



KERALA UNIVERSITY OF FISHERIES & OCEAN STUDIES
കേരള ഫിഷറീസ്-സമുദ്രപഠന സർവ്വകലാശാല

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GA7/681/2023
02.2023

Panangad dated

e- TENDER NOTICE

E- tenders are invited for the Supply of **Vertical Deep Freezer -86⁰C** for PMMSY Aquatic Referral Lab, KUFOS, Panangad.

The Tender should be submitted as e- tender in the e- procurement portal of Kerala Government with detailed specification, Tender fee of Rs.1100/- and EMD of Rs.5,500/-, by means of e- Payment. The GST amount of the tender fee @18% should be remitted to the GST department directly by the bidder. More details will be available in the Office of Dr. Devika Pillai, PI, PMMSY Project on Referral Lab, KUFOS Panangad, on all working days with the permission of undersigned. As per DSIR registration, necessary exemption can be availed for customs & excise duties for the purchase. Our GST Regn. No. is: 32AAAGK0031Q1ZL

All the terms and conditions applicable to University/Government quotations/Tenders are applicable to this Tender also. Right to accept the Tender in full or in part or to reject without assigning any reason is reserved to the undersigned.

REGISTRAR

To : Firms/ Programmer to publish on the website
 Copy to: Dean FFS/ Dr. Devika Pillai, PI, PMMSY Project through Dean FFS

Vertical Deep Freezer -86 °c - Specifications

- Should have a adjustable temperature set-point between -40⁰C ~ -86⁰C and the ability to monitor temperature curves in real time, equipped with sophisticated temperature safety alarm system to ensure product safety.
- System should be direct cooling type
- Microprocessor controlled system.
- Capacity 575-590Litre.
- 10-inch high-performance LCD capacitive screen should be provided.
- Control panel should show intuitive display of inside temperature, ambient temperature, input voltage and other data and temperature curves.
- System should have minimum 3 No. of Inner Shelves&2 Nos. of inner Doors
- Adjustable Storage Shelf Height.
- Freezer should have single version of the inventory management as standard that allows users





who do not have a racking system within the freezer to easily record item locations, entry and exit records.

- HC- Free refrigerant.
- Noise level less than 47dB, for quiet operation.
- Power consumption should be below 9 Kwh/day
- Electrical Current should be 5 A or less.
- Holdover time at 25°C ambient (From -80°C pull down-50°C): 200 mins.
- Lockable handle with unique key & padlock for extra security.
- Alarms for Systems Malfunctions - over and under temperature, clean filter, remote alarm, hot condenser, power failure, Sensor Error, Low battery, high ambient temperature & Door Ajar.
- Multiple built-in system protection features including user-settable protection code for controls, user settable delay to start, voltage compensation system, and protection against extreme high voltages.
- Automatic clean-filter alarm and sensor error alert
- Tool-free removable filter, making it easy and quick to clean the filter
- Triple layer of gaskets for reducing the heat loss and warm up times in the event of power failure.
- Tool-free detachable inner door, ensuring easy and quick defrost
- Pressure equalisation port for preventing the icing on the vent.
- The system should have optional IoT APP can monitor the operating status of the equipment anytime and anywhere. The unit is equipped with self-diagnose system faults and alarm functions, ensuring sample safety.
- Multiple Options for Safe Management such as, Password lock as standard with optional fingerprint module, face recognition and punch card system. Multi-person management control option to ensure safe and secure storage.
- Should have Two portholes as standard, allows for independent testing of cabinet temperature
- System should have Standard USB interface, capable of storing data for 10 years
- Should have standard remote alarm terminal and RS485 port.
- Power Supply: 220-240V/50Hz
- Item should be CE Certified.
- Minimum 3 years warranty from the date of installation of the equipment.
- Quantity - 1no.

