



**Department of Biochemistry**  
**University of Kerala**  
**Kariavattom, Thiruvananthapuram, Kerala 695 581**

Date: 29 October 2021

BCH/UOK/Plan/NBL/VV15/2021

Sealed quotations are invited from the reputed firms/ manufactures/distributors for the supply of **UPS** with relevant specifications with on or before 16 November 2021 at 4.00 PM. Sealed quotations should be addressed to Principal Investigator, Setting up of neurobiology lab – Department of Biochemistry (Plan Fund), Department of Biochemistry, University of Kerala, Thiruvananthapuram - 695581 with superscription "**Quotation for the supply of UPS**". The quotation will be opened on 17 November 2021 at 3 PM in the presence of such tenderers or their authorized representatives who may be present at that time. Bidders have to note *Appendix - Technical Specifications* and *Appendix II- Terms and Conditions* and should attach the relevant documents along with the quotation.

SL No.	Technical specifications for UPS
1.	Capacity 3 KVA
2.	UPS should have a display to indicate various parameters
3.	Power factor 0.9 or better
4.	Inverter efficiency: better than 90%
5.	Efficiency in AC mode: 90% or better
6.	Efficiency in battery: 90% or better
7.	Output: Pure sine wave
8.	Operating Frequency Range: 50HZ $\pm$ 0.5HZ
9.	Operating voltage range: 160V-270V
10.	Battery backup external of bank 1 hour (vendor to mention number and size of batteries) 5 hour (vendor to mention number and size of batteries) Prices to be quoted by vendor for 1 h and 5 h separately
11.	Audio indications: UPS shall give distinct audio signals or alarms for battery mode, low battery and any faults

12.	Racks, integration, testing and commissioning Suitable stable, durable, rust proof, high strength rack for mounting the batteries shall be supplied along with each battery bank. Supplier shall be responsible for installation rack and batteries, connection of all batteries with UPS, testing & commissioning at site.
13.	Make: Make in India
14.	Warranty 3 years comprehensive on UPS, 3 years standard on batteries

## APPENDIX – II

### Terms and conditions

1. The prices quoted should be that applicable for educational institutions (5% GST)
2. The item should have a warranty of 3 years
3. The firm should extend service within 24 hours
4. Prices are to be quoted FOR DESTINATION (Department of Biochemistry, University of Kerala, Kariavattom). The prices quoted should clearly indicate the 4 following charges: Price of the equipment including taxes; Price of optional accessories if any; Customs duty if any (after submission of custom and excise exemption certificate); Customs Clearance Charges, transportation charges and installation charges. If these details are not provided it will be considered that the price quoted is inclusive of all charges.
5. Technical Bid and Financial Bid must be placed in individual sealed envelopes and these envelopes must be placed inside a bigger envelope.
6. Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in single tender it will be summarily rejected.
7. Performance Certificate of the specified model should be attached along with the quotations.
8. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.
9. If any of the components is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.
10. **Supplier authorization letter and specification compliance sheet to be provided along with the quotation.**
11. Quotations should also include all the supportive work for installation, loading and unloading of the equipment.
12. The interested bidders shall submit their best possible offer before last date to the undersigned.
13. Should be a certified company which has provided at least 10 installations of products within or outside India
14. The rate quoted shall be valid for a period of one year.



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