



Document 2023/101/3901 - GENERAL(modified version of 2023/3835/101) - File No. 2023/101/1103 Approved by Registrar on 14/02/2023 16:18:05

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KUFOS HQRS,Panangad, Ernakulam



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

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GA7/1103/2023

Panangad dated 02.2023

e- TENDER NOTICE

E- tenders are invited for the Supply of **CO₂ Incubator** 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.1360/- and EMD of Rs.6,800/-, 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

CO₂ Incubator- Specification

- The internal capacity 80 or more.
- CO2 Incubator - Air Jacket type.
- Interior Chamber made of Stainless Steel
- Microprocessor controlled with 7 " LCD Screen
- The system should have minimum 3 Safe anti-slip design of pull out shelves.
- Temperature range - Ambient plus 3°C to 55°C .
- System should have a temperature control of ±0.1°C & temperature Uniformity of ±0.3 at 37°C
- System temperature sensor should be PT1000
- The temperature recovery rate should be 4 min or less after 30 second door opening and closing event to attain 37°C.



- CO2 range - 0-20%.
- System should have a CO2 control of $\pm 0.1\%$ and alarm range of $\pm 0.5\%$
- Sensor used for CO2 detection - Infra-Red (IR)
- The CO2 recovery rate should be 4 min or less after door opening and closing event to attain 5% CO2
- Operational gas pressure range - 12-17Psi (0.8-1.2 Bar)
- CO2 Inlet Filter $< 0.2 \mu\text{m}$
- Sterilization Cycle temperature 180°C on all Internal Surfaces
- Sterilization Cycle duration under 12 Hours.
- The system should have Relative Humidity of $37^{\circ}\text{C} \geq 90\%$ and should have Humidity Reservoir in between Max.3L/Min 0.5L
- System should have alarm for High/Low Temperature, Remote Alarm, Excessive CO2 Concentration, Water Shortage, Door Ajar.
- The system should have Hepa Filter, Pressure Reducing Valve, RS485, 4-20mA & The Cylinder Switch.
- The system should be CE certified.
- One CO2 cylinder with 30 KG Capacity should provided with incubator
- Double stage regulator should be included
- Warranty 3 year for the entire equipment.