

GOVERNMENT OF TAMILNADU
ELECTRICAL INSPECTORATE

Web Site: www.tnei.tn.gov.in

PHONE: 0431-2960770

From
The Electrical Inspector,
10, N.M.Bungalow Road, (1st Floor)
T.V.S.Tollgate, Trichy -620 020.

To
The Secretary,
JJ College of Arts and Science,
Post Graduate Block, Sivapuram Post,
Pudukkottai - 622 422.

Letter. No.1062/ EI /TRY/A1/Solar Safety/ 2020, Dated: 17.08.2020

Sir,

Sub: Electricity – New **42.56 KW Grid connected Solar PV** system Installations - Voltage upto and inclusive of 650V at the premises of **M/s. JJ College of Arts and Science, Post Graduate Block, Sivapuram Post, Pudukkottai - (SC.No.06-183-007-100) -** Inspection on **17.07.2020** by Assistant Electrical Inspector under Regulation 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 – Permission to Commission the Equipments – Regarding.

Ref: 1. Your Letter No.Nil, dated: Nil, received on 6.07.2020 along with Completion report with inspection fees.
2. This office Lr.No.1062/EI/Trichy/AEI/R.32/SPP/DR/2020, dated 27.07.2020.
3. Your Lr.No.Nil, dated: Nil received on 31.07.2020.
4. This office Lr.No.1062/EI/Trichy/Solar/A1/2020-1, dated 14.08.2020.
5. Your Lr. dated: 14.08.2020.

Approval is hereby accorded under Regulation 32 of Central Electricity Authority (Measures relating to safety and Electric Supply) Regulation, 2010 to commission the New **42.56 KW Solar Power Generating Plant Electrical Installations** inspected on **17.07.2020** at the above premises as detailed in Annexure subject to complying with the following conditions:

1. The **42.56 KW SPV (solar roof-top)** should be connected to the TANGEDCO Grid only after obtaining specific permission from the TANGEDCO authority and complying with the terms and conditions of the supplier (TANGEDCO).Copy of Permission obtained from the TANGEDCO in this regard should be sent to this office.
2. The Solar grid Tied inverter should not under any circumstances run in islanding mode without the TANGEDCO Grid Supply.
3. The permission granted now ceases to be valid when the solar PV power plant arrangement is shifted / or modified from the above service connection.
4. The date of commissioning of the solar PV power plant should be intimated to this office, Superintending Engineer, TANGEDCO/PEDC/Pudukkottai, Executive Engineer, O&M /TANGEDCO/ Pudukkottai.
5. Under Regulation 46(7) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, the owner / consumer of the installation shall maintain and operate the installations in a condition free from danger and as recommended by the manufacturer or by the relevant codes of practice of the Bureau of Indian Standards.
6. Tax on Consumption or Sale of Electricity using solar generator supply should be remitted monthly at the concerned TANGEDCO office and return in form C2 sent to this office as per Tamil Nadu Tax on Consumption or Sale of Electricity Act,2003.


ELECTRICAL INSPECTOR,
TRICHY

Copy to: Thiru.K.Edamalai, M/s.Kannappan Electricals, 25A &A Complex, Bima Nagar, Trichy – 1.
Copy to: The Executive Engineer /O&M/TANGEDCO LTD/Pudukkottai.

EQUIPMENT DETAILS

17-08-2020

55 KW SOLAR ON GRID INVERTER**Inverter**

Make : SOLAREEDGE
 Serial number : SJ3119-07E16B851-9D
 MODEL : SE55K
 DC/Input voltage : 850 V
 AC/Output voltage : 400/230V
 Frequency : 50 Hz
 Vdc max : 1000 V
 Vdc MPP : 750 V - 1000V
 Maximum Output Power : 55000 VA
 Maximum Output Current : 80 A

Solar Panel

Make : WAAREE
 Type of module : MONO CRYSTALLINE
 Capacity of each module : 380 WATTS
 Number of modules : 112 NOS
 Total capacity of module : 42560WATTS
 Maximum power (P max) : 380 W
 Voltage at max power (Vmp) : 38.15 V
 Current at max power (Imp) : 9.70A
 Open Circuit Voltage (Voc) : 47.00 V
 Short Circuit Current (Isc) : 10.15A

DC Distribution

SPD : 1000V, 2 Pole

AC Distribution

Inverter Output MCCB : 125A, 4 Pole
 SPD : 320V, 4 Pole
 EB Input MCCB : 250A, 4 Pole

Cables

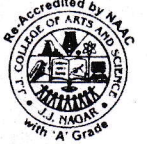
DC Cable : 1 Core 4 sq.mm & 1 Core 6 sq.mm
 MCB DB to Inverter : 1 Core 4 sq.mm
 Inverter to AC DB : 4 Run 1 Core 35 sq.mm Cu Cable, 1 Core 16 sq.mm Cu Earth Cable
 AC DB to EB : 3.5 Run 1 Core 95 sq.mm Al Cable, 1 Core 16 sq.mm Cu Earth Cable



02/08/20
 17/8/2020
 ELECTRICAL INSPECTOR
 TRICHY

J.J.COLLEGE OF ARTS AND SCIENCE (Autonomous)

(Affiliated to Bharathidasan University, Tiruchirappalli)
(Re-Accredited by NAAC with 'A' Grade)



J.J Nagar, Sivapuram Post,
Pudukkottai - 622 422.
04322 - 260103, 261801, 261802
Fax : 04322 - 260224

N. SUBRAMANIAN, B.Sc., L.L.B., P.G.D.B.A. (Aus)
Secretary

E- mail : jjcollege pdkt@gmail.com .website :www.jjcol.ac.in

Date :

Ref : 02.01.2020

To

M/s. Rivera Computers
15A, Thillai Nagar Main Road
Tiruchirappalli – 620 018

Sir,

Sub: Order placement – reg.
Ref: RIV/SOLAR/034/2019-20, Date: 24.10.2019.

We place an order for the following Solar on-Grid Package,

Sl.No.	Description	Amount
1.	55KW on-Grid Solaredge Inverter with 42560W Panels, DC Optimizer, DC Cable, Accessories, Structure and Installation Charges	22,95,000.00

Terms and Conditions:

- Payment:
 - First Advance 25% Rs. 5,73,750/- along with order
 - Second Advance 25% Rs. 5,73,750/- against the supply of material
 - Third Advance 25% Rs. 5,73,750/- during execution
 - Fourth Advance Rs. 5,00,000/- after commissioning
 - Fifth Advance Rs. 73,750/- Net meter
- Tax: Inclusive of all taxes
- Installation: Installation of Panels, Fabrication, On-Grid inverter will be done by us.
- Not in our Scope: Civil work, conduit material, distribution wiring and electrical works.
- Delivery: Within 4 to 8 weeks.
- Warranty:
 - 1 year for the total installed system
 - 12 years for on-grid inverter
 - 10 + 10 years for solar panels

Thanking you, *II Adr.*

PAID

Cash / Cheque No. *743358*
Rs. *573750* On *4.2.2020*

With regards

(N.Subramanian)

PAID
Cash / Cheque No. *743266*
Rs. *573750* On *02.01.2020*

PAID
Cash / Cheque No. *743492*
Rs. *573750* On *4.2.2020*

PAID **PAID**
Cash / Cheque No. *743724* / Cheque No. *743722*
Rs. *3L* On *7/7/20* / On *14/7*

PAID *Final*
Cash / Cheque No. *744179*
Rs. *73750* On *20.1.20*