

**GOVERNMENT ENGINEERING COLLEGE, PAINAVU, IDUKKI**

**No. P1/538/23/GECI**

**Date: 19/04/2023**

**SHORT QUOTATION NOTICE**

**Quotation No. 03/2023-24**

**Sealed quotations are invited for the purchase of Equipments for Electrical and Electronics Engineering department of this institution details attached**

The sealed envelopes containing the quotations should bear the superscription "**Quotation No 03/2023-24 due on 26/4/2023 and should be addressed to the Principal, Government Engineering College, Painavu, Idukki –685 603.** Last date of receipt of quotation is **26/04/2023 02:00 pm.** Late quotations will not be accepted. The quotations will be opened at Engineering College, Painavu, Idukki – 685603 on **26/04/2023** at 03:00 PM in the presence of such of the tenderers or their authorized representatives who may be present at that time. The maximum period required for delivery of the articles should also be mentioned.

Details of requirements and the conditions governing their supply can be obtained on free of cost from the undersigned till 26/04/2023 at 02:00 PM. The offer should be valid for a minimum period of 3 (three) months from the date of opening the quotations.

1. Price should include all charges and taxes specifically stated. .
2. Payment; Will be made only after the successful completion of the supply / work.
3. Date of opening of quotation; In case the proposed date declares as holiday, the quotation will be opened on the next working day.

**PRINCIPAL**

To,

1. College Notice Board, Website
2. Dr. Binojkumar AC, Associate Professor EEE dept.
3. Office Copy.

**Approval Valid**

Digitally Approved By

Dr. Prince A

Date: 19.04.2023

Reason: Approved

The document is digitally approved. Hence signature is not needed.

**Details of Items**

| SL NO | COMPONENT  | SPECIFICATION   | Quantity |
|-------|--|---|----------|
| 1     | <b>SOLAR PANEL</b>   | Output power : 75 W<br>Operating voltage : 12V<br>Wattage : 75W<br>Voltage at maximum power : 20.0V<br>current at maximum power : 3.75amps<br>Open circuit voltage : 22.5V<br>No of cells : 36<br>Short circuit current Isc: 4.52A<br>Panel Technology: Mono Perc<br>Manufacturer warranty: 10 year on Manufacturing defects<br>Performance Warranty: 25 Years<br>Additional Features: A+ Grade, anti PID Mono cells, Cell Conversion efficiency > 19%, ultra cleared tempered glasses<br>Dimensions:<br>Weight : not more than 3kg<br>L*W*H : not more than 775*665*35mm   | 4        |
| 2     | <b>Rechargeable Lithium- ion Battery with Steel case and Charger</b> | Battery Cell : Lithium-ion<br>Voltage : 48V<br>Capacity : 26Ah<br>Maximum discharge Current : 20A<br>Maximum charging Current : 10A<br>No of cells : 6<br>Additional Features: 1 Year Warranty and Post warranty Service<br>Small & Compact Size Battery with 3 Year Battery Life.  | 1        |
| 3     | <b>SOLAR CHARGE CONTROLLER</b>                                       | 4-Stage Intelligent Lithium Battery Regulator for Solar Panel with LCD Display USB Port 12V/24V/36V/48V (40A)<br>Battery voltage : 12V/24V/36V/48V auto<br>USB output: 5V,2A<br>Max PV input power :2000W,48V<br><b>4-Stage PWM Controller:</b> - With advanced 4-stage charging state i.e. Bulk, Absorption, Float and Equalization, to protect the battery and increase battery life.<br><b>Support Multiple Battery Types:</b> - Works with lead acid, lithium iron and phosphate battery type. Select battery type and the controller will automatically sense 12V/24V/36V/48V system voltage.<br>Note: - Battery voltage and panel voltage should be same.<br><b>Protections:-</b><br>Solar Panel Reverse Polarity, Battery Reverse Polarity, Battery Reverse Discharge, Over-Heating Protection, Battery Over Current, Load Overload<br>Battery Low Voltage, Battery Over Voltage<br>Lightning Protection<br>Warranty: - minimum 1 year warranty and lifetime sales support | 1        |