

34538/Planning A1/2020/UOK

**Department Archaeology, University of Kerala, Kariavattom,  
Thiruvananthapuram, Kerala, India - 695 581**

24/02/2021

**Re-Tender Notice**

Department of Archaeology, University of Kerala, Kariavattom invites open tenders (re-tender) through e-Procurement from reputed manufacturers/authorized distributors/Indian Agents for the purchase of Air Conditioner with following specifications.

Last date and time for submission of tender online	<b>12/03/2021: 5 PM</b>
Date and time of opening of bid	<b>17/03/2021: 11AM</b>
For technical details contact	Dr.PreetaNayar Head Department of Archaeology University of Kerala Ph. No-0471-2308054/2308053 e-mail: archaeologydepartment@gmail.com

**Specification for the purchase of air conditioners for the use in the  
Museum of Department of Archaeology, University of Kerala, Kariavattom Campus**

Sl. No	Item Description	Qty	Unit
1	Supply, installation, testing and commissioning of 2-Ton, 5-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 up to 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 rubberised foam sleeve insulation. A standard length of up to 3 meters of suitable size ISI marked round flexible copper control cable for electrically connecting IDU and ODU of AC unit should be supplied with the AC unit along with microprocessor based wireless remote controller with required number of suitable batteries as 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) along with one-year exclusive warranty for the PCB and nine years exclusive warranty for the compressor. Make- Panasonic, Voltas (SAC 245VDZV), Carrier, Mitsubishi, Blue Star (IC524DBTU) or Daikin (FTKG60).	-	-
a	2-Ton, inverter type, split air conditioner unit. (5-star rated)	9	nos
2	Supply and providing extra length of suitable size ISI marked flexible copper control 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 0 elastomeric nitrile rubberised foam sleeve insulation, brazing, leak testing etc. as required.	25	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 or AC in position as required.	9	sets
4	Supply, installation, testing and commissioning of wall mounting type 5 KVA 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-Gaurd, Crompton or Microtek)	9	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 I recess conduit as required including giving necessary connections of the following sizes. (Make: RR Kabel, Polycab, Finolex or Havells)	-	-

a	3 core 4.00 sq. mm	15	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-Ciassic plus, MK-Blenz or Siemens -Wega)	9	nos

**General Conditions:**

1. Every tenderer should submit Tender fee of **Rs. 2,500/-**
2. Every tenderer should submit Earnest Money Deposit (EMD) of **Rs. 5,000/-**
3. The bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf for this tender as per Manufacturer Authorization From and Indian agents of foreign principals, if any, who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the "Technical Specification". Such equipment must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening.
4. **Compliance Statement:** Along with the technical details provide a tabular column indicating whether the equipment quoted by you meets the specifications by indicating 'YES' or 'NO'. If 'YES', support the claim by providing original brochures. **Venders should provide clear brochures/data sheets about the equipment and its working. Also include adequate proof for the claim regarding the performance.**
5. **Reference:** Names of Institutes with contact person and telephone/ email where similar equipment supplied by you in India [Suppliers with service centers in South India, preferably in Kerala] shall be an added advantage.
6. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
7. The price should be inclusive of all taxes, duties, transportation, insurance, installation etc. Nothing extra will be paid in addition to the quoted rate.
8. Payment Terms: 100% payment after Delivery and Installation.
9. Validity of tender: Tender submitted shall remain valid at least for 120 days from the date of opening the tender. Validity beyond 120 days, from the date of opening of the tender shall be by mutual consent.

10. Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation and training (one week) should be made at the Department of Archaeology, University of Kerala, Kariavattom campus, Trivandrum without extra cost.
11. Service facility: Supplier should mention their details of service setup and manpower in Thiruvananthapuram who are responsible for after sales support.
12. The model number, make, and a printed literature of the product shall be submitted positively.
13. In case of any dispute, the decision of the University authority shall be final and binding on the bidders.
14. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.
15. 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.
16. The manufacturer /supplier should provide training in both hardware and software to the laboratory personnel in the installation, operation and maintenance of the instruments.
17. One-year replacement warranty should be provided for the entire AC unit (IDU & ODU) along with one-year exclusive warranty for the PCB and nine years exclusive warranty for the compressor. 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.
18. Five years comprehensive Warranty shall be provided for the of wall mounting type 5 KVA voltage stabilizer.
19. The supplier should be fully equipped to render us after sale service during warranty and thereafter.

**Documents to be uploaded:**

1. Signed Compliance Matrix
2. Detailed Technical Brochure
3. BoQ
4. Detailed Financial Bid in PDF

**Registrar**