

KERALA AGRICULTURAL UNIVERSITY

DPT/6.6/79/2020

Department of Post Harvest Technology
College of Agriculture
Vellayni. Dated 25.01.2020

TENDER NOTICE

Sealed competitive tenders are invited for the supply of following equipments and installation of cold room (specification attached).

Sl. No.	Name of equipment	Qty.	Specification	Tender Cost
1	Digital UV-VIS Spectrophotometer	1	Specification attached	(0.2%) of the quoted amount rounded the nearest multiple of Rs.100/- subjected to a minimum of Rs.400/- and maximum of Rs.1500/- +GST @18% extra.
2	Water activity meter with battery and redox filter	1		
3	Fruit pulper	1		
4	Continuous induction sealer	1		
5	Supply, erection, testing and commissioning of a cold room	1		

Tender forms can be down loaded from the KAU Website (www.kau.edu/tenders). On submitting the tender form, cost of the tender form as mentioned above may be drawn by DD in favour of Associate Director of Research, RARS(SZ), College of Agriculture, Vellayani 695522 payable at SBI, Vellayani, Trivandrum should be enclosed.

EMD @ 1% of the quoted amount should be enclosed as separate DD drawn at the same address along with an agreement executed in Kerala Stamp paper worth Rs.200/- with the tender. **The name of the equipment for which the rate is quoted, notification number and date of opening of tender should be written on top of the envelope.** Sealed tenders addressed to the Associate Director of Research, RARS (SZ), College of Agriculture, Vellayani, T.V.P.M-695522 should reach this office on or before 1.00 p.m. on 10.02.2020. Tenders received after the stipulated date and time will not be accepted under any circumstances. Tenders will be opened at 2.00 p.m. on 11.02.2020 in the presence of the tenderers or their authorized representatives.

All the terms and conditions prescribed for Govt. tenders as amended from time to time are applicable in this case also. The undersigned has the right to accept or reject any or all tenders without assigning any reason thereof.

Further details can be had from the office of RARS (SZ), College of Agriculture, Vellayani 695522 during office hours between 10.00 A.M. and 5.00 P.M. in Ph.No.9447281300 and also through KAU website (www.kau.edu/tenders).

Sd
Professor & Head (PI of the project)

To
Website (www.kau.edu/tenders)

Copy to: Notice Boards

Terms & Conditions:

1. The price for each item should be shown separately.
2. The rate quoted should be inclusive of all charges (tax, installation and freight charges) and these should be separately stated.
3. Rate quoted should be valid for a minimum period of 180 days from the date of opening the tender.
4. Tenders insisting payment in advance either in full or part are liable for rejection.
3. Warranty/ Guarantee details, firmness of the quoted price etc should be clearly stated.
4. Leaflets or brochures containing technical features (operation manual) of the models quoted should be attached with the tender.
5. Payment will be made only after satisfactory installation and demonstration of working of the equipment. Tenderer is liable to replace the defective articles/ rectify the defective item of work within 24 hours on receipt of intimation.
6. The supplier should attach the client list for the equipments along with their performance certificate, spare parts availability and service facilities at or nearest to the concerned station.
7. If any Hartal/strike/ any unexpected holiday occurs on the date of opening of tender, the tender will be opened on the next working day.
9. Equipments should be delivered and installed within 2 weeks from the date of receipt of the purchase order..
9. Item should be delivered and installed at the expenses of the tenderer and any packing, forwarding, loading, unloading, handling or installation charges are to be met by the tenderer.

SPECIFICATIONS

Digital UV- VIS Spectrophotometer:

Manual single beam with wavelength range- 200-1000nm and absorbance range 0-2.000. Wavelength accuracy \pm 0.5nm, Spectral bandwidth- 2nm (should be constant throughout the spectral range), Solid state silicon photodiode detector, Measuring mode- Abs, %T and Conc., Grating-Holographic plane grating 1200 lines/mm, Display- 4 digit LED display for wavelength and data, Built in filter wheel with 4 filters, Manual Sample holder, 4-position sample changer for 4ml/10mm quartz, cuvettes. 2 matched 10mm path length cuvettes, Light source- Tungsten halogen lamp Deuterium lamp, Photometric resolution- 0.1% T and 0.001 Abs., Power- 230V \pm 10% power, 50Hz.

Water activity meter with battery and redox filter:

Measuring Principle: Resistive – electrolytic, Measuring Range: 0.11 to 0.90 aW. Accuracy: \pm 0.010 aW, \pm 0.15 K, Resolution: 0.001 aW, \pm 0.1C, Mains Supply: 5 VDC \pm 6% max. power requirement: 4 W, Lithium ion battery 1700mAh with protection control & "auto load", Power Supply: 90 - 264 VAC, 50/60 Hz, output \rightarrow 5 VDC, Communication: SD card interface type: SD / SDHC data system: FAT - 16 / FAT – 32, Protection class: IP 30, Measuring chamber: Volume 21.1 ml / standardised sample dishes, Battery incl. electronics (built in) SD card, 3 SAL-T: 11, 58, 84% RH, 40 disposable sample dishes ePW, Redox Filter - to protect against all kinds of primary & secondary alcohols.

Fruit pulper:

Should be capable of extracting the pulp of different types of fruits and vegetables. Should be mounted on a heavy duty stainless steel stand. The pulping unit should contain sieve with perforations of different sizes and easily removable for quick interchanging and cleaning. All contact parts should conform to AISI 304 quality stainless steel.

Connected power: 1 Hp Single Phase

Capacity: 100 Kg per hour

Continuous induction sealer:

Power- 2KW @ 240 V, 50 Hz, Conveyer speed 0-12 meters/ min. Bottle diameter- 50-130mm and Bottle height: 40-300mm, Dimensions (mm): 1550 x 580 x 1430, Sealing speed up to 20 bottles per minute.

Supply, erection, testing and commissioning of a cold room:

Cold room with an external dimension of 2.1m x 2.4m x 2.4m and temperature of 2-15⁰C, Product incoming temperature- Approx. 25-30⁰C, Incoming load per day: 100-150 kg, Pull down time- 12 hrs, Refrigeration system of standard make Insulation – prefab modular PUF panels (60mm PUF with 40Kg/m³) with serration with CAM lock and corner panel, Lamination of panel for wall and ceiling- SS 304 inside and PP outside, Floor insulation- 60 mm PUF slabs with 6 mm marine plywood and 1.2 mm Aluminium chaqured sheet. Flush type self-closing swing door with SS 304 inside and PP outside lamination. 60 mm thick. 34’’x 78’’ clear opening, Total refrigeration capacity- 6000BTU /hr @8⁰C room temp. & 38⁰C ambient. Power supply requirement- 230 V/1HP/50Hz, Internal lighting- weather proof LED, Accessories- anti condensation door heater, pad lock, Posi seal closure, human safety release knob, *SS 304 A grade Racks to be fitted-* 1100 × 450 × 1650mm with 4 shelves- 4 nos. 1000 ×450×1650 mm with 4 shelves- 1 no.