



Department of Biochemistry
University of Kerala
Kariavattom Campus
Thiruvananthapuram
Kerala INDIA 695 581

BCH/VV/Electrophysiology2AC/ 2024-25 (R)

Date: 14-11-2024

RE-TENDER

Sealed competitive quotations are invited from reputed firms for the supply of one inverter air conditioner (1.5 ton) for installation in the 2nd floor of Main Building (BCH47), Department of Biochemistry, Kariavattom campus.

The specifications for the AC is attached below. The air conditioner should be energy efficient and should have BEE five star ratings, operating on R32 refrigerants with copper condenser and evaporator coils. The AC should have 2 year machine warranty and 10 year compressor warranty. **Stand and stabilizer should be provided.**

The warranty details, GST amount, Make of AC, Make of stabilizer needs to clearly mentioned in the quotation.

Separate technical and financial bids with compliance sheet shall be addressed in the Name of Dr. Viji Vijayan, Assistant Professor, Department of Biochemistry, University of Kerala.

The envelope should have superscribed "Setting up of Electrophysiology Lab". The quotations should reach the office no later than 26 Nov 2024, 11 am. Quotations will be opened at 12 pm on 27 Nov 2024 in the presence of suppliers.

Sd/-

Dr. Viji Vijayan

Specification	Requirement
BEE STAR RATING	LATEST 5 STAR
ISEER	MINIMUM 5
TONNAGE	1.5 TON (1 Ton =12000 Btu/Hr +/- 10%)
TECHNOLOGY	INVERTER
CONDENSOR COIL	COPPER TUBES WITH ALUMINIUM FINNS WITH ANTI CORROSIVE COATING
EVAPORATOR COIL	COPPER TUBES WITH ALUMINIUM FINNS WITH ANTI CORROSIVE COATING
MACHINE TYPE	HI WALL SPLIT
REFRIGERANT TYPE	R32/Equivalent or CFC Free
POWER SUPPLY	230V/50hz/Single Phase
OPERATING VOLTAGE RANGE	110 V - 285 V AC
POWER CABLE	4 Core - 3 meter
REFRIGERANT PIPE	COPPER PIPE AND THERMAL INSULATION UP TO 3.5 M WITH REQUIRED NITRILE RUBBER INSULATION, WITH UV PROOFING
SUCTION TUBE SIZE OUTER DIAMETER INCH (MM)	1/2" (12.7mm)
LIQUID TUBE SIZE OUTER DIAMETER INCH (MM)	1/4" (6.35mm)
MAX PIPING CAPABILITY TOTAL (METRE)	15
MAX PIPING CAPABILITY VERTICAL (METRE)	10
HEAVY DUTY DRAIN HOSE	3 M
REMOTE	CORDLESS LCD REMOTE WITH AAA BATTERY
WARRANTY FOR EQUIPMENT	3 Years
WARRANTY FOR PCB	ONE YEAR REPLACEMENT
	FOUR YEAR REPAIR
WARRANTY FOR COMPRESSOR	10 years
DISPLAY PANEL POSITION	CENTRAL
MAKE	BLUESTAR/VOLTAS/MITSUBISHI/HITACHI/PANASONIC/DAIKIN/CARRIER
TYPE	WALL MOUNTED
INPUT VOLTAGE RANGE	Single Phase Sine wave (160V-260V)

INPUT VOLTAGE RANGE	Single Phase Sine Wave (195 V to 245 V)
Overall efficiency of ALVC (Minimum, in % age)	95
TEMPERATURE CLASS OF INSULATION	B
CURRENT RATING OF THE RELAY/CONTACTORS (AMP)	As per Cl. 6.4 of IS:8448 latest
FEATURES	HIGH POWER EFFICIENCY, INTELLIGENT TIME DELAY SYSTEM, LOW & HIGH VOLTAGE CUT-OFF PROTECTION, BUILT-IN THERMAL OVERLOAD PROTECTION, LED INDICATIONS ETC SUITABLE
WARRANTY	Three years
MAKE	v-Guard/ Philips/ Voltas/ Crompton Greaves/Godrej/ Microtek)
THREE PIN PLUG TOP	RoHS compliant)16A 3 pin plug top