



# Sadakathullah Appa College

\*An Autonomous Institution, Re-Accredited by NAAC at an 'A' Grade, \*ISO 9001 : 2015 Certified\*

## AQAR

(2020-2021)

### CRITERION VII

#### INSTITUTIONAL VALUES AND BEST PRACTICES

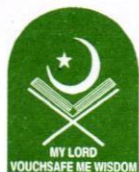
##### 7.1.2 FACILITIES FOR ALTERNATE SOURCE OF ENERGY

##### WHEELING TO THE GRID

*Submitted to*

THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)





# Sadakathullah Appa College

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## 7.1.2

**The Institution has facilities for alternate sources of energy and energy conservation measures**

### Wheeling to the Grid

The College has 60 kW roof-top solar power-generating panels and 6,800 units per month on average have been exported to the grid.



### **Total Units of Current Consumed in College**

Monthly current consumption by the College	– 13,200 units
Current generated by Solar Panel-I	– 2,320 units
Current generated by Solar Panel-II	– 2,240 units
Current generated by Solar Panel-III	– 2,240 units
Total Current generated by the three Solar Panels	– 6,800 units
Total annual power consumption	– 1, 58,400 units
Total Current generated by the three Solar Panels annually	– 81,600 units
Percentage of the total power consumption obtained from Solar	– 51.51%
Gross energy requirement through the grid per year	– 76,800 units

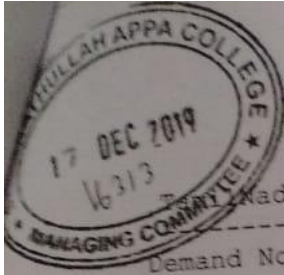


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25/07/22

**Principal**

**PRINCIPAL  
SADAKATHULLAH APPA COLLEGE  
Rahmath Nagar, TIRUNELVELI - 627 011.**



Tamil Nadu Generation And Distribution Corporation Ltd

Demand Notice for Solar-Roof-Top-Netmetering Dated-11.12.2019

Ack. No./ Reg. No. :1000701111192383 / 01111192383

Applicant Name :Principal

Address : Sadakathulla, 3f,738, Rahumath Nagar,

Palayankottai

Tariff :LM2B2

Also, the following registration charges may be paid before 15 days for further processing of the application.

DESCRIPTION	ACCOUNT HEAD	AMOUNT
Charges for changing of	61916	Rs. 1000
Estimate Charges (61904e)	61955	Rs. 10990
Shifting Charges (61904m)	61963	Rs. 1000
Testing Fees	61907	Rs. 75
CGST	46941	Rs. 96.75
SGST	46942	Rs. 96.75
Rounding Off	62948	Rs. .5
Total Amount		Rs. 13,259.00 **

\*\* Kindly note that Payment can be made at TANGEDCO counters / Online Portal: <https://www.tnebnnet.org/awp/login>.

For further details mail to : [tit472lee@tnebnnet.org](mailto:tit472lee@tnebnnet.org)

This is an auto generated email. Kindly do not reply to this mail.

Yes  
17/12/19

INVOICE

Original-Buyer's copy



No 13/143, Ground Floor, Vivekanandar Street  
Baskar Colony, Virugampakkam,  
Chennai-600 092  
Ph:+91 9884841461  
Email: Mahathemarketing@gmail.com

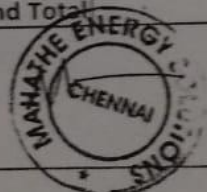
MAHATHE  
ENERGY SOLUTIONS

Invoice No : 117  
Invoice Date : 24/11/20  
GSTIN : 33AHMPY9595R1ZR

TO, THE SECRETARY,  
SADAKATHULLAH APPA COLLEGE  
RAHMAT NAGAR  
TIRUMANGALUR - 627011

S.No	Product Name	Qty	Unit Rate	Amount	
1	Make: Secure Model Premier 300 Description: Supply of Three phase four wire 240V,-/5A LTCT operated TOD DLMS compliance Static Energy meters of class 0.5s accuracy with bi-directional features	1	12,000.00	12,000.00	
HSN Code:90283010				Total	12,000.00
Account Name:Mahathe Energy Solution Bank Name:State Bank Of India Branch:Anna Nagar,Chennai Account No:62232353508 IFSC Code: SBIN0021094 Rupees(In words): Fourteen Thousand and OneHundred and Sixty Rupees only Declaration:We declare that this invoice show the actual price of the goods described and that all particulars are true and correct				IGST@18%	nil
				CGST@9%	1,080.00
				SGST@9%	1,080.00
				Other Charge	nil
				Grand Total	14,160.00

¥ 1270285



This is a Computer Generated Invoice

GOVERNMENT OF TAMILNADU  
ELECTRICAL INSPECTORATE

12 SEP 2019

Phone & Fax : 0462 2530343

e-mail : [eitn@tn.gov.in](mailto:eitn@tn.gov.in)

Visit : [www.tnei.tn.gov.in](http://www.tnei.tn.gov.in)

From  
The Electrical Inspector,  
B21/2, N.G.O. 'B' Colony,  
Jawahar Nagar,  
Tirunelveli - 627 007.

To  
M/s.Sadakathullah Appa College,  
Rahmath Nagar, Tirunelveli - 627 011.

Letter No. 2561A/EI/TIN/Reg 32/Solar/2019 Dated : 10-09-2019

Sirs,

Sub : Electricity - Solar PV Power Plant installations - Voltages upto and inclusive of 650V at the premises of M/s.Sadakathullah Appa College, Rahmath Nagar, Tirunelveli - 627 011. EB Service Connection No. 011-018-1184 - Inspection under Regulation 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 - Inspected on 05.09.2019 - Permission to Commission the 20kW Solar PV Power Plant Equipments - Regarding..

Ref : Your Letter No. Nil. Dated: Nil (Recd. on 05.09.2019).

Under Regulation 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, permission is hereby accorded to commission the 20kW Solar PV Power Plant as per the

	Solar PV Modules	Solar PV Grid Tied Inverter
Make	Tata Power Solar	GOODWE
Type / Model	--	SLNo. 9020KDTU187R0051
Capacity	320W-64Nos.	20kW, 400V

CONDITIONS

Subject to the following Conditions:

- 1) Reverse power relay protection should always be ensured for the TANGEDCO supply of the above Electrical Installation.
- 2) The permission granted now ceases to be valid when the Solar set / Diesel Generator set is shifted from the above service connection.
- 3) The date of commissioning of the Solar set should be intimated to this office, The Superintending Engineer, Tirunelveli Electricity Distribution Circle / TANGEDCO, Tirunelveli, The Executive Engineer O&M, Tirunelveli (Urban), TANGEDCO and Chief Electrical Inspector to Government, Chennai-32.
- 4) Tax on Consumption or Sale of Electricity using Solar & DG supply should be remitted monthly and returns sent to this office as per Tamil Nadu Tax on Consumption or Sale of Electricity Act.2003.

*[Signature]*  
10.09.2019  
Electrical Inspector (i/c)  
Tirunelveli

Copy to: Thiru.Seeni Energy Engineers, 57, Palaya Gramam Street, Cheranmahadevi, Tirunelveli - 627 414.

Copy to: The Superintending Engineer/ TANGEDCO LTD.,  
Tirunelveli Electricity Distribution Circle, Tirunelveli

Copy submitted to: The Chief Electrical Inspector to Govt., Chennai.

*[Handwritten initials]*  
10/9/19



# Sadakathullah Appa College

\*An Autonomous Institution Re-Accredited by NAAC at an 'A' Grade with a CGPA of 3.40 out of 4.0 \* ISO 9001: 2015 Certified \*

## 20KW Solar Meter Reading for the Month of August 2020

01.08.2020 to 30.08.2020

13,491 - 16,218 Units

Total Units : 2,727

*[Signature]*  
31/8/2020  
BURSAR

*[Signature]*  
31/8/20  
PRINCIPAL  
*[Signature]*



16730

# Sadakathullah Appa College

Rahmath Nagar, Tirunelveli - 627 011.

## SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of September 2020

01.09.2020 to 30.09.2020

16218 - 19167 Units

**Total Units : 2949**

*[Signature]*  
BUSAAR

*[Signature]*  
11/10/20  
PRINCIPAL

*[Signature]*  
2/2/20





01 OCT 2020  
16730

# Sadakathullah Appa College

Rahmath Nagar, Tirunelveli - 627 011.

## SUBMITTED TO THE SECRETARY


20KW Solar Meter Reading for the Month of September 2020

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BURSAR

  
PRINCIPAL

  
2/2/20



# Sadakathullah Appa College

Rahmath Nagar, Tirunelveli - 627 011.

## SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of September 2020

01.09.2020 to 30.09.2020

16218 - 19167 Units

**Total Units : 2949**

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BURSAR 20/20

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11/10/20  
PRINCIPAL



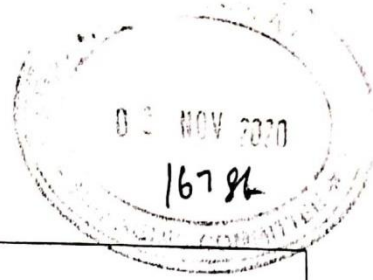
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SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of October 2020

01.10.2020 to 31.10.2020



19,167 - 22,226 Units

Total Units : 3,059

*[Handwritten Signature]*  
4/11/20  
BURSAR

*[Handwritten Signature]*  
3/11/20

*[Handwritten Signature]*  
2/11/20  
PRINCIPAL



# Sadakathullah Appa College

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SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of November 2020

01.11.2020 to 30.11.2020

22,226 - 24,424 Units

Total Units : 2,198

  
PRINCIPAL



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SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of January 2021


01.01.2021 to 31.01.2021

26,432 - 28,564 Units

Total Units : 2,132



  
PRINCIPAL  
2/2

  
4/2/21



# Sadakathullah Appa College

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SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of February 2021

01.02.2021 to 28.02.2021

28,564 - 31,512 Units

Total Units : 2,948

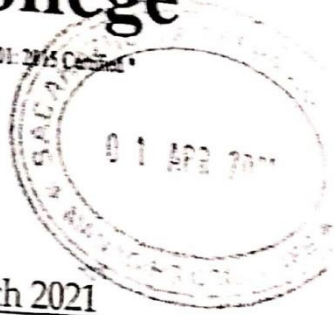
~~1~~  
4 | 3/21

S. HANU ANNA  
3-3-2021  
PRINCIPAL



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SUBMITTED TO THE SECRETARY

20KW Solar Meter Reading for the Month of March 2021

01.03.2021 to 31.03.2021

31,512 - 34,250 Units

Total Units : 2,738

~~PRINCIPAL~~  
11/4/21

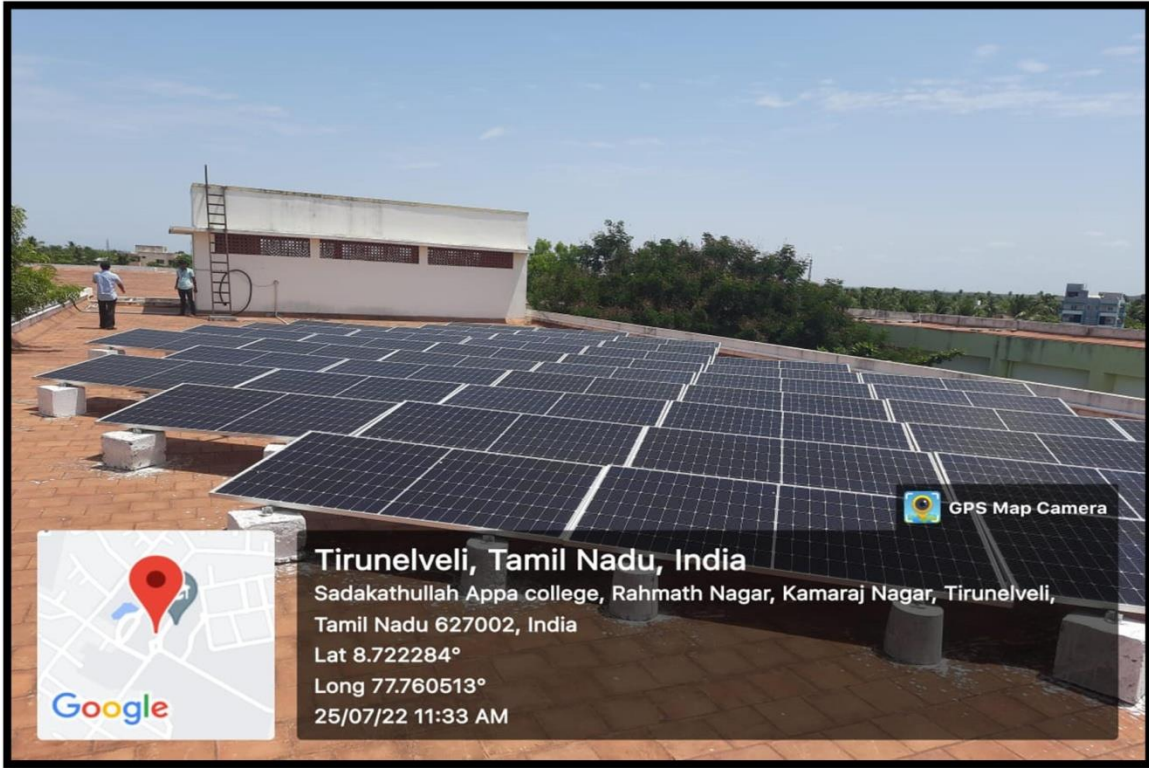
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## 20 kW Solar Meter Reading

06.03.2020	-	23.03.2020	-	1728 units
01.08.2020	-	30.08.2020	-	2727 units
01.09.2020	-	30.09.2020	-	2949 units
01.10.2020	-	31.10.2020	-	3059 units
01.11.2020	-	30.11.2020	-	2198 units
01.12.2020	-	31.12.2020	-	<del>2</del> 078 units
				<hr/>
				14,739 units.
				<hr/>



**Solar Panel installed on the terrace of the premises**



**Principal**

**PRINCIPAL  
SADAKATHULLAH APPA COLLEGE  
Rahmath Nagar, TIRUNELVELI - 627 011.**

