



KERALA UNIVERSITY OF FISHERIES & OCEAN STUDIES  
കേരള ഫിഷറീസ്-സമുദ്രപഠന സർവ്വകലാശാല  
PANANGAD P.O., KOCHI 682 506, KERALA, INDIA

FACULTY OF FISHERIES SCIENCE

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No. KUFOS/DN3/893/2021

Panangad, Dated: 09.11.2021

**Re-QUOTATION NOTICE**

Quotation Notice No: KUFOS/DN3/0893/2021

Dated: 02.07.2021

Sealed quotations are invited for the supply of UPS for the installation of FTIR for the Department of Fish Processing Technology, KUFOS, Panangad as per the specifications given below:

Technical Specification	
1KVA/36 V True Online UPS 1- Ø Input / 1- Ø Output	
PARAMETERS	VALUES
Technology	Double conversion Online with the latest MPWM technology using IGBT.
Rating	1 KVA
DC BUS	36 V
Nominal Input	230 ± 10% V AC 1-Ø + N
Input Frequency	50 Hz ± 8%
Input Power Factor	>0.9 on Full Load with THDi <5%
Converter Protection	Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses
Inverter Type	IGBT based MPWM with instantaneous Sinewave Control
Power Factor	>0.9 Lag
Nominal Voltage	230 V 1-Ø
Regulation	(±) 1%
Frequency	50 Hz ± 0.1 Hz
Waveform	TRUE SINEWAVE
Mode Of Operation	Designed for continuous operation
Isolation	True Online with inbuilt isolation transformer.
Inverter Protection	Advanced Electronic Protection for device safety, backed up with MCB's/ MCCBs & fast acting fuses, high speed pulse by pulse electronic device protection over voltage / under voltage protection, Electronic over current trip with reset.
Manual Bypass	SHOULD BE PROVIDED
Static Bypass	SHOULD BE PROVIDED
Alarms	Input Low / Fail, Output Overload, Over Temperature, Battery Low.
LED Indications	Mains ON, Charger ON, Inverter On, Battery Low, Overload, Inverter Trip.
LCD Display	Input Voltage, Output Voltage, Load Percentage, Output current, Output Frequency, Battery Voltage.



Input/output MCB	Protects the input from very large current caused by short circuit or a damaged internal component and avoids further damage to the equipment.
Input Under Voltage/Over Voltage	Prevents damage of components in the input sensing & the converter devices
Output Under Voltage	Protects the load and its components from premature failure.
Rectifier Over Voltage	Prevents damage to the inverter & the charger components
Over Temperature	premature failure
Battery Low Protection	Should be provided
Overload Protection	Protects the Inverter components against premature failure / Protects against false tripping & complete shutdown in case of surge power drawn by the load (non linear loads)
Battery	Voltage:12 V ,Type: SMF, AH: 100 AH,Quantity: 3 Nos, Make: Amaron qunta,HBL,Exide (To be supplied with battery rack and interconnecting cables)
Warranty	2 years for UPS & Batteries

The rate quoted should be for the supply and installation of UPS for the installation of FTIR for the Department of Fish Processing Technology , KUFOS, Panangad.

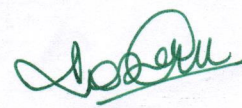
The envelope containing the quotation should bear the superscription **“Quotation for the supply of UPS for the installation of FTIR for the Department of Fish Processing Technology, KUFOS, Panangad [KUFOS/DN3/0893/2021]”** and should be addressed to the Dean Fisheries Science , Kerala University of Fisheries and Ocean Studies, Panangad,Kochi – 682 506, Ernakulam District. Intending quotationers may submit their quotations on their own papers with detailed specification.

The rate quoted should be firm and inclusive of all taxes. Period of firmness during which the rates would be firm is 60 days from the date of supply orders.

Late quotations will not be accepted. The Quotations will be opened in the presence of the quotationers or their authorized representative who may be present at the time of opening of the quotations. More detail will be available in the office of Dr. Radhika Rajasree, Head, Dept. of FPT on all working days with the permission of undersigned.

<b>Last date and time for receipt of quotation</b>	<b>18/11/2021, 03:00 pm</b>
<b>Date and time of opening of quotation</b>	<b>18/11/2021, 03:30 pm</b>

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

  
Dean

To: Firms ,KUFOS website

Copy to: Dr. Radhika Rajasree , Professor & Head, Dept. of FPT