

LIST OF EQUIPMENT/MACHINERY FOR M.SC FOOD AND NUTRITION LAB

On behalf of the Registrar, The Gandhigram Rural Institute - Deemed to be University, Gandhigram, The Department of Home Science inviting competitive quotation for the purchase of the of the following items with prescribed specifications for the use of Food Science and Nutrition Laboratories in the Department of Home Science.

General Equipements

S.No	ITEMS	Items Descriptions	Specifications
1	AIR- CONDITIONER SPLIT AC	LG/SAMSUNG/ Blue Star	Type: Split AC Capacity:2 Ton / 1.5 Ton Inverter: Included Warranty:1year
2.	LCD PROJECTOR	SONY	Model: Sony VPL-DX140 Type: XGA (1024*768) Color Brightness: 3200 Lumens Contrast Ratio: 2500:1 Aspect Ratio: 4:3
3.	COMPUTERS	Desktop	Desktop Computer Intel Core is 8 th Gen Processor 8GB Ram 120 GB SSD HDD 1TB Hard disk 19.5" LED Monitor Keyboard & Mouse + vvifi card Windows 10 pro
5.	PRINTER	HP / Canon	Printer single Function Canon 6230 do printer Printer, Auto duplex Printer All-in-one HP 1005 MFPc(or) Canon Multifunction Laser jet
6.	PORTABLE PA ACTIVE SPEAKERS	Portable Public Addressing System	25W (max) power output. MP3 playback and recording facility. Wireless receiver. Wireless transmitter Two microphone inputs and an Aux input

FSN Equipements

S.NO	Instrument	Quantity	Specifications
1.	Spray drier	1	Must contain Spray Cylinder, Drying Chamber, Cyclon Separator, Scrubber pot, Collection bottle and a Collection Chamber, Spray co-current with auto deblocking device and variable nozzle apertures of 0.5,1.0 and 1.5 mm, inlet air filter and an outlet filter With 2m exhaust tube, Power

			<p>230V/50Hz with Drying temperature >200°C drying capacity 1L/hr and compressed air flow 2-5 bar with Suitable air compressor.</p> <p>The unit equipped with PC along with software to control the operation, provision for data storage and analysis. It can operate either PC mode or human interface mode.</p> <p>Provide 1 set of spare of Drying Chamber, Cyclon Scrubber, Collection Pot, feeding tube, co-current nozzle, gasket and rings for glassware</p> <p>Warranty: Minimum 2 years with AMC, transportation, delivery and installation expenses borne by the company.</p>
2.	Mini grinding mill	1	<p>Model: Mini 9H, Drive: Manual, Output: 15-30kg, Dimensions: w-240, h-350, Shipping Specification (m³-kg)=0.02-13</p>
3.	Extruder single screw	1	<p>Table top, Hopper capacity: 1-2kg, stainless steel, 1/2 HP capacity, 1 phase, 1 year warranty</p>
4.	Double Distillation unit	1	<p>It should be All Quartz double distillation unit. Demountable Boiler Panel Series. Model – Vertical. Distilled Water Output Capacity – 2.5 Litres / Hours. Distillate water quality specifications. It should be free from pyrogen and organic matter. Conductivity <1x10⁻⁶ S/cm Total Organic Carbon <500µg/l. Total Solids <0.1mg/lit</p> <p>Accessories for Double Distillation Unit Distillation Apparatus power supply (DAPS) for 2.5ltrs model Low temperature circulating water bath (Chiller) Working Temperature : -10°C to 100°C Temperature Accuracy: ±01°C Bath Volume : Minimum 5 litre capacity External water Circulation for continuous operation. User Manual should be provided along with the equipment Warranty: One year at the minimum from the date of successful installation.</p>
5.	Rapid Visco Analyser	1	<p>Temperature range between 0 to 99C Temperature accuracy minimum 0.2 - 20 C Speed accuracy +/- for S2000 oil nom .5000cp Heating/ cooling rate: minimum upto 14c / min</p>
6.	Stadio meter	2	<p>Measuring Range: 20-205cm Graduation: 1mm Packing size 25.75x 14.25x4.75 inch</p>

7.	Digital Weighing Balance	2	Weighing Capacity(kg): 50kg,100kg,200kg Power Source: Battery, Electric
8.	Fibroplus	1	Analysis of crude fibre

Terms and Conditions

1. The rate should clearly indicate the unit/Nos.
2. The rate should specify whether it includes duties and taxes and also packing and forwarding charges.
3. The period up to which the materials/ equipment's are guaranteed should be specified. The amount chargeable as Annual Maintenance Charges (AMC) after the guarantee/ warranty period should be indicated separately.
4. Necessary training on handling and maintenance of the particular equipment/machinery should be provided to University staff at least for 3 days on free of cost
5. The nearest service point should also be indicated to the offer
6. The offer should be as far as possible from ready stock
7. Where the offer is not from ready stock, the period before which supply will be effected should be indicated
8. The mode of payment should be specified
9. TIN/PIN/GST number should be indicated. The price quoted should be inclusive of taxes, freight charges, erection and commissioning charges etc.
10. Payment will be made after receipt of materials and duly certified by the officers, concerned.
11. Validity of the offer should be normally before 30 days from the date of the offer. Otherwise, the period should be specifically mentioned in the offer
12. Quotation should be **addressed to The Registrar, The Gandhigram Rural Institute – Deemed to be University, Gandhigram - 624302.**
13. The hard copies of the Quotations and product categories/brouchers should be sent in a sealed envelope superscripted "**Competitive Quotation for the Purchase of Equipment's for the Department of Home Science to:**

Envelope Postal Address

**The Head
Department of Home Science,
The Gandhigram Rural Institute - Deemed to be University,
Gandhigram,
Dindigul - 624302, Tamil Nadu.**

Quotations will be received up to 4.00 PM on or before 19th March, 2019