

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

No. : 663 /SS, RAU, Pusa

Date: 17 /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 **through Registered Post / Speed Post/ Courier Service** for the supply of **Mobile Soil Testing Laboratory Van (06 No.)** under **National Project on Management of Soil Health and Fertility**

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 Mobile Soil Testing Laboratory Van are required to make a **Power Point Presentation** before a Committee about the technical specifications of the Mobile Soil Testing Laboratory Van 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 27.03.2010. Hand quotation will not be accepted. Power Point Presentation by respective firms shall be on 29.03.2010** at 11:00 AM in the Seminar Hall of the Department of Soil Science, Rajendra Agricultural University, Pusa, Samastipur – 848125 (Bihar).

**Chairman  
Department of Soil Science**

## Details of Mobile Soil Testing Laboratory Van under National Project on Management of Soil Health and Fertility

### A. Specifications of Mobile Soil Testing Laboratory Van

- Any suitable Bus Chassis (Wheels: Front-2, Rear-4, Spare-1) van having 6-8 ton capacity. Procured from original Manufacturer or their authorized dealer.
- Fabrication should be done by approved ISO Certified workshop.
- Fitted with following equipments given below from Sl. No. 1 to 8 on the top of Working Table with cover in shock proof / vibration free design. Sl. No. 9 movable and Sl. No. 10 fitted on suitable space.
- Laboratory area with at least 2 x 3.50 – 4.00 meter or better, height 1.65 meter. Generator room 1.00 x 2.00 meter & driver cabin having additional seat cum sleeper facility for 02 persons.
- Interior wood work as per laboratory standard, top cover furnishing with acid proof sunmica, wooden flooring with PVC matting and a provision for sliding bed.
- Suitable slab & cupboards for glasswares & chemicals & allied items.
- **Additional facility:** Electric control panel & electrical wiring, lighting and extra power points, facility to connect with external power source, safety for short circuiting, collapsible ladder, fire extinguisher, working slab and chairs.
- Genset 7.50 KVA branded (Silent type movable) in special enclosure which can be easily separated from the Van during analysis work as per need.
- Air conditioner-1.5 ton-branded (Genset / Engine driven).
- Water Tank 200 litre capacity.
- Two sink (Stainless steel-1 & Ceramic-1) and space for Acetylene gas cylinder and LPG cylinder.

## B. List of Laboratory Equipments to be fitted in Mobile Soil Testing Laboratory Van

Sl. No.	Equipments and their Specifications	No.
1.	<b>Atomic Absorption Spectrophotometer</b> (PC based, double beam spectrophotometer for estimation of Cu, Fe, Zn, Mn, Mg, and with their Hollow Cathode lamps and complete accessories like acetylene gas cylinders, gas hood etc, and compatible analytical Software).	<b>01</b>
2.	<b>Scanning Visible Spectrophotometer</b> (Micro-Processor/Micro-Controller based Scanning Visible Spectrophotometer, wavelength range: 340-1000 nm approx).	<b>01</b>
3.	<b>Flame Photometer</b> (Micro-Processor /Micro-controller based, with Na, K and Ca filters, printer interface, air compressor and automatic ignition etc.).	<b>01</b>
4.	<b>pH Meter</b> (Micro-Processor/Micro-Controller based, with ATC Probe and combined electrode, 3 point calibration).	<b>01</b>
5.	<b>Conductivity Meter</b> (Micro-Processor/Micro-Controller based, with ATC Probe and Conductivity Cell, Reproducibility: 1 $\mu$ S).	<b>01</b>
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).	<b>01</b>
7.	<b>Electronic Precision Table Top Balance</b> (with glass cover having Weighing capacity: 300 g approx., Readability: 0.001 g)	<b>01</b>
8.	<b>Electronic Analytical Balance</b> (with glass cover having Weighing capacity 120 g approx. and Readability 0.0001 g).	<b>01</b>
9.	<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.	<b>01</b>
10.	<b>Constant Voltage Transformer</b> (Branded, Capacity-3.0 or 5.0 KVA)	<b>01</b>

## Terms and conditions of supply

1. The quotation should be submitted in a sealed cover under two bid system (Technical Bid and Financial Bid) **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 for Mobile Soil Testing Laboratory Van should be quoted **with equipments (Component wise as well as total cost of the system) and without equipments**, separately, **FOR Destination** where these Vans are to be handed over *viz.* ARI, Patna; CH, Noorsarai (Nalanda); BAC, Sabour (Bhagalpur); TCA, Dholi (Muzaffarpur); MBAC, Agwanpur (Saharsa); RAU, Pusa (Samastipur).
3. The rates of Sales Tax/VAT, Registration & Insurance and Road Tax etc. of Mobile Van to be charged should be indicated separately.
4. The supplier should mention their Sales Tax /VAT registration number very clearly.
5. (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.
6. Technical Bid and Financial Bid should be submitted in two separate sealed envelopes. Both the envelopes should then be put into one big envelope and sealed properly superscribing **Quotation for Mobile Soil Testing Laboratory Van under National Project on Management of Soil Health and Fertility, Due on dated 27.03.2010.**
7. Technical bid must consist of the following:
  - (i) Catalogue of Mobile Soil Testing Laboratory Van with details of Make, Model & specifications of the equipments to be fitted in the Van.
  - (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 Mobile Soil Testing Laboratory Van has been supplied.
8. The Manufacturers / Authorised dealers should enclose photocopy of ISO certificate/ their authorized dealership certificate.
9. The rates quoted should be valid for six months from the date of opening of quotations.
10. Minimum on site warranty of the Mobile Soil Testing Laboratory Van including equipments should be **FIVE** years.
11. The number of Mobile Soil Testing Laboratory Van may increase or decrease depending upon the actual requirement.
12. The university reserves all rights to reject/or cancel any or all quotations received without assigning any reason.

13. 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.
14. Payment will be made through an Account payee Bank draft after delivery of Mobile Soil Testing Laboratory Van and successful demonstration of equipments at the sites as per directive. Payment will be released from the Office of the Director Research, RAU, Pusa (Samastipur), Bihar after receiving the certificate about delivery and successful demonstration of the equipments by the respective Centre In-charge.
15. The firms interested to submit the quotation are required to make a **Power Point Presentation** about the technical specification of the Mobile Soil Testing Laboratory Van with equipments quoted and its allied details before a Committee on **29.03.2010** at **11:00 AM in the Seminar Hall of the Department of Soil Science, Rajendra Agricultural University, Pusa (Samastipur)** .
16. 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.

**Chairman**  
**Department of Soil Science,**  
**RAU, Pusa**