



# DEPARTMENT OF BIOCHEMISTRY

(DST-FIST Sponsored Department)

## UNIVERSITY OF KERALA

(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 of 1974 passed by the Kerala state Legislative Assembly)

(Re – accredited by NAAC with ‘A’ Grade)



KARIAVATTOM  
THIRUVANANTHAPURAM – 695581  
PHONE: 0471 2308078  
Email: [biochemistry@keralauniversity.ac.in](mailto:biochemistry@keralauniversity.ac.in)

BCH/NON-PLAN/RETENDER-02/NEW LABORATORY/2025-26

09.10.2025

### RETENDER NOTICE

Sealed tenders are invited from reputed and original equipment manufacturers/authorized dealers/firms and distributors, **with in Kerala**, for the **Supply, Installation, Testing and Commissioning of Latest Model 1.5 Ton and 1.0 Ton – 4 Nos. (Four numbers) BEE 5-Star rating Energy Efficient High Wall Split type Inverter Air-Conditioner with 4KVA Voltage Stabiliser & accessories, (Preferred Brands:- Mitsubishi/Daikin/Hitachi/Carrier/Panasonic/General/ Voltas/ Bluestar) [RETENDER]** under the project proposal “Setting up of new laboratory in the Department to be installed at the New Laboratory complex, Department of Biochemistry, University of Kerala, Kariavattom campus, TVPM-695581.

### Specification of the Air Conditioners

1.	4 KVA Voltage Stabilizer – 4 Numbers	Supply, installation, testing and commissioning of 4KVA wall mount Voltage Stabilizer for split AC unit with voltage range of 140V-280V stabilizer with features of Low & High voltage cut-off protection, intelligent time delay system, thermal overload protection, Micro controlled Circuitry, Digital Display, Fire retardant ABS plastic body, Wall mountable cabinet design with three years on-site warranty (Preferred Brands:- V-Guard/VGA series/Crompton/ PS Series, Microtek-Pearl Series)
2.	1.0 Ton Latest BEE 5-Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner 12000 BTU/Hr AC 1 Number	BEE 5 STAR 1.0 TON HIGH WALL SPLIT AC, Supply Installation Testing and Commissioning of 1.0 TON Hi Wall Split Air Conditioning Unit, Nominal Cooling Capacity (in BTU/Hr) -- 12000 BTU/Hr +-10% Tolerance, Nominal marketing Capacity -1.5 TON, Latest: BEE 5 STAR -Inverter variable Speed Compressor & ISEER Ratings, Functions : Cooling, dehumidification, filtering and air Circulation, Inverter AC - Variable Speed Compressor, Copper Evaporator & Condenser coils with Protective coating (Goldfin/Bluefin), Ecofriendly Refrigerant - R32/Equivalent, Accessories - Remote with batteries,

	<p>3Meters Copper Coil with Class 0 Nitrile Rubber Insulation wound with all-weather tape, 4 Core wire - 3 Meters of suitable size, Drainpipes - Minimum 1.5 Meter, Wall/Floor mounting metallic stands with Fastners,</p> <p>Free Periodical Services – 2 per year during Defect Liability Period - 3 Years, Warranty on Compressor-10 years, Warranty on PCB -5 years, Periodical services during Defect Liability Period</p> <p>(Preferred Brands: - Mitsubishi/Daikin/Hitachi/Carrier/ Panasonic/ General/Voltas/Bluestar)</p>
3.1.5 Ton Latest BEE 5-Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner- 18000 BTU/Hr AC 1 Number 3 numbers	<p>BEE 5 STAR 1.5 TON HIGH WALL SPLIT AC, Supply Installation Testing and Commissioning of 1.5 TON Hi Wall Split Air Conditioning Unit, Nominal Cooling Capacity (in BTU/Hr) -- 18000 BTU/Hr +-10% Tolerance, Nominal marketing Capacity -1.5 TON, Latest:BEE 5 STAR -Inverter variable Speed Compressor &amp; ISEER Ratings, Functions : Cooling, dehumidification, filtering and air Circulation, Inverter AC - Variable Speed Compressor, Copper Evaporator &amp; Condenser coils with Protective coating (Goldfin/Bluefin), Ecofriendly Refrigerant - R32/Equivalent, Accessories - Remote with batteries, 3Meters Copper Coil with Class 0 Nitrile Rubber Insulation wound with all-weather tape, 4 Core wire - 3 Meters of suitable size, Drainpipes - Minimum 1.5 Meter, Wall/Floor mounting metallic stands with Fastners,</p> <p>Free Periodical Services – 2 per year during Defect Liability Period - 3 Years, Warranty on Compressor-10 years, Warranty on PCB -5 years, Periodical services during Defect Liability Period</p> <p>(Preferred Brands: - Mitsubishi/Daikin/Hitachi/Carrier/ Panasonic/ General/Voltas/Bluestar)</p>
4.Extra Copper Refrigerant Pipe for connecting ODU and IDU (Suction and discharge together with insulation and all wather tape) – 12 metre	<p>SITC of Soft Drawn Copper Refrigerant Piping including all accessories including joints properly brazed insulated with chemically cross linked Nitrile Rubber fire Retardant grade Class O with 13 mm thickness, all wather tape and necessary supports as required. Size for 1.5 TR and 1.0TR as per OEM STANDARDS.</p>

5.16 A3 Pin Plug top- 4 numbers	Supply and Fixing the following modular switches & amp; accessories in the existing front plates and giving necessary connections as required (RoHS compliant) 16A 3 pin plug top
6.3 core 2.50 sq mm-15 metre Power Cable for ODU	Supply and drawing the following sizes of multi-core PVC insulated & amp; 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 giving necessary connections of the following sizes. 3 core 2.50 sq mm
7.4 core 1.50 sq mm-10 metre Communication cable Between ODU and IDU	Supply and drawing the following sizes of multi-core PVC insulated & amp; 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 giving necessary connections of the following sizes. 4 core 1.50 sq mm

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 remitted by way of Demand Draft (DD) issued from a nationalised/scheduled Commercial Banks, drawn in favour of **Associate Professor and Head, Department of Biochemistry, University of Kerala, Kariavattom Campus, Kerala. Cheque will not be accepted, payable at State Bank of India, Kerala University Kariavattom Campus Branch (SBIN0070043)** as described below: -

Cost of Tender form	<b>Rs. 670/- (Rs. 564/- + 18% GST)</b>
Earnest Money Deposit (EMD)	<b>Rs. 2,820/-</b>

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)

#### **Conditions:**

1. Tenders received after due date and time shall not be considered.
2. The rates quoted should be inclusive of all **taxes, packing, forwarding, freight, loading, unloading, handling, installation and all other incidental charges.**
3. **Compliance Statement & schedule of materials should be submitted that includes all parameters as in specification, as detailed in Tender Document.**

4. Complaints if any with the items supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.
5. The undersigned reserves the right to reject/accept any tender without assigning any reason.
6. The bidders are required to fill and submit “Annexure-A&B” along with the tender form, compliance statement and schedule of material.
7. **The date of opening the tender is 16/10/2025, 2.00 PM**

The Tender should be submitted in a sealed envelope superscribed as “**Retender for Supply, Installation, Testing and Commissioning of Latest Model 1.5 and 1.0 Ton BEE 5-Star rating Energy Efficient High Wall Split type Inverter Air-Conditioner with 4KVA Voltage Stabiliser & accessories.**” addressed to the **Associate Professor and Head, Department of Biochemistry, University of Kerala, Kariavattom Campus, Kerala** .The Tender shall reach this office **on or before 15/10/2025 by 4:00 PM.**

**Department of Biochemistry, University of Kerala, Kariavattom.**

**Retender for Supply, Installation, Testing and Commissioning of Latest Model 1.5 Ton – 2 Nos. BEE 5-  
Star rating High Wall Split type Inverter Air-Conditioner, 4KVA Stabilizer – 4 Nos. & Metallic Mount  
and accessories**

**“Annexure – A”**

Name of the Tenderer:	
Address:	
Mobile No:	
Telephone Office:	
E-mail ID:	
PAN No. (Attach copy of PAN card) mandatory	
GST Registration Details	
Bank A/c details with IFSC code	A/c No:  IFSC  code:  MICR Code:
Signature of Tenderer:	

**“Annexure – B”**

**FORM OF TENDER**

From

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.....  
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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.

\* I/We am/are remitting/have separately remitted the required amount of

Rs.....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 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.

## **GENERAL CONDITIONS**

Sealed tenders are invited for the supply and installation of the materials as specified in schedule attached below.

1. The tenders should be addressed to the **Associate Professor and Head, Department of Biochemistry, University of Kerala, Kariavattom Campus, Kerala** in a sealed cover with the tender number and name – **“Tender for Supply, Installation, Testing and Commissioning of Latest Model 1.5 and 1.0 Ton BEE 5-Star rating Energy Efficient High Wall Split type Inverter Air-Conditioner with 4KVA Voltage Stabiliser & accessories”** duly superscribed on the cover on or before **15/10/2025, 4:00 PM**.
2. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection. The cost of tender forms once paid will not be refunded.
3. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on or before the due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clause and/or ‘subject to prior sale’ condition are liable to be rejected.
4. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, The cost of the tender form is **Rs. 670/- (i.e. Rs. 564/- + 18% GST)** and are required to furnish **Earnest Money Deposit (EMD) of Rs. 2,820/- (Rupees Two Thousand Eight Hundred and Twenty Only)**, should be remitted by way of Demand Draft (DD) issued from a nationalized/scheduled bank, drawn in favour of the **Associate Professor and Head, Department of Biochemistry, University of Kerala, Kariavattom Campus, Kerala**. **Cheque will not be accepted**, payable at **State Bank of India, Kerala University Kariavattom Campus Branch (SBIN0070043)**. The tender documents, along with separate DD towards the cost of the tender form and the EMD should be submitted/sent to Joint Director, Translational Research & Innovation Centre, Kariavattom, University of Kerala. The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled.  
  
(b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit, the registration number assigned to them by the Stores Purchase Department. Attested copy of registration certificate may be enclosed with the tender for reference.  
  
(c) Small scale industries and Cottage industries within the State which are certified as such by the Director of Industries and commerce or by the Regional Joint Directors of Industries and Commerce will be exempted from furnishing earnest money deposits in support of tenders submitted by them.
5. The tenders will be opened on the appointed day and time in the office of the Joint Director, Translational Research & Innovation Centre, Kariavattom, University of Kerala, in the presence of such of those tenderers or their nominees who may be present at that time.
6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to University of Kerala or such action taken against him as the University think fit.

7. The final acceptance of the tenders rest entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.
8. In cases where a successful tenderer, after having made partial supplies, fails to fulfil the contracts in full, all or any of the materials not supplied may at the discretion of the Registrar, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the University shall thereby, together with such sums as may be fixed by the University towards damages, be recovered from the defaulting tenderer.
9. Payments will be made only after the supplies are actually verified and taken to stock. The firms should produce stamped pre-receipt for releasing the payment, after the satisfactory supply/installation of the items at our site.
10. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Registrar who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such recession. Provided always that is such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.
11. The tenderer shall undertake to supply materials according to the standard sample and/ or specifications mentioned in the Tender Document.

**12. No representation for enhancement of rates once accepted will be considered.**

**13. Any attempt on the part of the tenderers or their agents to influence the University in their favour by personal canvassing with the officers concerned will disqualify the tenderers.**

14. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of earnest money in the event of default in supplies or failure to supply within the stipulated period.
15. Tenderers who are blacklisted by State / Central Government departments and organizations are not eligible to participate in this tender and such tender will be summarily rejected.
16. All the items must have a warranty period, as mentioned in the specification.

**Technical Specifications/Schedule of Materials/Compliance Statement for the Supply, Installation, Testing and Commissioning of Latest Model 1.5 Ton and 1.0 – 4 Nos. (Four numbers) BEE 5-Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner with 4KVA Voltage Stabiliser & accessories (Retender- 02)**

**SCHEDULE OF MATERIALS**

Sl. no.	Item Name	Quantity	Rate (including all charges except GST)	Total Rate (Qty x Rate)	GST Rate (%)	GST Amount	Total amount (Total rate + GST)	Remarks
1.	4 KVA Voltage Stabilizer	4 Nos						
2.	1.0 Ton Latest BEE 5-Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner- numbers	1 Nos						
3.	1.5 Ton Latest BEE 5-Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner- numbers	3 Nos						
4.	Extra Copper Refrigerant Pipe	12 metre						
5.	16 A3 Plug top	4 Nos						
6.	3 core 2.50 sq mm	15 metre						
7.	4 core 1.50 sq mm-metre	10 metre						

## COMPLIANCE STATEMENT

<b>Description</b>				
<b>Parameters</b>		<b>Specification</b>	<b>Compliance (Yes/No)</b>	<b>Remarks</b>
1.	4 KVA Voltage Stabilizer – 4 Numbers	Supply, installation, testing and commissioning of 4KVA wall mount Voltage Stabilizer for split AC unit with voltage range of 140V-280V stabilizer with features of Low & High voltage cut-off protection, intelligent time delay system, thermal overload protection, Micro controlled Circuitry, Digital Display, Fire retardant ABS plastic body, Wall mountable cabinet design with three years on-site warranty (Preferred Brands:- V-Guard/VGA series/Crompton/ PS Series, Microtek-Pearl Series)		
<b>Specify Make &amp; Model:-</b>				
2.				
	1.0 Ton Latest BEE 5 Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner 12000 BTU/Hr AC - 1 Number	BEE 5 STAR 1.0 TON HIGH WALL SPLIT AC, Supply Installation Testing and Commissioning of 1.0 TON Hi Wall Split Air Conditioning Unit, Nominal Cooling Capacity (in BTU/Hr) -- 12000 BTU/Hr +/-10% Tolerance, Nominal marketing Capacity -1.5 TON, Latest: BEE 5 STAR -Inverter variable Speed Compressor & ISEER Ratings, Functions : Cooling, dehumidification, filtering and air Circulation, Inverter AC - Variable Speed Compressor, Copper Evaporator & Condenser coils with Protective coating (Goldfin/Bluefin), Ecofriendly Refrigerant - R32/Equivalent, Accessories - Remote with batteries, 3Meters Copper Coil with Class 0 Nitrile Rubber Insulation wound with all-weather tape, 4 Core wire - 3 Meters of suitable size, Drainpipes - Minimum 1.5 Meter, Wall/Floor mounting metallic stands with Fastners, Free Periodical Services – 2 per year during Defect Liability Period - 3 Years, Warranty on Compressor- 10 years, Warranty on PCB -5 years, Periodical services during Defect Liability Period		

		(Preferred Brands: - Mitsubishi/Daikin/Hitachi/Carrier/ Panasonic/ General/Voltas/Bluestar)		
<b>Specify Make &amp; Model:-</b>				
3.	1.5 Ton Latest BEE 5- Star rating Energy Efficient High Wall Split Type Inverter Air-Conditioner- 3 numbers	BEE 5 STAR 2.0 TON HIGH WALL SPLIT AC, Supply Installation Testing and Commissioning of 1.5 TON Hi Wall Split Air Conditioning Unit, Nominal Cooling Capacity (in BTU/Hr) -- 18000 BTU/Hr +/-10% Tolerance, Nominal marketing Capacity -1.5 TON, Latest:BEE 5 STAR -Inverter variable Speed Compressor & ISEER Ratings, Functions : Cooling, dehumidification, filtering and air Circulation, Inverter AC - Variable Speed Compressor, Copper Evaporator & Condenser coils with Protective coating (Goldfin/Bluefin), Ecofriendly Refrigerant - R32/Equivalent, Accessories - Remote with batteries, 3Meters Copper Coil with Class 0 Nitrile Rubber Insulation wound with all-weather tape, 4 Core wire - 3 Meters of suitable size, Drainpipes - Minimum 1.5 Meter, Wall/Floor mounting metallic stands with Fastners, Free Periodical Services – 2 per year during Defect Liability Period - 3 Years, Warranty on Compressor- 10 years, Warranty on PCB -5 years, Periodical services during Defect Liability Period (Preferred Brands: - Mitsubishi/Daikin/Hitachi/Carrier/ Panasonic/ General/Voltas/Bluestar)		
<b>Specify Make &amp; Model:-</b>				
4.	Extra Copper Refrigerant Pipe for connecting ODU and IDU (Suction and discharge together with insulation and all weather tape) – 12 meter	SITC of Soft Drawn Copper Refrigerant Piping including all accessories including joints properly brazed insulated with chemically cross linked Nitrile Rubber fire Retardant grade Class O with 13 mm thickness, all weather tape and necessary supports as required. Size for 2 TRSsplit AC (1/2 AND 1/4th)		
<b>Specify Make &amp; Model:-</b>				

5.	16 A3 Pin Plug top-4 numbers	Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant) 16A 3 pin plug top		
6.	3 core 2.50 sq mm- 15 meter Power Cable for ODU	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 giving necessary connections of the following sizes. 3 core 2.50 sq mm		
<b>Specify Make &amp; Model:-</b>				
7.	4 core 1.50 sq mm-10 meter Communication cable Between ODU and IDU	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 giving necessary connections of the following sizes. 4 core 1.50 sq mm		
<b>Specify Make &amp; Model:-</b>				

### **Terms & Conditions**

1. **The rates quoted should be inclusive of all charges such as packing, forwarding, freight, loading/unloading/handling or installation charges and Government duties leviable, if any.**
2. Detailed specifications of the items together with quantity required are available within the schedule of Materials/Compliance appended to the tender notification/tender document.
3. **Validity:-** The tender will be valid for 180 days from its date of opening. Further extension can be done by mutual consent.
4. **Delivery :-** The item should be delivered at the Department of Biochemistry, University of Kerala, Kariavattom Campus, Kerala
5. **Installation :-** The items shall be installed at the New Laboratory Complex, Department of Biochemistry, University of Kerala
6. **Period of Completion:-** The supply and installation shall be completed within a period 15 days from date of placing the Supply Order.
7. **Payment:** - The full payment will be made only after successful completion of the supply and the installation of items and advance payment will not be allowed under any circumstances. No part payments shall be made.