



Bidhan Chandra Krishi Viswavidyalaya
Farmers' Service Centre for Soil Testing and fertilizer..
Directorate of Research, Kalyani - 741 235, Nadia, West Bengal
☎ - (033) 9433777855 (M): 2582-8354 (R): Fax: (033) 2582-8460
E-mail: nihar_bckv@rediffmail.com

Dr. Niharendu Saha

**Associate Professor &PI, RIDF project
on "Farmers' Service Centre for Soil
Testing and fertilizer.."**

Ref. No. BCKV/RIDF/FSC/14

Date- 06.01.2020

Notice Inviting Tender

The Principal Investigator, RIDF project "**Farmers' Service Center for Soil Testing and Fertilizer Recommendation-referral laboratory**", Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal is inviting **Sealed quotations** from competent and bonafide manufacturers/ authorized distributors/ dealers/ agents for supply of following scientific equipment/instruments to University as per specifications appended against each item.

(i) Submission of tender: - The tender shall be submitted on line within 14 days of tender notice uploaded in the website. **Technical Quotations may also be submitted separately for each item by sealed envelope mentioning name of the item on top of the envelope to the below-mentioned addresses.**

(ii) Opening of the tender: - The technical bid will be opened by the authority of BCKV duly constituted for this purpose. After scrutinizing, the financial offer/bid of technically qualified vendors will be opened. University shall right to reserve to reject or accept any or all quotations without assigning any reasons.

(iii) Prices: - **The prices of all the equipment and items, including imported ones, should be quoted in net per unit (including all taxes and duties, etc.) in Indian Rupees only.** However, University will provide valid DSIR and authorization certificate to the clearing agent, if required. Quotation must include essential accessories like, regulator, computer, etc. (as mentioned for each equipment) from branded company, in Indian Rupees only. Without essential accessories tender will be considered as

incomplete. **Quoted rates must be FOR DESTINATION (including packing, insurance and delivery charges up to the laboratory at BCKV, Mohanpur) with satisfactory installation and demonstration.**

(iv) EMD: - Vendors are required to pay the requisite amount (in INR) as EMD (**1 % of their rated quote for each item**) in draft as specified against each equipment/goods individually. Only Scan copy of the requisite draft must be attached as the supporting document for each equipment during submission of each quotation for individual items. **Without EMD, quotations will not be considered for technical or financial comparison.** Draft must be in favour of '**Bidhan Chandra Krishi Viswavidyalaya**' payable at Kalyani (IFSC: SBIN0001082).

(v) **Supporting documents:-**

(a) Bid papers should accompany authorization certificate from original manufacturer, trade license, GST registration, etc;

(b) Scan copy (self attested) of the original supporting document in favour of the specification-claim for each item must have to be submitted separately;

ADDRESS FOR QUOTATION SUBMISSION

Dr. Niharendu. Saha, Associate Professor

Principal Investigator, RIDF project

Department of Agricultural Chemistry and Soil Science,

Bidhan Chandra Krishi Viswavidyalaya, Mohanpur-741252

Email: nihar_bckv@rediffmail.com

Mobile: 09433777855

List of Scientific Equipment with specifications:

- FSC/14/01 : **Rotary shaker**
- FSC/14/02 : **Desktop computer**
- FSC/14/03 : **Printer– copier and scanner (All in one)**
- FSC/14/04 : **Digital single-lens reflex (DSLR) Camera**
- FSC/14/05 : **Muffle furnace with silica crucible**
- FSC/14/06 : **Vertical Autoclave**
- FSC/14/07 : **Mixer Grinder**
- FSC/14/08 : **Soil auger sampler**

Equipment with detailed specifications

Sl. No	Items	Specifications	Quantity
01	Rotary shaker	<p>Variable speed from 20 RPM to 300 RPM. Timer: 1-59 min/0-99 hrs with power autocut system.</p> <p>Universal Platform to accommodate interchangeable clamps of assorted sizes for different capacity of flasks.</p> <p>Digital display of speed with presetting facility.</p> <p>Platform Size: 36" x 36",</p> <p>Volume Range: 30-40 litre</p> <p>No. of clamps : minimum 50 capacity for 250 ml flask</p> <p>Automatic restart at preset speed in case of power failure.</p> <p>Supply. 220-240 Volts. 50 Hz. Single phases.</p> <p>With supply of 35 numbers of clamps for 250 ml flask and 15 numbers of clamps for 500 ml flask in fitting mode.</p>	1
02	Desktop computer	<p>Display Size: 21.5 inch or more, Operating system: Windows 10 Home Original windows, Processor model: Intel® Core™ i5-4130 with Intel HD Graphics inbuilt (3.4 GHz, 3 MB cache, 2 cores), DDR4 SDRAM (1 x 4 GB) 1 TB HDD, LED Monitor with APC 600VA UPS Window 7 or higher, Ports: 2 USB 3.0; 4 USB 2.0; 2 PS/2 (keyboard and mouse), DVD Writer. Each computer unit should be included with one number of 1 TB capacity external hard disc.</p> <ul style="list-style-type: none"> • Warranty : standard Warranty of 1 year including another AMC of 1 year 	3
03	Printer–copier and scanner (All in one)	<ul style="list-style-type: none"> • All in one Functions: Print, copy, scan in one mechine. • Used for AirPrint™; USB; Wireless direct printing. • With preinstalled Black Original Imaging Drum. • Print speed, black: 21 – 30 • Product type : Laser printers • Family brand: Laserjet • printer specifications: Up to 20,000 pages (monthly), Automatic paper sensor : yes • Top key features : Scan to PDF • Processor speed : 500 MHz • Scan Resolution, Hardware and Optical: Up to 600 ppi • Print quality black (normal): Up to 600 x 600 x 2 dpi • Print resolution black (fine lines) : Up to 600 x 600 dpi • copier specifications: Up to 99 copies • Copy reduce / enlarge settings: 25 to 400% • Copier settings: Number of Copies; Lighter/Darker; Optimize; Paper • With all necessary software for functioning must be included. • Warranty : standard Warranty of 1 year including another AMC of 1 year 	

04	Digital single-lens reflex (DSLR) Camera	<ul style="list-style-type: none"> • Sensor: APS-C CMOS Sensor with 24.2 MP or more resolution (high resolution for large prints and image cropping) • with both AF-P 18-55 mm + AF-P 70-300 mm VR Kit Lens • ISO: 100-25600 sensitivity range (critical for obtaining grain-free pictures, especially in low light) • Image Processor: Expeed 4 with 39 autofocus points (important for speed and accuracy of autofocus and burst photography) • Video Resolution: Full HD video with fully manual control and selectable frame rates (great for precision and high-quality video work) • Connectivity: WiFi, NFC and Bluetooth built-in (useful for remotely controlling your camera and transferring pictures wirelessly as you shoot) <p>with Camera Bag, 16GB Memory Card and lens hood</p>	1
05	Muffle furnace with silica crucible	<p>Temperature Accuracy: $\pm 2^{\circ}\text{C}$ or better Temperature Control: Through microprocessor based PID controller with minimum 30 steps Furnace Insulation: Ceramic wool Temperature settings & Display: Digital and double display Power source: 220 V, 50Hz single phase Out body and inner body: Stainless Steel Accessories required: Control voltage 220-250$^{\circ}\text{C}$, Temperature Range : upto 1200 degree celcius Stabilizer : standard quality Certification : ISO/CE/GMP Dimension (Inches): 12 x 12 x 12 or with a space for accommodating minimum 30 numbers of 50 ml capacity crucibles. Along with Silica crucible with lid: (50 ml size): 40 numbers.</p>	1
06	Vertical Autoclave	<p>Triple walled chamber for non - wet autoclaving, Digital display of front panel lid opening/closing, steam exhaust and water level, Chamber capacity of approx. 90 liters or more with very effective dimension of 350 x 550 mm or more, Operating temperature range: Sterilizing - 105 – 135 $^{\circ}\text{C}$, Heating – 45 – 104 $^{\circ}\text{C}$, Warming - 45$^{\circ}\text{C}$ - 95$^{\circ}\text{C}$, Pressure fine adjustment function for balance between temperature and pressure deviation, Power consumption: About 3 KW or below, Operating pressure: Display range 0 – 30 lb, Digital Time & Temperature display, Chamber material : outer and inner S.S, All the area like Chamber lid handle, Safety Devices: Water level sensor, Current leakage breaker, Lid interlock, Safety Valve, Stainless steel perforated basket , Front display panel should have visual and audible alarm indicator for lid, exhaust and low water indicator, Suitable stabilizer, ISO and CE compliant certificate copy to be enclosed, Optional accessories, External temperature probe, Durham's tubes rack, Stainless basket without holes, Stainless long basket, Warranty and AMC: 3 years or more</p>	01

07	Mixer Grinder	Material: Stainless Steel Power consumption:750 W Speed settings:3 Leafy Vegetable Grinding, Dry Grinding & Wet Grinding	01
08	Soil auger sampler	the sampler is made of stainless steel, without pollution to sample 2, Pedal type, more convenient, fast, reduce the labor intensity Total length: 1 m a) Spiral auger 40 b) Edelman sand type auger 70 40	2 nos each