



MARIAN

ENGINEERING COLLEGE

Managed by Latin Archdiocese of Trivandrum



Thiruvananthapuram, Kerala, India - 695582
 Tel: +91-471-2707111, 9495707111, 9495707222
 www.marian.ac.in, Email : mail@marian.ac.in
 GSTIN: 32AAATT2455Q3Z3

No. MEC/QR-72/PRL/PA/26-27/15

19.05.2026

QUOTATION NOTICE

Sealed quotations are invited for the supply of the **1no. of 10 KVA UPS with 26AH batteries** with the following specifications. Quotations, along with terms and conditions, may reach this office on or before 26.05.2026 at 3pm.

Specifications

| | |
|--|---|
| Topology | IGBT based DSP Control. |
| Input Voltage | 415V AC, 335 to 475V AC. |
| Input Frequency | 50 Hz, 48 to 52 Hz. |
| Input PF | >0.92. |
| Output Voltage | 230V AC \pm 1%. |
| Output Frequency | 50 Hz \pm 0.1% in Free running & \pm 4% in Sync. |
| Isolation Transformer | Inbuilt |
| Nominal DC | 240V |
| Crest Factor | 3:1. |
| Waveform | Sinusoidal. |
| THD | <3% on linear load. |
| Overload | 110% for 30 minutes, 125% for 10 minutes, 150% for 1 minute. |
| Transient Response | For 0-50% & 50-100% load change voltage remains within \pm 5%. |
| DC Voltage Ripple | <2%. |
| Inverter Efficiency | >90%. |
| Protections | Input & Output Over / Under Voltage. DC - High / Under Voltage, Battery Charging Over Current. Output Overload / Short Circuit / Over Temp. |
| Audio Alarm | Mains Fail, Battery Low Pre-alarm, Inverter Trip. |
| Metering | LCD display to monitor Input & Output - Voltage, Current & Frequency; Battery - Voltage & Current. |
| Messages | Input - On / High / Low / Fail. Boost Charging, Battery - Float / Discharging / Low Trip, DC High. UPS - On / Off / Normal, Load on - UPS / Static, Overload % & time. Output - Low / High / Overload / Fail / Short Circuit, Over Temp. |
| Indications | Mains On / Fail, Battery On / Low, Inverter On / Trip. |
| Switchgear | MCB / MCCB for Input, Battery & Output; Manual Bypass Switch. |
| Termination | Input, Battery & Output. |
| Enclosure | IP 20. |
| Operating Temp. | 0 to 40°C. |
| Humidity | Upto 95% Rh (non-condensing). |
| Cooling | Forced Air. |
| Noise | <60 dB. |
| Charging Current | 2 to 10 Amps. |
| Auto bypass with SCR control (Static Switch) | Provided with changeover <5 msec in sync <20msec in non-sync. |


Warranty – 3 years

Conditions

1. Separate quotation should be quoted for Online/ Offline UPS.
2. Quotations should be submitted in sealed cover before the last date and time and late submissions on any reason will be rejected summarily. Quotations submitted incomplete in any respect such as unattested, with errors and corrections etc. will be summarily rejected.
3. The Rate should be quoted as per specifications stating price and GST. GST on cost will be considered only if the GSTIN is mentioned in the quotation
4. The Quotation should contain the details of brand name, maker, distributor etc.
5. The rate should include all types of cost such as installation, loading and unloading etc.
6. The final decision on the acceptance/rejection/finalization/postponement of the quotation is solely rests with the Management and the claim of any sort cannot be entertained in this matter.

For more details, please contact in the above numbers or the College office during working hours.

Approved



Manager

Copy to: Manager, Dean, Principal, HOD (AH), Central store, & Enquiry

