

Pl.A1/1863/2020/UOK

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

05/02/2020

E-Tender Notice

Department of Archaeology, University of Kerala, Kariavattom invites open tenders through e-Procurement from reputed manufacturers/authorized distributors/ Indian Agents for the purchase of Air Conditioner, LED TV, Digital Camera and Accessories with following specifications.

Last date and time for submission of tender online	18/02/2020: 5 PM
Date and time of opening of bid	22/02/2020: 11AM
For technical details contact	Dr. Preeti Nayar Head Department of Archaeology University of Kerala Ph. No-0471-2308054/2308053 e-mail: archaeologydepartment@gmail.com

TECHNICAL SPECIFICATIONS

Sl. No.	ITEM	QTY	BRAND AND SPECIFICATIONS
1	Digital SLR Camera. Canon DSLR EOS 5D Mark IV Kit (EF 24-105 IS II USM)	1	Canon DSLR EOS 5D Mark IV Kit (EF 24-105 IS II USM) 30.4 MP Full-frame CMOS Sensor Dual Pixel CMOS AF 4K Movie Shooting (925 / 30p) with 4K Frame Grab with standard battery pack, charger and carry case. One year warranty minimum.
2	All in one (USB 3.0) card reader	2	Support to read/write SDXC, SDHC,SD,MMC,RSMHC, Micro SDX, Micro SD, Micro SDHC Card and UHS-I Cards with Micro OTG/USB C OTG ADAPTER
3	Memory Card (SDXC) (Sand Disk Extreme Pro)	2	SanDisk Extreme Pro 128GB Class 10 UHS-II SDXC Memory Card (SDSDXPK-128G-GN4IN) Read speed 300 MB/sec; Write Speed 300 MB/sec
4	Digital SLR Camera (Canon EOS 77 D Kit EF-S 18-55 mm IS STM lens)	2	Digital SLR Camera, Canon EOS 77 D Kit EF-S 18-55 mm IS STM lens with 64GB memory card and carry case. One year warranty minimum.
5	Handheld Gimbal Stabilizer for DSLR and mirrorless Cameras (DJI Ronin S)	1	DJI Ronin S Handheld Gimbal Stabilizer for DSLR and Mirrorless Cameras (Black)
5	Action Camera (DJI Osmo Action Cam)	1	DJI Osmo Action Cam (Model No. CP.OS.00000020.01) with accessories. One year warranty minimum.
6	LED TV 65" (4K)	1	Sony/LG/Samsung/Vu LED TV 65" 4K Resolution with standard wall mount. Standard warranty required
8	Inverter with Battery	1	Hykon/V-GUARD Green 2 KVA inverter with Tubular Batteries for 1 hour back up, include battery rack
9	Distance Meter (Leica)	1	Leica DISTOS910 Laser Distance Meter. Including Leica TRI 70 tripod, Leica TRI 100 tripod, Leica TRI 200 tripod, Adapter for laser tripods, Leica GZM3 target plate and Leica FTA 360-S adapter. One year warranty minimum.

10	Air Conditioner: Split A/C, 2 Ton	8	Air Conditioner: Split A/C, 2 Ton, Inverter Type, 5 Star Energy rated, 100 % copper condenser (Blue Star, Voltas, LG)
11	Dry Cabin for Camera Storage	1	Dry Cabin for Camera Storage (Digi Cabi AD- 060 N): 60 litre storage capacity.

Specification for Air Conditioners

Sl. No.	Item Description	Qty	Unit
1	Supply, Installation, testing and commissioning of following capacity of wall mounting, high energy efficient, single phase, inverter type, split air conditioner unit (IDU) having 5- star rating, fitted with hermetically sealed compressor (ODU)		

	suitable for refrigerant R-410A, conforming to IS:1391 Part-2 1992 (with latest amendments except power consumption norms) suitable for operation on 230V, 50Hz 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, indoor noise level<43dB etc. as required. The condensing and evaporating coils should be made of copper tubes(100% copper)and a standard length of 3 metres of soft drawn bright annealed copper refrigerant pipes of suitable sizes should be supplied along with the AC unit for the function of suction and discharge and the copper pipes should be properly insulated with 10mm thick closed cell Class O elastomeric nitrile rubberised foam sleeve insulation. A standard length of 3 meters of suitable size ISI marked flexible copper control cable for electrically connecting IDU and ODU of AC unit and microprocessor based cordless remote control with required number of suitable batteries should also be supplied along with the AC unit as required. There should be 3 numbers of free service for the AC unit for one year from the date of commissioning. One year replacement warranty should be provided for the entire AC unit along with the PCB and ten years exclusive warranty should be provided for the compressor. (make : Panasonic, Voltas, Carrier, Blue Star or Daikin)		
a	2-Ton, inverter type, split air conditioner unit. (5-star rated)	8	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 O elastomeric nitrile rubberised foam sleeve, insulation, brazing, leak testing etc. as required.	20	Mts
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 position as required.	8	Sets
4	Supply, Installation, testing and commissioning of wall mounting type 5KVA voltage stabilizer with input voltage range of 170 V-270 V having features of high power efficiency, intelligent time delay system, Low and 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)	8	Nos
5	Supply and drawing the following sizes of multi-core PVC insulated and PVC sheathed 650/1100V 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.(Make: RR Kabel Polycab, Finolex or Havells)		
a	3 core 4.00 Sq.mm	10	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-Wega)	8	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. 10,000/-**
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 Form 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. Any amount in Indian rupees for installation, commission, labour, spares, service etc shall be entered in item 2 of BoQ.
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 (inclusive of documentation, demurrage, customs duty, clearance, insurance and transportation charges). University of Kerala will provide customs duty exemption certificates if required.
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 submit 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. 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

Registrar