

RE -TENDER NOTICE

Sealed competitive quotations are invited from reputed firms for the supply of one 1.5 Ton Inverter Air Conditioner for installation at Translational Research & Innovation Centre (TRIC-KU), University of Kerala, Kariavattom campus. The specifications for the AC are attached below.

- (1) The Air Conditioner should be energy efficient and should have BEE five star ratings, operating on R32 refrigerants with copper condenser and evaporator coils.
- (2) **AC Make : Panasonic/Voltas/ Carrier/Mitsubishi/Bluestar/Daikin**
- (3) The AC should have 02 year machine warranty and 10 year compressor warranty.
- (4) **Stabilizer Make: V-Guard/Philips/Crompton Greaves/Godrej/Microtek and stand for stabilizer should be provided.**
- (5) Quotation should have date, full address of vendor including contact no. and email, Model, Make & Capacity of AC as well as Model, Make & Capacity of Stabilizer.
- (6) For Additional details ,please refer page 2 of this Tender document.

Quotations shall be addressed in the name of the Joint Director, Translational Research & Innovation Centre (TRIC-KU), University of Kerala, Kariavattom Campus. The envelope should have superscribed as “**Supply and Installation of Latest Model 1.5 Ton BEE 5-Star rating Energy Efficient Split type Inverter Air-Conditioner (Copper Condenser) with Stand & Stabilizer.**” The quotations should reach the office no later than **01/11/2024, 4 p.m.**

Quotations will be opened at 11 am on 02/11/2024 in the presence of suppliers.

Sd/-
Joint Director
TRIC-KU
University of Kerala
Kariavattom Campus
Thiruvananthapuram

Specification

TECHNICAL SPECIFICATIONS	REQUIREMENT
A/C MAKE	Panasonic/ Voltas/ Carrier/Mitsubishi/Bluestar/Daikin
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 FINS WITH ANTICORROSIVE COATING
EVAPORATOR COIL	COPPER TUBES WITH ALUMINIUM FINS WITH ANTICORROSIVE 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	03 M
REMOTE	CORDLESS LCD REMOTE WITH AAA BATTERY
WARRANTY FOR EQUIPMENT	03 Years
WARRANTY FOR PCB	ONE YEAR REPLACEMENT FOUR YEAR REPAIR
WARRANTY FOR COMPRESSOR	10 YEAR
DISPLAY PANEL POSITION	CENTRAL
TYPE	WALL MOUNTED
INPUT VOLTAGE RANGE	SINGLE PHASE SINE WAVE (160V-260V)
OVERALL EFFICIENCY OF ALVC (Minimum in % Age)	95
TEMPERATURE CLASS OF INSULATION	B
CURRENT RATING OF THE RELAY CONTRACTORS (AMP)	AS PER Cl.6.4 OF IS:8448 (LATEST)
ADDITIONAL FEATURES	HIGH POWER EFFICIENCY, INTELLIGENT TIME DELAY SYSTEM, LOW & HIGH VOLTAGE CUT -OFF PROTECTION, BUILT-IN THERMAL OVERLOAD PROTECTION, LED INDICATIONS ETC.
STABILIZER WARRANTY	03 YEARS
STABILIZER MAKE	V-GUARD/VOLTAS/GODREJ/HYKON/MICROTEK/PHILIPS
THREE PIN PLUG TOP	RoHS COMPLIANT, 16 A 3PIN PLUG TOP

21/10/2024
Kariavattom

Sd/-
The Joint Director
Translational Research
and Innovation Centre
(TRIC-KU)
University of Kerala,
Kariavattom Campus
Thiruvananthapuram-
695581