

**Department of Biotechnology, University of Kerala,  
Kariavattom, Thiruvananthapuram-695581, Ph.No. 0471 2308778  
Quotation Notice**

No. Bio-Tech/Purchase/2020-21/11

Dated. 31..12..2020

Sealed Quotations are invited from the eligible firms for the supply and installation of Air Conditioners (02 Nos.) in the Inter University Centre for Genomics and Gene Technology (IUCGGT), Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram.

SI No.	Name of Item	Quantity
1	Supply and Installation of 1.5 Ton Split Air Conditioner	02

**Technical Specifications for AC:-**

SI No.	Item Description	Qty	Unit
1.	Supply, Installation, testing and commissioning of 1.5-Ton, 05 Star rated, inverter type, wall mounting, high energy efficient, split air conditioner unit (IDU), fitted with hermetically sealed rotary compressor (ODU) suitable for eco-friendly and energy efficient refrigerant R-32A conforming to IS: 1391 Part-2 1992 (with latest amendments except power consumption norms) suitable for operation on 230 V, 50 Hz AC supply and capable of performing functions such as cooling, dehumidifying, air circulating, filtering etc. and having features of long distance piping flexibility, wide angle air flow, IDU noise level <43 dB(A) and ODU noise level <56 dB(A) as required. The condensing and evaporating coils should be made of soft drawn bright annealed copper tubes of suitable sizes (100% copper) and a standard length of upto 3 meters should be supplied with the AC unit and the copper pipes should be properly insulated with 10 mm thick closed cell Class '0' elastomeric nitrile rubberized foam sleeve insulation. A standard length of upto 3 meters of suitable size ISI marked round flexible copper control cable for electrically connecting IDU and ODU of AC unit should be required. Total 4 numbers of comprehensive free services should be provided for the AC unit (IDU&ODU) for the first one year, applicable from the date of commissioning. One year replacement warranty should be provided for the entire AC unit (IDU&ODU) Voltas (SAC 185VJZJ), Carrier, Mitsubishi, Blue Star (IC518DATU/YATU) or Daikin (FTKM50).		
a.	1.5-Ton, Inverter Type, Split Air Conditioner unit (05 star rated)	02	Nos.
2.	Supply and providing extra length of suitable size ISI marked flexible copper cable for the electrically connecting IDU and ODU of AC unit and also extra length of soft drawn bright annealed copper refrigerant pipes of suitable sizes for extending the refrigerant piping between ODU and IDU of AC unit including properly insulating the pipes with 10 mm thick closed cell Class O elastomeric nitrile rubberized foam sleeve insulation, brazing, leak testing etc., as required.	06	Mtrs.
3.	Supply and fixing good quality powder coated MS frames (wall mounting brackets) using required numbers of suitable size anchor bolts for mounting the outdoor unit of AC in positions as required.	02	Sets
4.	Supply, installation, testing and commissioning of wall mounting type 4KVA voltage stabilizer with input voltage range of 170 V-270 V having features of high power efficiency, intelligent time delay system, Low & High voltage cut - off protection, built -in thermal overload protection, LED indications etc., suitable for single phase 2-Ton air conditioner unit. Warranty-Five Years. (Make: V-Guard, Crompton or Microtek)	02	Nos.
5.	Supply and drawing the following sizes of multi-core PVC insulated and PVC sheathed 650/1100 V Grade copper conductor round flexible cables conforming to IS:694 Part-1 1960 in the existing surface/recess conduit as required including giving necessary connections of the following sizes. (Make: RR Kabel, Polycab, Finolex or Havells)		
a.	03 core 4.00 sq. mm	06	Mtrs.
6.	Supply and fixing 25A 3 pin plug top with indicator (RoHS compliant) in the existing front plates and giving necessary connections as required. (Make: Legrand - Myrius, ABB-Classic plus, MK-Blenz or Siemens, Vega)	02	Nos.



**General Instructions:-**

- Incomplete & conditional quotations and quotations received after the due date will be summarily rejected without assigning any reasons thereof.
- The price should be inclusive of all taxes, duties, transportation, installation etc. Nothing extra will be paid in addition to the quoted rate.
- The Price should be quoted only in Indian Rupees. The quotation shall be typed and signed by the bidder.
- Payment Terms: The Department will release the payment only after inspecting the equipment and satisfy that the supply is as per the requirements. The payment will be made after successful completion of the supply on producing invoice in triplicate.
- Validity of quotation: Quotation submitted shall remain valid at least for 90 days from the date of opening the quotation.
- Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation should be made at the Inter University Centre for Genomics and Gene Technology (IUCGGT), Department of Biotechnology, University of Kerala, Kariavattom campus, Thiruvananthapuram- 695581, without any extra cost.
- Service facility: Supplier should mention their details of service setup and manpower in Trivandrum who are responsible for after sales support.
- The model number, make, and a printed literature of the product shall be submitted positively.
- Vendors should provide a list of institutes showing installations of such instruments in India with contact numbers.
- Warranty: Maximum warranty has to be given for the item and the supplier shall guarantee to repair/replace the items or its part, if found defective within the warranty period. The entire expenditure for repair/replace the item in this regard shall be borne by the supplier.
- In case of dispute arises, the decision of the University authority shall be final and binding on bidders.
- The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.
- General rules relating to purchase of materials/equipment will also applicable to this tender.
- The sealed cover may be superscripted with "Quotation for Supply and Installation of 02 Nos. of Air Conditioners"
- The bids shall be opened at the office of HoD, Department of Biotechnology, University of Kerala, Kariavattom Campus, Thiruvananthapuram on 20..01..2021 at 03.00 pm.

**The quotations in sealed cover should reach the undersigned on or before 3:00 pm on 14..01..2021 at the address The Head, Department of Biotechnology, University of Kerala, Kariavattom, Pin 695581.**





**Head**  
Department of Biotechnology  
University of Kerala  
Thiruvananthapuram

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