



# SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)

Accredited by NAAC

Phone Nos. 08674-273737, 273888, Mobile: +91 9848779121 Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

## 7.1.2.3 Wheeling to the Grid



*Grid tied arrangement for solar power*

**IQAC**

**PRINCIPAL**  
Seshadri Rao

Gudlavalleru Engineering College  
Seshadri Rao Knowledge Village  
Gudlavalleru - 521 356, Krishna District. A.P.



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## 7.1.2.3 Wheeling to the Grid

**Synchronization Report & Inspection Form for Releasing of Roof Top Solar Generating Unit**

A	Name of the Applicant	SRI AANM & V.V.R.S.R. Educational Society - Gudlavalluru
1	S.C. No.	V.145599
2	Category	HT-BA
3	District/Block	Kancharlam
4	Plot Number	-
5	Subarea	Kancharlam
6	Address	M/s AANM & V.V.R.S.R. Educational Society - Gudlavalluru Old Kraggalluru Engineering College, Gudlavalluru, Dist: Krishna, AP - 521 356
7	Mobile No.	929126597
B	Meter Details	
1	Meter Make	SECURE
2	Serial Number	AE41561
3	Capacity of each module	8.65A
4	Meter Constants	
5	meter reading (in vector parameters)	
6	CT Input	
7	CT Ratio	1000/5 (3PH) 50/5 (3PH)
8	Name of the laboratory where the meter is tested (copy of test results to be enclosed)	Enclosed
C	Grid Tie Inverter/Converter	
1	Make	Highcom
2	Serial Number	1100000
3	Capacity of each module	1000W
4	Input Voltage	230V
5	Output Voltage	230V
6	If Grid capacity factor, status of conductor (in sq. mm)	OK
D	SPV Module	
1	Make	Remon India Pvt Ltd
2	Serial Number	1000000
3	Capacity of each module	340W
4	Number of modules	1140
5	Total Capacity of the module	38760W
E	Details of protection system available (mandatory when the grid meter is available at the above)	Anti-islanding protection provided on output side of inverter.
F	Date of Synchronization	08/07/23 10:41 AM GMT +05:30



**GPS Map Camera**

Krishna, Andhra Pradesh, India Vijayawada, 922V+92W, Andhra Pradesh 521356, India

SR Gudlavalluru Engineering college, Sheshadri Rao Knowledge village,  
Gudlavalluru

Lat 16.352837°  
Long 81.04214°  
08/07/23 10:41 AM GMT +05:30

*Details of the roof top solar power plant of 390KWp capacity*

V.V.R.S.R.

IQAC






Principal

Seshadri Rao  
Gudlavalluru Engineering College  
Seshadri Rao Knowledge Village  
Gudlavalluru - 521 356, Krishna District. A.P.

**Synchronization Report & Inspection Format for Releasing of Roof Top Solar Generating Unit**

<b>A</b>	Name of the Applicant	M/s AANM & VVRSR Educational Society - Gudlavalleru
1	S/C No	VJA592
2	Category	HT-IIA
3	Distribution	Kavutarani
4	Pole Number	-
5	Section	Kavutarani
6	Address	M/s AANM & VVRSR Educational Society - Gudlavalleru, C/o Gudlavalleru Engineering College, Gudlavalleru, Krishna Dist, AP - 521 356
7	Mobile No	9701295551
<b>B</b>	<b>Meter Details</b>	
1	Meter Make	SECURE
2	Serial number	XE431561
3	Capacity of each module	8.69A
4	Meter Constant	
5	Initial reading (Tri vector parameters)	
6	i) Import	kWh: 0.000, kVAh: 0.000
7	ii) Export	kWh: 0.000, kVAh: 0.000
8	Name of the laboratory where the meter is tested (copy of test results to be enclosed)	Enclosed
<b>C</b>	<b>Grid Tie Inverter/Connector</b>	
1	Make	Ingotam
2	Serial number	Enclosed
3	Capacity of each module	100KW, 100KW, 100KW, 100KW
4	Input Voltage	1000V
5	Output Voltage	304V - 528V
6	If Grid supply fails, status of connector (on or off)	Off
<b>D</b>	<b>SPV Module</b>	
1	Make	Renewsys India Pvt Ltd
2	Serial number	Enclosed
3	Type of module	Polycrystalline
4	Capacity of each module	325Wp
5	Number of modules	1200 no.
6	Total capacity of the module	390 kWp
<b>E</b>	<b>Details of protective system available</b> (feasibility shall be given only on availability of the above)	Auto tripping breakers provided on output side of inverters ACDB (MDS, SURGE PROTECTION DEVICE), DCDB, LIGHTNING ARRESTOR, EARTHING SYSTEM
<b>F</b>	Date of Synchronization	

Encl: 1) Single Line Diagram of SPV generator, 2) Specification sheets of all equipment's

 Vendor Signature  
 PPSDCL  
 Engg. Consumer  
 EXECUTIVE ENGINEER  
 SECRETARY & CORRESPONDENT  
 METERS & PROTECTION-1  
 PPSDCL, VIJAYAWADA-4  
 GUDLAVALLERU  
 Sushilini Aswadhnanarayana Murthy  
 Murupalli Venkata Rama Seshadri Rao  
 Educational Society  
 GUDLAVALLERU



  
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# Andhra Pradesh Central Power Distribution Corporation Limited

Corporate Office, Beside Govt. Polytechnic, ITI Road, Vijayawada-520008

## HT-CC BILL CUM NOTICE

H.T. Bill for the month of: JUN - 2023

Dated: 05-JUN-2023

Bill No: 2301863441

Payable on or before	20-JUN-2023 ✓	Consumer No : VJA592
Disconnection Date	05-JUL-2023 ✓	A.A.N.M & V.V.R.S.R.
Contracted MD(KVA)	450.00	EDUCATION SOCIETY
Voltage(KV)	11 (COMM-FEEDER)	GUDLAVALLERU
Category	2A1	KRISHNA DIST.

	KWH	KVAH	KVA	PF	TOD	SOLAR
Reading On :01-MAY-2023	2582143.00 ✓	2663772.00 ✓	363.600 ✓	0.97 ✓	-T1: 0.00	538965.00
Reading On :01-JUN-2023	2627314.00 ✓	2710483.00 ✓			+T2: 0.00	548597.00
Difference	45171.00 ✓	46711.00 ✓			-T3: 0.00	9632.00
Multiplying Factor	1.00	1.00	1.00		T4: 0.00	1.00
Total Consumption	45171.00 ✓	46711.00 ✓	363.60		+T5: 9452.00	9632.00
Main Consumption	46711.00 ✓	Colony	0.00		T6: 0.00	

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs. 475.00	363.60	172710.00 ✓
Energy Charges	Rs. 7.65	(46711 - 9632) → 37079.00	283654.35 ✓
TOD Charges	(9452* 1)		9452.00 ✓
Electricity Duty	Rs. 1.00 for	37079.00	37079.00 ✓
True-Up Charges (11/36)	Rs. 0.22	136153.00	29953.75 ✓
Grid Support Charges	Rs. 15(Rooftop Solar Plant)	(INST-CAP) 450.00	6750.00 ✓
FPPCA Charges (MAY-21)	Rs. 0.201	9000.00	1809.00 ✓
FPPCA Charges (APR-23)	Rs. 0.4	52146.00	20858.40 ✓

Arrears as on 31-05-2023			
	Rs	C.C.Charge	Surcharge
Court Cases	0.00	0.00	0.00
Others	0.00	0.00	0.00
Total	0.00	0.00	0.00

Last Paid Amount Rs. 525253.00(18-MAY-2023)

*Grid improvement in Pt after installation of automatic pf controller.*  
*Done 12/06/23*  
*(15700 units)*

Sub Total	562266.50 ✓
Customer Charges	1406.00 ✓
Late Payment Charges	0.00
Interest On ED	0.00
Voltage Surcharge	0.00
Wheeling Charges	0.00
Other Charges	0.00
Transformer Hire Charge	0.00
ACD Surcharge	0.00
Round Amount	0.50 ✓
Net Bill Amount	563673.00 ✓
Total Amount Payable	563673.00 ✓

Rupees Five Lakh Sixty Three Thousands Six Hundred Seventy Three Only

Note:  
 PAY YOUR BILL THROUGH THE SBI A/C No : 62352137433  
 GANDHINAGAR, VIJAYAWADA  
 IFSC CODE : SBIN0020169

Senior Accounts Officer OP. CIRCLE

Note:- W.E.F 01.10.2020,U/s 206C(1H) of Income Tax Act,TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt.For details contact SAO.

Note 1:- Asking Bribe? - Call 14400.



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# Andhra Pradesh Central Power Distribution Corporation Limited

Corporate Office, Beside Govt. Polytechnic, ITI Road, Vijayawada-520008

## HT-CC BILL CUM NOTICE

H.T. Bill for the month of: **MAY - 2023**

Dated: **05-MAY-2023**

Bill No: **2301845274**

Payable on or before	<b>20-MAY-2023</b>	Consumer No : <b>VJA592</b>
Disconnection Date	<b>05-JUN-2023</b>	<b>A.A.N.M &amp; V.V.R.S.R.</b>
Contracted MD(KVA)	<b>450.00</b>	<b>EDUCATION SOCIETY</b>
Voltage(KV)	<b>11 (COMM-FEEDER)</b>	<b>GUDLAVALLERU</b>
Category	<b>2A1</b>	<b>KRISHNA DIST.</b>

	KWH	KVAH	KVA	PF	TOD	SOLAR
Reading On :01-APR-2023	2536523.00 ✓	2611626.00	335.600	<b>0.87</b>	-T1: 0.00	524592.00
Reading On :01-MAY-2023	2582143.00 ✓	2663772.00			+T2: 0.00	538965.00
Difference	45620.00	52146.00 ✓			-T3: 0.00	14373.00
Multipling Factor	1.00	1.00	1.00		T4: 0.00	1.00
Total Consumption	45620.00	<b>52146.00</b>	335.60		+T5: 10218.00	<b>14373.00</b>
Main Consumption	52146.00	Colony	0.00		T6: 0.00	

	RATE	KVA/UNITS	AMOUNT Rs.
Demand Charges Normal	Rs. 475.00	360.00	171000.00 ✓
Energy Charges	Rs. 7.65	52146.00	398916.90 ✓
TOD Charges	(10218* 1)		10218.00 ✓
Electricity Duty	Rs. 1.00 for	52146.00	52146.00 ✓
Electricity Duty(Solar)	Rs. 1.00 for	14373.00	14373.00 ✓
True-Up Charges (10/36)	Rs. 0.22	136153.00	29953.75 ✓
Grid Support Charges	Rs. 15(Rooftop Solar Plant)	(INST-CAP) 450.00	6750.00 ✓
FPPCA Charges (APR-21)	Rs. 0.201	15478.00	3111.08 ✓

Arrears as on 30-04-2023				Sub Total	686468.73 ✓
		C.C.Charge	Surcharge	Customer Charges	1406.00 ✓
Court Cases	Rs	0.00	0.00	Late Payment Charges	0.00
Others	Rs	0.00	0.00	Interest On ED	0.00
Total	Rs	0.00	0.00	Voltage Surcharge	0.00
Last Paid Amount Rs. 630261.00(18-APR-2023)				Wheeling Charges	0.00
				Other Charges	0.00
				Transformer Hire Charge	0.00
				ACD Surcharge	0.00
				<b>Solar Adjust (14373 * 4.60)</b>	<b>-66115.80 ✓</b>
				Round Amount	0.07 ✓
				Net Bill Amount	621759.00 ✓
				<b>Total Amount Payable</b>	<b>621759.00 ✓</b>

Rupees Six Lakh Twenty One Thousands Seven Hundred Fifty Nine Only

Note:

PAY YOUR BILL THROUGH THE SBI A/C No :62352137433

Senior Accounts Officer OP. CIRCLE

GANDHINAGAR, VIJAYAWADA

IFSC CODE : SBIN0020169

Note:- W.E.F 01.10.2020,U/s 206C(1H) of Income Tax Act,TCS at applicable rates will be charged on your payments exceeding Rs.50Lakh during the year and remitted to Govt.For details contact SAO.

Note 1:- Asking Bribe? - Call 14400.

Note 2:- ACD 30 days Notice issued on 20-04-2023

Note 3:- Net ISD Rs.96506.00 Credited in APR-2023

*Handwritten signature/initials*

*Handwritten note: Interest on 100KVAR Automatic PF correction equipment as stated.*

*Handwritten calculations:*  
6,21,759.00  
96,506.00  
5,25,253.00

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