability: 0.001 g) (B)Weighing capacity: 1200 g approx., Readability: 0.01 g)	26
9.	<b>Electronic Analytical Balance</b> (with glass cover having Weighing capacity 120 g approx. and Readability 0.0001 g).	13
10.	<b>Table Top Centrifuge:</b> (Capacity: Eight centrifuge tube of 100 ml capacity with speed display, controller and timer etc.)	13
11.	<b>Hot Air Oven</b> (Double walled, Inner chamber made of stainless steel, Heating elements placed in the ribs at the bottom and sides. Temperature range: Few degree above ambient to $250^{\circ}\text{C}\pm 2^{\circ}\text{C}$ . Inner chamber size: 450 x 450 x 450 mm (approx).Complete set with air circulating fan, Digital temperature indicator-cum-controller, Timer etc.	13
12.	<b>Global Positioning System</b> (GPS with 160x288 pixels display resolution (WxH), 4 level gray LCD, light weight, battery life about 18 hours, high sensitivity receiver, USB PC interface, base map, ability to add maps, 20-24 MB built memory, 1000-1500 waypoints, 20 routes, 10000 points 10 saved track log, electronic compass, barometric altimeter, geocaching mode, sun and moon information, area calculation etc.	13
13.	<b>Sine Wave Home UPS</b> (Branded, Capacity: 1400 VA, Without Batteries)	13
14.	<b>Constant Voltage Transformer</b> (Branded, Capacity-3.0 & 5.0 KVA)	13
15.	<b>Automatic Voltage Stabilizer</b> (Branded, Capacity-5.0 KVA, working input 90-280V and giving out-put $220-240 \pm 2\%$ V)	13

## Terms and conditions of supply

1. The quotation should be submitted in a sealed cover under two bid system (Technical Bid and Financial Bid, **Separately**) to the **Chairman, Department of Soil Science, Rajendra Agricultural University, Pusa, (Samastipur) Bihar**, through the **Registered Post/ Speed Post/ Courier service** within the stipulated time.
2. All the rates should be quoted **F.O.R. Destination** where these equipments are to be installed viz. RRS, Bikramganj (Sasaram); JRS, Katihar; RRS, Jalalgarh (Purnea); IRS, Araria; PRS, Jhanjharpur (Madhubani); IRS, Madhepura; PRS, Biraul (Darbhanga); RRS, Madhopur (W. Champaran); ARI, Patna; BAC, Sabour (Bhagalpur); TCA, Dholi (Muzaffarpur); MBAC, Agwanpur (Saharsa); RAU, Pusa (Samastipur). At least one set of each instrument will be installed at above centres.
3. The rates should be inclusive of packing, forwarding, freight, insurance and installation charges etc.
4. The rate of taxes to be charged should be indicated separately.
5. The supplier should mention their Sales Tax /VAT registration number very clearly.
6. (A) Excise duty, if any, should clearly be indicated. If included in the cost, the excise duty component should be indicated separately, as the university is exempted from imposition of excise duty for certain goods, with respect to research and teaching purposes.  
(B) The University is also entitled for custom duty exemption on import of stores for research/teaching purposes. In such cases the special conditions/codal formalities of import are to be observed.
7. Technical Bid and Financial Bid should be submitted in two separate sealed envelopes for each equipment. Both the envelopes should then be put into one big envelope and sealed properly superscribing "Technical and Financial Bids" for the supply of----- (Name of equipment) under National Project on Management of Soil Health and Fertility, Due on dated 25.03.2010.
8. (A) The envelop containing Technical Bid should be superscribed "Technical Bid for the supply of----- (Name of equipment).  
(B) The envelop containing Financial Bid should be superscribed "Financial Bid for the supply of----- (Name of equipment).  
(C) The firms interested to quote the rates for more than one equipment are advised to put the quotations for each equipment in separate sealed envelopes and then send all the quotations in a big sealed envelope superscribed **Quotation for Equipments under National Project on Management of Soil Health and Fertility, Due on 25.03.2010.**
9. Technical bid must consist of the following:
  - (i) Catalogue of the equipment with details of specifications.
  - (ii) VAT / TIN Registration No. mentioned clearly and Xerox copy of the latest Sales Tax & Income Tax Clearance Certificate.

- (iii) In case delivery through authorized dealer, authorization certificate with validity of authorization.
  - (iv) List and address of organizations where the instruments has been supplied.
10. The manufacturers / authorised dealers should enclose photocopy of ISO certificate/ their authorized dealership certificate.
  11. The rates quoted should be valid for six months from the date of opening of quotations.
  12. Minimum warranty of the equipments should not be less than two years.
  13. The number of equipments may increase or decrease depending upon the actual requirement.
  14. The university reserves all rights to reject/or cancel any or all quotations received without assigning any reason.
  15. In case of supply order, the date of delivery as specified in the supply order should strictly be adhered to, otherwise University will have full right not to accept the delivery in part or full.
  16. Payment will be made through an Account payee Bank draft after supply and successful installation and demonstration of equipments at the sites as per directive. Payment will be released from the Office of the Director Research, Rajendra Agricultural University, Pusa, Samastipur, Bihar after receiving the certificate about successful installation and demonstration of the equipment by the respective Centre In-charges.
  17. The firms interested to submit the quotation for the equipments mentioned in the list at Sl. No. 1-6 are required to make a brief **Power Point Presentation** about the technical specification of the equipment quoted and its allied details before a Committee on **27.03.2010** at **11:00 AM in the Seminar Hall of the Department of Soil Science, Rajendra Agricultural University, Pusa, Samastipur – 848125.**
  18. In case of any dispute, the matter shall be referred to the Vice-Chancellor, R.A.U., Pusa (Samastipur) being sole arbitrator, whose decision shall be final and binding on both the parties. All the purchase should be subject to Jurisdiction of Patna High Court only.

Sd/-  
**Chairman**  
**Department of Soil Science,**  
**RAU, Pusa**