



## DEPARTMENT OF PHYSICS UNIVERSITY OF KERALA

KARYAVATTOM, THIRUVANANTHAPURAM, INDIA – 695581

e-mail: [physics@keralauniversity.ac.in](mailto:physics@keralauniversity.ac.in) , Phone 0471 – 2308920

(Established as University of Travancore by the Travancore University Act in 1937 and reconstituted as University of Kerala by the Kerala University Act of 1957 and presently governed by the Kerala University Act 1974 passed by Kerala State Legislative Assembly)  
(NAAC Reaccredited with 'A++' Grade)

**Dr. R Jayakrishnan**  
**Professor and Head**

KU/PHY/ 285/25-26

17/09/2025

### Re-Tender Notice

Sealed Competitive Tenders are invited from Authorized dealers/ manufactures for Supply of two 2.0 ton ACs and one 1.5 Ton AC at the Department of Physics, University of Kerala, Kariavattom Campus.

<b>Name of Work/Items</b>	Supply, Installation, Testing and Commissioning of <b>two</b> 2.0 Ton BEE 5 Star rating Energy Efficient Split Type Inverter Air-Conditioner (Copper Condenser) with Accessories and <b>one</b> 1.5 Ton BEE 5 Star rating Energy Efficient Split Type Inverter Air-Conditioner (Copper Condenser) with Accessories and Warranty- Minimum of one Year OEM warranty
<b>Quantity</b>	Two 2.0 Ton Air- Conditioner and One 1.5 Ton Air- Conditioner
<b>Documents to be submitted</b>	• Address and Details of the Firm. • Technical Details/Specification Battery, warranty information • Any other relevant information
<b>Period of Completion</b>	15 days
<b>Last Date of receipt of Tender/ Bid closing</b>	30/09/25, 03:00 PM

The interested bidders shall submit their best possible offer before the last date to the undersigned.

### Scope of the Work

The firm shall supply and install three ACs at the Department of Physics, University of Kerala.

The tender forms can be downloaded from the Website of the University of Kerala [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in). The cost of tender form and Earnest Money Deposit (EMD) should be submitted as Demand Draft (DD) issued from a Nationalized and Scheduled Commercial Banks, drawn in favor of the Finance Officer, University of Kerala, payable at State Bank of India, Kerala University Office Campus (KUOC) Branch (IFS Code: SBIN0070292), as described below

Cost of Tender Form	472/- (if the estimate amount is 2 Lakhs)
Earnest Money Deposit (EMD)	2000/- (if the estimate amount is 2 Lakhs)

The cost of tender form will not be refunded and the separate DD towards the cost of the tender form and the EMD should be submitted. For more details, please log on to [www.keralauniversity.ac.in](http://www.keralauniversity.ac.in).

#### **Specifications of the Air Conditioners**

<b>"Supply and Installation of 2 Ton Air Conditioners including stabilizers at the Department of Physics, University of Kerala, Kariavattom Campus"</b>		
1	<b>BEE 5 Star 2.0 TON HIGH WALL SPLIT AC -2 Numbers</b>	<p>Supply, installation, testing and commissioning of 2.0 TON Hi Wall Split Air Conditioning unit</p> <p>Nominal Cooling Capacity (in BTU/Hr) – 24000 BTU/Hr +- 10% Tolerance</p> <p>Nominal marketing Capacity 2.0 TON</p> <p>Latest BEE 5 Star – Inverter Variable Speed Compressor &amp; ISEER Rating</p> <p>Functions: Cooling, Dehumidification, filtering and air circulation Inverter AC – Variable Speed Compressor</p> <p>Copper Evaporator &amp; Condenser coils with Protective coating (Goldfin/ Bluefin) Ecofriendly Refrigerant- R32/ Equivalent Accessories – Remote with Batteries, 3 Metres Copper Coil with Class 0 Nitrile Rubber Insulation wound with all – weather tape, 4 core wire – 3 Metres of suitable size, Drainpipes – Minimum 1.5 Meter.</p> <p>Wall/ Floor mounting metallic stands with Fasteners Free Periodical services as per OEM standards during Warranty period</p> <p>Compressor Warranty minimum 10 years</p> <p>PCB Warranty – 5 years</p> <p>Free Services – 2 per year</p> <p>Brands - Mitsubishi/ Daikin/ Hitachi/ Carrier/ General/ Bluestar</p>



	<b>BEE 5 Star 1.5 TON HIGH WALL SPLIT AC – 1 Numbers</b>	<p>Supply, installation, testing and commissioning of 1.5 TON Hi Wall Split Air Conditioning unit</p> <p>Nominal Cooling Capacity (in BTU/Hr) – 08000 BTU/Hr +- 10% Tolerance</p> <p>Nominal marketing Capacity 1.5 TON</p> <p>Latest BEE 5 Star &amp; ISEER RATINGS– Inverter Variable Speed Compressor &amp; ISEER Rating</p> <p>Functions: Cooling, Dehumidification, filtering and air circulation Inverter AC – Variable Speed Compressor</p> <p>Copper Evaporator &amp; Condenser coils with Protective coating (Goldfin/ Bluefin) Ecofriendly Refrigerant- R32/ Equivalent Accessories – Remote with Batteries, 3 Metres Copper Coil with Class 0 Nitrile Rubber Insulation wound with all – weather tape, 4 core wire – 3 Metres of suitable size, Drainpipes – Minimum 1.5 Meter.</p> <p>Wall/ Floor mounting metallic stands with Fasteners Free Periodical services a per OEM standards during Warranty period</p> <p>Compressor Warranty minimum 10 years</p> <p>PCB Warranty – 5 years</p> <p>Free Services – 2 per year</p> <p>Brands - Mitsubishi/ Daikin/ Hitachi/ Carrier/ General/ Bluestar</p>
2	<b>SITC of 4KVA Wall Mount Voltage – 1 Numbers</b>	<p><b>SITC of 4KVA Wall Mount Voltage Stabilizer</b> for split AC unit with voltage range of 140-280V Stabilizer with low and high voltage cut off, Intelligent Time Delay, Thermal Overloaded Protection, Micro-controlled Circuitry, Digital Display, Fire-retardant ABS Plastic Body, Wall Mountable Cabinet Design with 3 months replacement warranty and 3 years onsite warranty (Preferred Brands: - V-Guard VGA Series, Crompton PS series, Microtek Pearl Series)</p>
3	<b>SITC of 5KVA Wall Mount Voltage – 2 Numbers</b>	<p><b>SITC of 5KVA Wall Mount Voltage Stabilizer</b> for split AC unit with voltage range of 140-280V Stabilizer with low and high voltage cut off, Intelligent Time Delay, Thermal Overloaded Protection, Micro-controlled Circuitry, Digital Display, Fire-retardant ABS Plastic Body, Wall Mountable Cabinet Design with 3 months replacement warranty and 3 years onsite warranty (Preferred Brands: - V-Guard VGA Series, Crompton PS series, Microtek Pearl Series)</p>
4	<b>Refrigerant Piping with all Weather Tape – 4 metres</b>	<p>Supply and installation of Refrigerant piping of suitable size matching the equipment size with 19 mm thick nitrile rubber insulation with proper supports( Liquid &amp; Discharge Line) copper Pipe – Totaline/ Mandev make only, Nitrile</p>

		Rubber insulation – Armaflex/ K Flex, wound with All weather tape
5	<b>Drain Pipe – 8 metres</b>	Supplying and Fixing High Density 25mm PVC pipe covered with insulation and wall straps
6	<b>Power Cable – 15 metres</b>	Supply and drawing the following sizes of multi-core PVC insulated & FRLS PVC sheathed 650/1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface/ recess conduit as required including necessary connections of the following sizes. 4 core 2.50 sq mm
7	<b>Communication Cable - 15 metres</b>	Supply and drawing the following sizes of multi – core PVC insulated & FRLS PVC sheathed 650/ 1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface/ recess conduit as required including necessary connections of the following sizes. 4 core 2.50 sq mm
8	<b>16A 3 PIN PIUG TOP - 3 Nos</b>	Supply and Fixing the following modular switched & accessories in the existing front plates and giving necessary connections as required ( RoHS Complaint)



*[Signature]*  
17.9.25

**HEAD**  
Department of Physics  
University of Kerala, Kariavattom  
Thiruvananthapuram - 695 581





# DEPARTMENT OF PHYSICS

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Dr. R Jayakrishnan  
Professor and Head

KU/PHY/ 286/25-26

17/09/2025

**Tender Document for the Supply and Installation for Supply of two 2 ton ACs and one 1.5 ton AC at the Department of Physics, University of Kerala, Kariavattom Campus.**

## Re-Tender Details

Registered Name and Address of Tenderer	
Address for communication	
Other contact information	
Telephone Office:	
Mobile:	
Email:	
FAX:	
Signature	

## FORM OF TENDER

From

.....  
.....  
.....

To

.....  
.....  
.....

Sir,

I/ Whereby 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 places specified in the schedule.

\*I/We am/ are remitting/ have separately remitted the required amount of  
₹.....(Rupees.....only) as earnest money.

Yours faithfully

Signature.....

Address.....

Date: .....

\*(To be scored in cases where no earnest money deposit is furnished)

Important: This tender form may be printed on A4sizepaper. Editing of the pre-printed text in the tender form in any way other than as indicated (like ticking, filling in within k/typing, scoring off inapplicable material etc.) will render the tender form invalid and liable for rejection.



### Pre-Qualification Criteria

Sl. No.	Qualification criteria	Documents required	Compliance Yes/ No
1.	The specifications are the basic essence of the product. It must be ensured that the offers must be strictly as per tendered specifications. At the same time, it must be kept in mind that merely copying the specifications in the quotation shall not make the parties eligible for consideration for techno-commercial evaluation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected /Supported by the printed technical leaflet/literature. Therefore, the model quoted will invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance with the above shall be treated as incomplete/ambiguous, and the offer can be rejected without giving the bidder an opportunity for clarification.	Necessary documents for verifications of the same shall be submitted along with the bid	
2.	Parties who have supplied similar category of equipment/devices to at least two Government Depts./PSU/University in India need to quote.	A copy of the PO should be submitted along with the tender	
3.	The bidder should have proven experience of minimum 3 years, at the date of submission of the bid in dealing /distributing Air Conditioners.	The bidder shall provide the necessary documents to validate this requirement.	
4.	The brand quoted and the bidder shall not be blacklisted by any Government agencies/ Utilities/ Departments at the time of bidding	Letter from authorized signatory on the letterhead regarding non-blacklisting	
5.	Manufacturing facility/brand should be ISO certified.	ISO Certificate should be submitted along with bid	
6.	Startup & MSME relaxations- Govt directions/ circulars will be followed	Necessary documents for verifications of the same shall be submitted along with the bid	
7.	Agreeing to the terms and conditions of the tender document (by signing all pages of the copy of the tender document) is a mandatory requirement	A copy of the signed tender document should be submitted along with the tender.	

## General Terms and conditions

1. The tender shall be submitted in the two bids viz. Technical Bid and Financial Bid. Only those qualified in technical bid will be eligible for participating in financial bid.
2. Tenderers who are black listed by State/Central Government departments and organizations are not eligible to participate in this tender and such tender will be summarily rejected.
3. General rules relating to purchase of materials/equipment's will also applicable to this tender.
4. In case of dispute arises, the decision of University of Kerala shall be final and binding on bidders.
5. The Bidder shall quote price in clear terms and the specification of products. The rates quoted must be inclusive of all taxes, cost of supply at site including loading and unloading charge, warranty and installation charges etc...
6. The items shall be installed and commissioned at the Department of Physics, University of Kerala, Kariavattom Campus.
7. Detailed equipment datasheet and Compliance Statement should be submitted separately that includes all parameters including Make, Model and warranty period of the quoted item, as in specification.
8. If any component is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.
9. Supplier should mention their details of service setup and manpower resources in Thiruvananthapuram who are responsible for after sales support.
10. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.
11. The bids shall be addressed and send to "**Dr. R Jayakrishnan., Professor and Head, Department of Physics, University of Kerala, Thiruvananthapuram**", on or before the date mentioned above.



*[Handwritten signature]*  
17.9.25

**Professor and Head,  
Department of Physics,  
University of Kerala**

**HEAD**  
Department of Physics  
University of Kerala, Kariavattom  
Thiruvananthapuram - 695 581