

**RETENDER NOTICE**

Sealed competitive quotations are invited from reputed firms for the supply of one Inverter Air Conditioners for installation in the Joint Director's Room, Translational Research & Innovation Centre (TRIC-KU), University of Kerala, Kariavattom campus. The specifications for the AC are 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.**

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 **27/08/2024, 4 p.m.** Quotations will be opened at 11 am on 29/08/2024 in the presence of suppliers.

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

## Specifications

TECHNICAL SPECIFICATIONS	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 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

07/08/2024  
Kariavattom

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

**FORM OF TENDER**

From

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To

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Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as may be decided by the University of Kerala, Thiruvananthapuram at the rates quoted against each item. The articles will be delivered within the time and at the place specified in the schedule.

Yours faithfully (Signature)

.....

(Address).....

Date: .....

Important: This tender form may be printed on A4 size paper. Editing of the pre- printed text in the tender form in any way other than as indicated (like ticking, filling in with ink/typing, scoring off inapplicable material etc.) will render the tender form invalid and liable for rejection.