



## **SREE NARAYANA COLLEGE, CHATHANNUR**



### **AQAR 2023-24**

#### **CRITERIA 7-Institutional Values and Best Practices**

##### **7.1- Environmental Consciousness and Sustainability**

## **Alternate sources of energy and energy conservation measures.**

Discerning the significance of sustainable development several initiatives were carried out to make campus eco friendly thereby identifying staff and students to become more sensitive to the ecological issues.

The architectural design of the college allows in maximum natural lighting and ventilation to save power.

Lights and fans are turned off when not required so as to minimize power consumption. To reduce the electricity consumption in the campus, we have done away with bulbs and heaters in the campus and have restored CFL lights. Energy audit is done on a monthly basis and implemented every possible measures to reduce electricity consumption.

Responsible measures have been taken in the institution to avoid degradation of natural resources. One such measure is the installation of solar panel. Solar energy forms one of the widely used alternative sources of energy to promote sustainability of environment. The installed solar panel in the institute helps in reducing the reliance on conventional electricity sources.

Proper waste management system operates in the campus. The institution strives hard to efficiently use clean, renewable energy and instill eco-friendly values in students and staffs.



**1.5 KW x 3 KV solar off grid power system installed at SN College Chathannur.**

The Principal  
SN Collage,  
Chathanoor.

26/05/2022  
GGE/185/HM/2022

### Greetings from Greengate

Dear Sir,

Sub: Quotation for the supply and installation of 1.5KW X 3KV Solar off grid Power System at SN Collage, Chathanoor.

We thank you for your invitation to quote for the above mentioned project at your esteemed institution. We would like to offer our best price for the supply and installation, testing and commissioning and 1 year free maintenance for the system to be installed. Please find the below given details for your reference and kind approval for the same.

| SI No. | ITEM DESCRIPTION                             | UNIT        | PRICE     |
|--------|--|-------------|-----------|
| 1      | <b>Solar Power Plant 1.5KW X 3KVA System</b> |             |           |
| A      | PV Module, (Panels) 250W X 24V               | 6 Nos       |           |
| B      | Inverter System 3KV 48V                      | 1 No.       |           |
| C      | Charge Controller MPPT System 60V            | 1 No.       |           |
| D      | Battery C10 Solar 100Ah Tubular              | 4 No.       |           |
| E      | Electrical Interface                         | As required |           |
| F      | Solar Panel Structural Fabrication           | "           |           |
| G      | System Integration                           | "           |           |
| H      | Packing Transporting etc                     | "           |           |
| I      | Contingencies                                |             | 210000.00 |
| J      | Total  |             | 55000.00  |
|        | Less Discount                                |             | 155000.00 |
|        | <b>OurTotal lump sum amount</b>              |             |           |

Our total lump sum amount will be One Lakh Fifty Five Thousand including GST 5%

Furthermore, kindly note the following.

- 1 Scope of work : Solar power will be connected to -
  - a. All electrical equipments in three floor building
- 2 Warranty :
  - a) Manufacturer's warranty for Solar Panel 20 years.
  - b) Manufacturer's warranty for Batteries 5 years.
  - c) Manufacturer's warranty for Invertors 2 years.





**Promoting the use of electric vehicle at college campus**



**Battery Powered vehicle**



**LED Bulb**



**Biogas Plant**