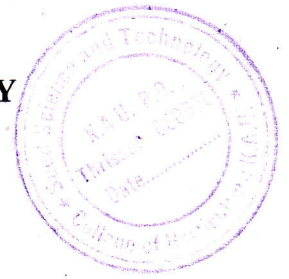


**KERALA AGRICULTURAL UNIVERSITY
DEPARTMENT OF SEED SCIENCE AND TECHNOLOGY
COLLEGE OF HORTICULTURE
Vellanikkara – 680 656, THRISSUR**



Quotation Notice

No. STU/Proj/F22 (Biodiversity)/ 2017-18 (i)

18/03/2020

Sealed quotations are invited for supply of '**Laboratory equipments**', as per the specifications detailed in the Table enclosed. Separate quotations may be submitted for the items dealt by your firm citing the Item No. for which the quote is submitted.


The exact specifications, details of make, model number, name of manufacturer etc., of the equipment offered must be clearly specified. Copies of detailed technical literature and illustrated brochures of the units quoted are to be included along with the offer. Instrument operating manuals have to be provided along with the supply. Warranty for the Equipments or parts thereof are to be specified.

Delivery of the article should be made at the free of cost within 5 days from the receipt of Supply order to Department of Seed Science and Technology, College of Horticulture, Vellanikkara, Thrissur drawn on the State Bank of India, KAU campus, Vellanikkara.

The rate quoted should be inclusive of taxes applicable and the delivery and installation charges. Further information can be had from the Department of Seed Science and Technology, College of Horticulture, Vellanikkara, Thrissur, Kerala - 680 656, during office hours (9447792341).

Sealed Cover containing quotations should be marked '**Quotation for Laboratory equipments; Item No.: _____**' and addressed to Professor and Head, Department of Seed Science and Technology, College of Horticulture, Kerala Agricultural University P.O., Vellanikkara, Thrissur 680 656 and should reach the undersigned on or before **24/03/2020, 11.00 am.**

The received quotations will be opened at **3.00 pm on 24/03/2020** in the presence of those quotationers or their authorized agents present. Payment will be made only after verification of the equipment supplied, in quality and quantity. All the rules and regulations pertaining to Kerala Agricultural University/ Govt. quotations will be applicable in this case also. The undersigned will have all the rights to accept or reject any/all quotations without assigning any reason.


**PROFESSOR & HEAD
DEPARTMENT OF SEED SCIENCE & TECHNOLOGY
COLLEGE OF HORTICULTURE
KAU, VELLANIKKARA, THRISSUR - 680 656**

Copy to:

Notice board, Department of Seed Science and Technology, COH, Vellanikkara
Notice board, College of Horticulture, Vellanikkara
Project file: STU/Proj/F22 (Biodiversity)/ 2017-18
www.kau.in

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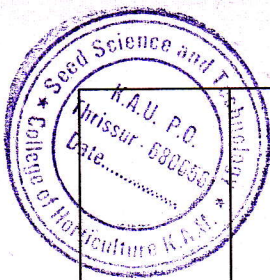


Laboratory equipments and specifications

Item. No.	Equipment
1	<p>Vacuum packing machine Sealing length: 400 mm x 10 mm (Minimum) Vacuum: 1kpa (Minimum) Capacity: 2 - 4 Times/min (Minimum) Vacuum Pump: 0.75kw (Minimum) –Make and model to be specified Cycle Time: 15-40 Sec. (Maximum) or specify Sealing power: 0.8kw (Minimum) Number of Heat Strips : 2nos (Minimum) Material: Stainless steel body (SS 304; 16 gauge preferable) Make/ type of Switch-Gear, Limit Switch, Pneumatics, Vacuum Chamber size, material of Vacuum case, dimensions (L W x H) and total weight of machine, Power connectivity requirements (Volts, Hz and Phase) to be specified</p>
2	<p>-20⁰C Deep Freezer Microprocessor based controller hermetically sealed double walled Vertical freezer of 300 liters (minimum) capacity with built in digital temperature indicator cum controller having provision for audio visual alarm and automatic defrost preferable Minimum temperature: -20 ⁰C to -25⁰C (minimum) Refrigerant: CFC Free Rs 485 Port for data output (optional) Inner and outer chamber made of stainless steel preferable/ specify the material of Inner and outer chamber body Dimensions (L W x H) of inner and outer chamber, thickness of the insulation, number of doors, number of racks provided, total weight of machine and Power connectivity requirements (Volts, Hz and Phase) to be specified Separate quote for optional accessory: Recommended stabilizer to be mentioned</p>
3	<p>Powerpac for Electrophoresis unit Programmable fully adjustable basic power pack unit with provision for Pause/resume run function (auto power-up after power failure) and LED display Type of output: Constant voltage, constant current with automatic crossover Output terminals: 4 pair (Minimum) in parallel</p>



<p>Timer: 1-999 min, fully adjustable preferable Operating conditions: 0-40°C; 0-95% humidity in the absence of condensation Out range, Safety compliance, Safety features, Input protection, Emissions and Immunity class conformation, Dimensions (L x W x H) total weight of machine and Power connectivity requirements (Volts, Hz and Phase) to be specified.</p>	
<p>LCD projector WIFI enabled LCD projector with DLP projector system Brightness: 3600 lumen Resolution : 1024 x 768 (minimum) Aspect Ratio: 4: 3 Contrast Ratio: 15000 : 1 (minimum) Connectivity: HDMI, VGA, Video, USB type A, USB type B Speaker Lamp and site warranty to be specified separately Accessories (to be quoted separately) Wall mount projection screen : 5 ft x 7 ft with tripod/ insta-lock (to be specified separately) Ceiling mount kit (4') with cable- HDMI and VGA (Make to be specified) for power & data Wireless presenter</p>	<p>4</p>
<p>Computer Desktop unit with an 18.5 inch monitor, Wired keyboard and Mouse. Core i3-9100, Win 10 + MS Office (Home and Student), 8GB/1 TB hard disk</p>	<p>5</p>
<p>GPS monitor Portable unit with Barometric altimeter, Electronic compass, High- sensitivity receiver and USB Interface Minimum display size: 1.4" (W) x 1.7"(H) (3.5 x 4.4 cm); 2.2" diag (5.6 cm) Minimum display resolution: 240 x 320 pixels Display type - 2.2" transfective, 65K color TFT Dimensions, weight of the module, Battery type and battery life to be specified</p>	<p>6</p>
<p>Micrometry camera Camera with weather sealed body with built-in GPS and built-in Wireless and provision for Sensor-shift Image Stabilization, 12MP - 1/2.3" BSI-CMOS Sensor 25-100 mm F2.0-4.9 Zoom Lens 3" Fixed Type Screen 20.0 fps continuous shooting</p>	<p>7</p>



	<p>4K - 3840 x 2160 video resolution 253g. 113 x 66 x 32 mm Details of provision of safety features such as shock proofing / water proofing etc, dimensions, total weight and Power connectivity requirements (Volts, Hz and Phase) for re-charging facility to be specified.</p>
8	<p>Weed Cutter Light weight, back pack brush cutter with flexible shaft and 2-stroke air-cooled engine Cubic capacity/RPM: 52/7000 Carburetor: Diaphragm type Fuel tank capacity: 1 Liter (Minimum) Weight of the unit to be specified Accessories required: Tilling blade, weeding blade, 2 way blade, trimmer head Gumboots and Flexi glass face and eye protection mask (Optional)</p>

Harsha
Professor and Head
Department of Seed Science and Technology
College of Horticulture, Vellanikkara