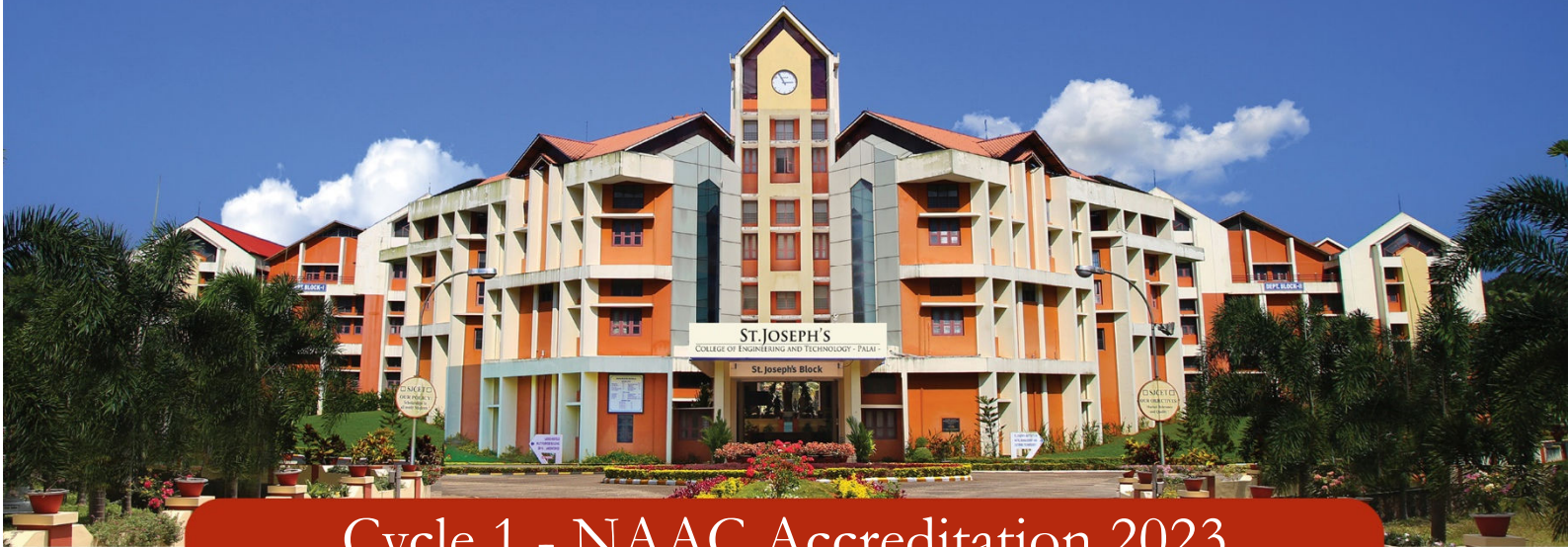




ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

Choondacherry P.O., Palai, Kottayam Pin 686579, Kerala, India
Phone: +91 4822-239700, 239301, 239302
Email: info@sjcetpalai.ac.in • Website: www.sjcetpalai.ac.in



Cycle 1 - NAAC Accreditation 2023

Criterion - 4

Infrastructure & Learning Resources

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Submitted to:



National Assessment and Accreditation Council

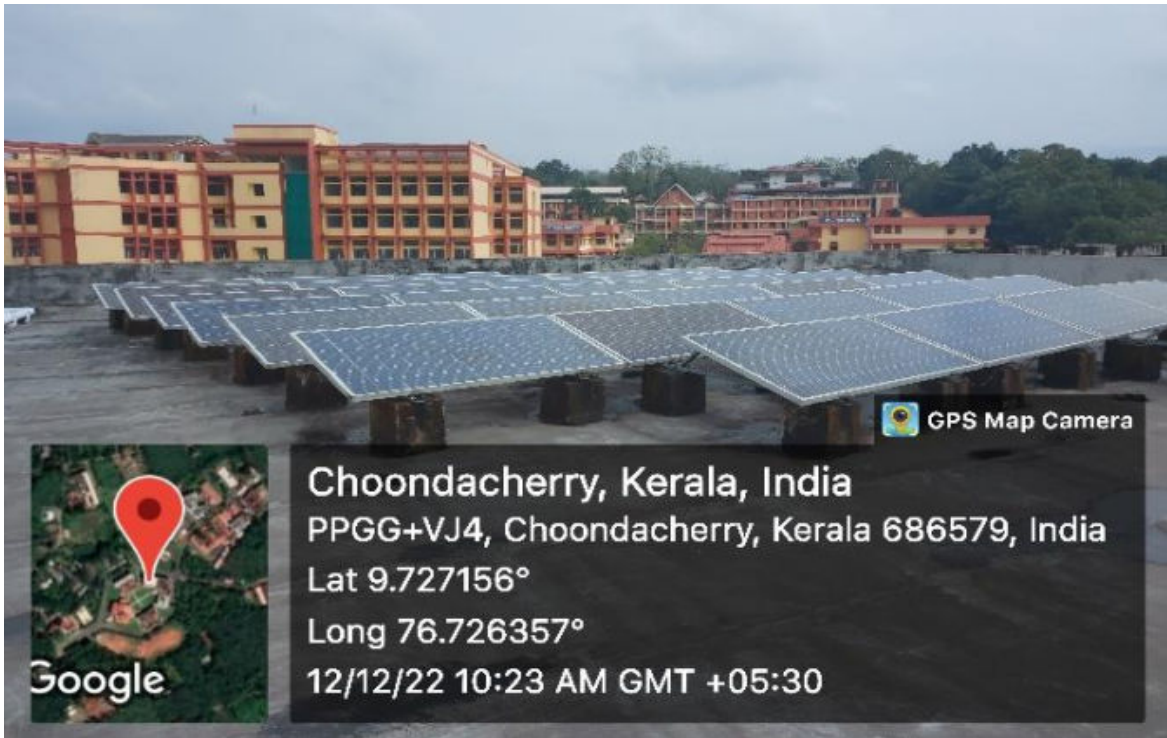
Solar Power Grid (Legal Details)



Solar Panels 1



Solar Panels 2



Solar Panels 3



Solar Switching & Metering Station (on-Grid Configuration)

Solar



Government of Kerala
Department of Electrical Inspectorate
Office of the Electrical Inspector
Star Junction, M.C Road, Kottayam .P.O, Kottayam-01.
Phone:- 0481 2568878, Email:-eikottayam@gmail.com



**Proceedings of the
Electrical Inspector, Kottayam**

(Present:- Jameskutty Thomas)

Subject:- Installation of 100.320 kWp Solar System at the premises of M/s. St. Joseph College of Engineering and Technology Choondacherry, Pala-686579 - Sanction for energisation - orders issued - reg:-

- Read:-**
1. Scheme approval No. B1-7317/20/EIK dated 22/12/20
 2. Completion report No. Nil received on 13/01/21 of M/s. Voltamps Engg. Co., XXXIII/20A, Padivattom, Edapally
 3. Inspection conducted on 13/01/21

Order No. B1-7317/20/EIK dated 15/01/21

Sanction under Section 54 of The Electricity Act, 2003 and Regulation 32 & 43(7) of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 is hereby accorded for energisation of the electrical installation covered under the Completion Report read as 2nd above and installed at the premises of M/s. St. Joseph College of Engineering and Technology Choondacherry, Pala-686579 with the following specifications subject to the conditions mentioned here under.

Conditions:-

1. Any addition or alteration to the existing installation shall be carried out only after getting prior written approval from this office.
2. The owner should rectify any defects that may be pointed out during subsequent inspection of the installation by the Electrical Inspector.
3. Date of energisation should be intimated to this office.
4. The maintenance of all major equipments should be carried out periodically as prescribed by the manufacturer and as per Indian Standard Specifications and a register shall be maintained for recording maintenance activity and periodic checking. The register shall be kept upto date and submitted for perusal during periodical inspection.
5. All the pre-commissioning tests shall be recorded for ready reference.
6. Only authorised person shall be in charge of the operation and maintenance of the installation.
7. Power allocation for additional loads, if necessary, should be obtained from KSEB/Licensee.
8. Consent from the licensee shall be obtained.

Specifications:-

Inverter

82.8kVA

[Inverter 1:-27.6 kVA; Solar Edge(Make);SJ0320-07E086D04-F7

Inverter 2:-27.6 kVA; Solar Edge(Make);SJ0320-07E086D06-F9

Inverter 3:-27.6 kVA; Solar Edge(Make);SJ0320-07E086D17-0A]

Solar Panel PV Modules

100.32kWp

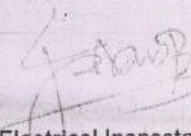
[WAREE(Make);380 W(Rating);No. of strings-3;Total no. of panels-264]

MV Switch Gears

A.SOLAR- SB#1

160A -1No.

63A -3Nos.


Electrical Inspector

To

M/s.St. Joseph College of Engineering and Technology
Choondacherry,
Pala-686579

Copy to:

1. M/s.Voltamps Engg. Co., XXXIII/20A, Padivattom,Edapally [Lic. No.- CA153]
2. The Assistant Engineer, KSEB, Electrical Section:- Bharanaganam
3. Stock File/Computer Data
4. Office Copy

ILR Case No.1129 Existing PIR Case No.0219

e.solutions-7.7

475/18

Government of Kerala
Department of Electrical Inspectorate
Office of the Electrical Inspector

Star Junction, M.C Road, Kottayam P.O, Kottayam-01
Phone:- 0481 2568878, Email:- eikottayam@gmail.com, eiktn@celkerala.gov.in



**Proceedings of the
Deputy Electrical Inspector in Charge, Kottayam**

(Present:- Soman KK)

Subject:- 10 kWp Solar System-Energisation Sanction for Grid Connection at the premises of M/s St Joseph's College of Engineering And Technology, Choondachery PO, Bharananganam, Pala, Kottayam - Sanction for energisation - orders issued - reg:-

- Read:-**
1. Application for issue of sanction for energisation after prolonged disconnection No. SJCET/SPVS/2017-18/01 dated 11/07/2018
 2. Completion report No. VEC/164/2018-19 received on 01/08/2018 of M/s.Voltamps Engg. Co., XXXIII/20A, Padivattom, Edappally
 3. Inspection conducted on 03/08/2018
 4. Previous Sanction Order No. B1-8313/15/EIK dated 23-06-2016

Order No. B1-6083/18/EIK dated 07/08/2018

Sanction under Section 54 of The Electricity Act, 2003 and Regulation 32 & 43(7) of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 is hereby accorded for energisation of the electrical installation covered under the Completion Report read as 2nd above and installed at the premises of M/s.St.Joseph's College of Engineering And Technology, Choondachery PO, Bharananganam, Pala, Kottayam with the following specifications subject to the conditions mentioned here under.

Conditions:-

1. Any addition or alteration to the existing installation shall be carried out only after getting prior written approval from this office.
2. The owner should rectify any defects that may be pointed out during subsequent inspection of the installation by the Deputy Electrical Inspector in Charge.
3. Date of energisation should be intimated to this office.
4. The maintenance of all major equipments should be carried out periodically as prescribed by the manufacturer and as per Indian Standard Specifications and a register shall be maintained for recording maintenance activity and periodic checking. The register shall be kept up to date and submitted for perusal during periodical inspection.
5. All the pre-commissioning tests shall be recorded for ready reference.
6. Only authorised person shall be in charge of the operation and maintenance of the installation.
7. Power allocation for additional loads, if necessary, should be obtained from KSEB/Licensee.

Specifications:-

Inverter

10kVA

Make :Sunny Tripower

Sl. No. : 2110542727



B54 HT/EHT

Government of Kerala
Department of Electrical Inspectorate
Office of the Electrical Inspector

Star Junction, M.C Road, Kottayam P.O, Kottayam-01
Phone:- 0481 2568878, Email:- elkottayam@gmail.com, elktrn@celkerala.gov.in



**Proceedings of the
Electrical Inspector, Kottayam**

(Present:- Vijayakumar N P)

Subject:- MV addition & Installation of one number 100 kWp solar system and connected electricians at the premises of M/s. St. Joseph's College of Engineering and Technology, Choondacherry, Bharananganam, Pala, Kottayam - Sanction for energisation - orders issued - reg:-

- Read:-**
1. Scheme approval No. B1-3718/17/EIK dated 15/07/2017
 2. Completion report No. Nil received on 23/10/2017 of M/s. Voltamps Engg. Co., XXXIII/20A, Padivattom, Edapally
 3. Inspection conducted on 02/11/2017
 4. Nonconformities reported under letter number B1-3718/17/EIK dated 06/11/2017
 5. Compliance report furnished under cover of letter No. Nil received on 26/02/2018 of M/s. Voltamps Engg. Co., XXXIII/20A, Padivattom, Edapally

Order No. B1-3718/17/EIK dated 01/03/2018

Sanction under Section 54 of The Electricity Act, 2003 and Regulation 32 of the CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 is hereby accorded for energisation of the electrical installation covered under the Completion Report read as 2nd above and installed at the premises of M/s. St. Joseph's College of Engineering and Technology, Choondacherry, Bharananganam, Pala, Kottayam with the following specifications subject to the conditions mentioned here under.

Conditions:-

1. Any addition or alteration to the existing installation shall be carried out only after getting prior written approval from this office.
2. The owner should rectify any defects that may be pointed out during subsequent inspection of the installation by the undersigned.
3. All the pre-commissioning tests shall be recorded for ready reference.
4. Electricity duty for the units produced from the solar energy system should be remitted to the government when demanded.
5. The whole installation should be in conformity with CEA (Technical Standards for connectivity of the distributed generation resources) Regulation, 2013 and KSERC (Grid interactive distributed solar energy systems) Regulation, 2014.
6. Consent from Licensee shall be obtained in case of grid tied system.

Specifications:-

Additional Connected Load: 55kW

Existing Connected Load: 1084.02 kW + 144 kVA + 80 kVAR + 22.1 kW(lift) + 3.7 kW(Fire) + 10 kVA(Solar)

Connected Load after addition: 1139.02 kW + 144 kVA + 80 kVAR + 22.1 kW(lift) + 3.7 kW(Fire) + 10 kVA(Solar) + 100 kVA(Solar)

Inverter

20kVA

Make : Delta

Sl. No. : RP1203FA0E0200