



Nallamuthu Gounder Mahalingam College

(An Autonomous Institution, Affiliated to Bharathiar University)

90, Palghat Road, Pollachi - 642001, Coimbatore, Tamil Nadu, India.

95th Rank in NIRF – 2023 among Colleges in India.



Metric: 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar Energy 2. Biogas Plant 3. Wheeling to the Grid
4. Sensor-Based Energy Conservation 5. Use of LED Bulbs/ Power Efficient Equipment
6. Wind Mill or any other clean green energy

Wheeling to the Grid

Sl. No	Alternate Sources of Energy and Energy Conservation Measures	Page No.
1.	Wheeling to the Grid	
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7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures.

Wheeling to the Grid

Wheeling to the grid is done to transmit the excess electrical energy from the Grid located in the college to the Tamil Nadu Electricity Board. This process supports sustainability and also generates revenue for the institution.

Verification by the Energy Auditor



Criteria: **VII : Institutional Values and Best Practices**

PRINCIPAL
N.G.M. COLLEGE, POLLACHI

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Details of Total Amount of Savings through Solar – Wheeling to the Grid

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(AUTONOMOUS AND AFFILIATED TO BHARATHIAR UNIVERSITY)
Re-Accredited by NAAC
An ISO 9001 : 2015 Certified Institution
Aided by the Government of Tamil Nadu
POLLACHI - 642 001.
E-Mail : ngm@ngmc.org
Phone : 04259 - 234866, 234870
Mobile : 99429 06687
Fax : 04259 - 234869
E-Mail : ngm@ngmc.org
DATE: 12/03/24

Unit Consumption Details
The details of Solar Units produced in the Institution

Month & Year	Solar Units Produced	Export Units	Export Unit Cost	Solar Unit Cost Savings Per Month (Rs.)
April' 23	6286.60	-	-	81449.19
May' 23	8717.70	-	-	120539.64
June' 23	230.90	-	-	3191.04
July' 23	3995.70	-	-	54868.95
Aug' 23	11786.30	-	-	166941.15
Sept' 23	12244.60	-	-	171265.22
Oct' 23	11737.40	1501	5059.00	168370.53
Nov' 23	9623.70	1689	5694.00	140528.36
Dec' 23	9228.50	1747	5888.00	128659.42
Total				1035813.50

Electrical Engineer
Manager - Administration
Principal
PRINCIPAL
N G M COLLEGE, POLLACHI

Criteria: **VII : Institutional Values and Best Practices**

PRINCIPAL
N G M COLLEGE, POLLACHI

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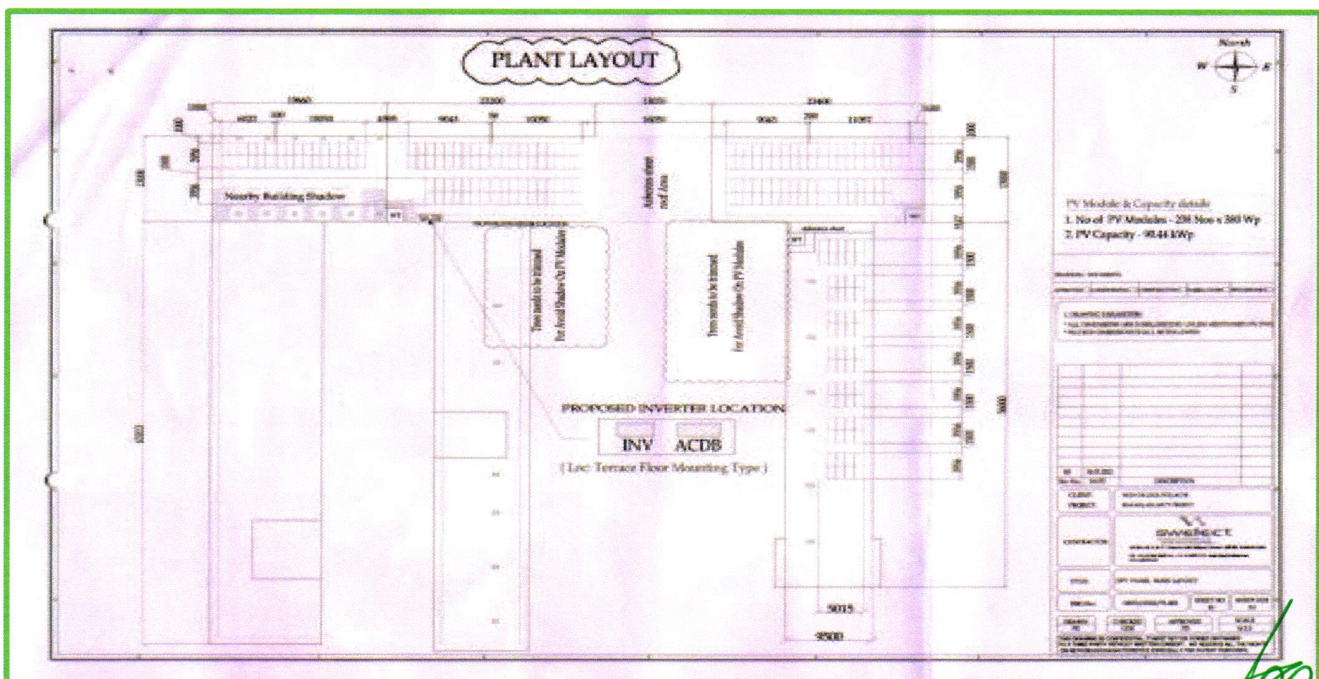


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Array Layout and Single Line Diagram of 90.44 KW



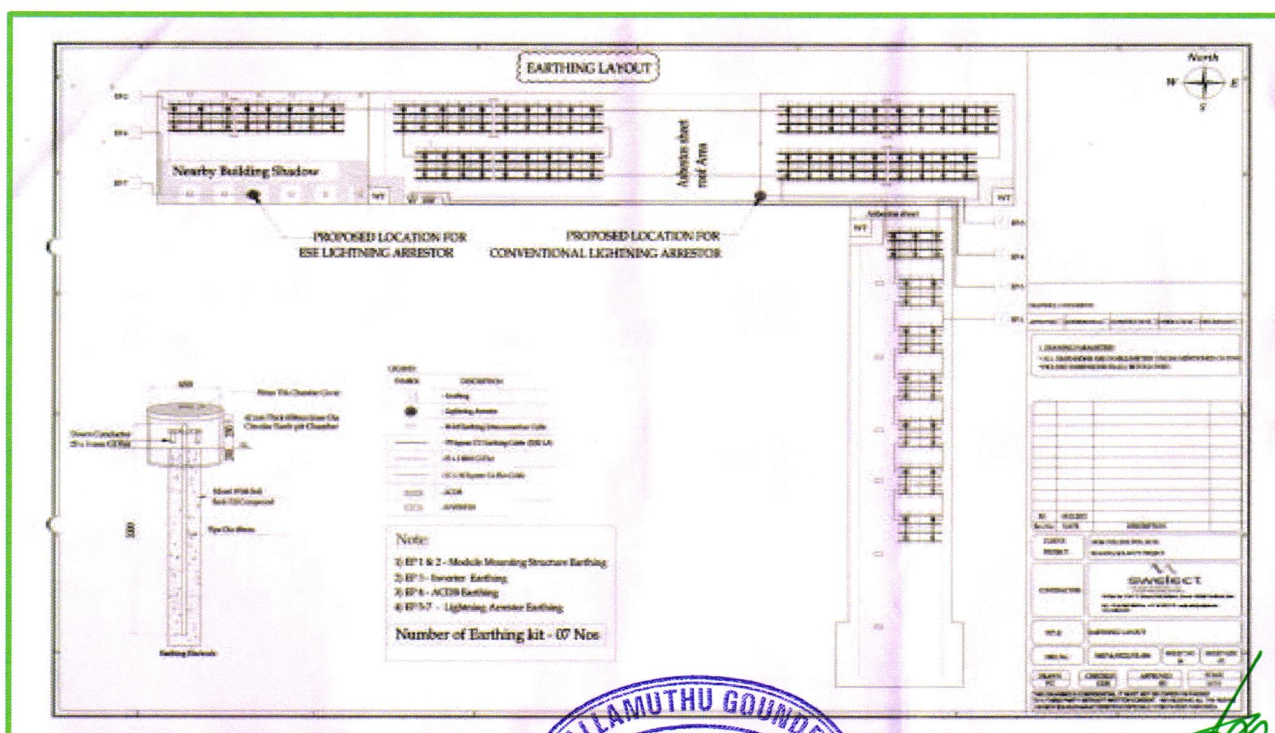
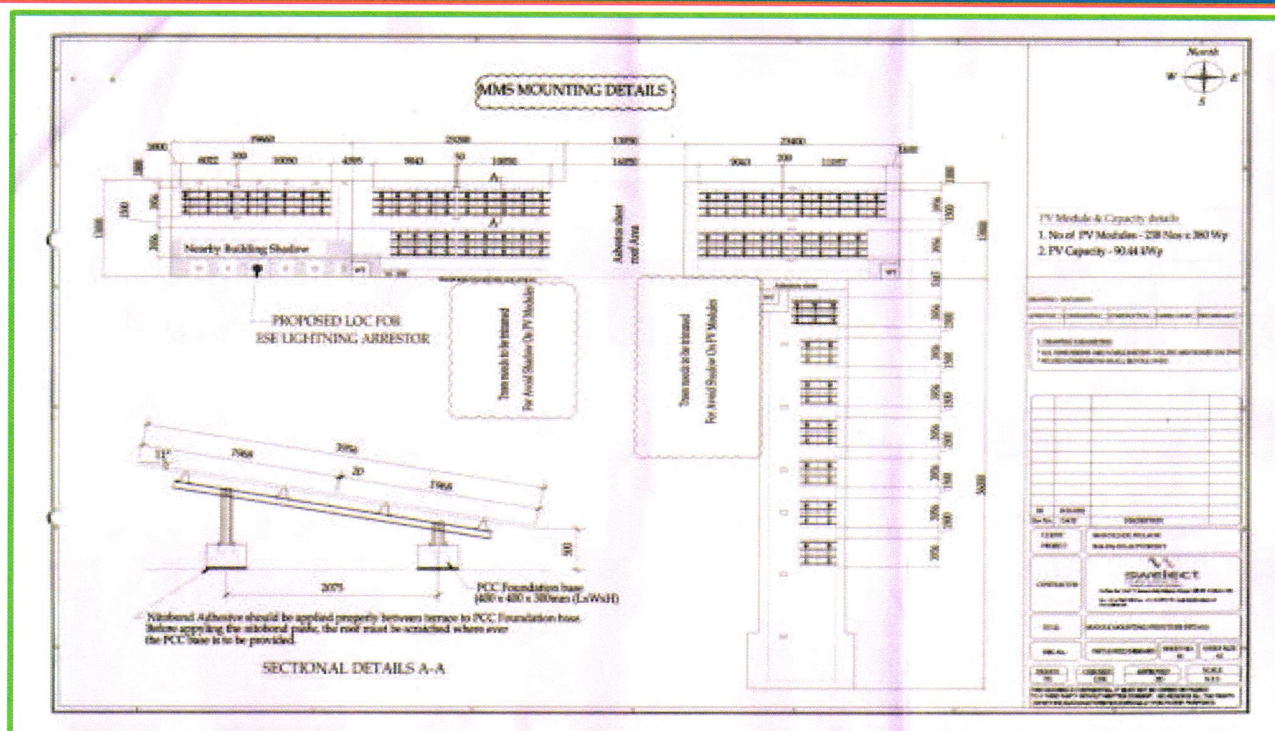
Dr. R. MUTHUKUMARAN,
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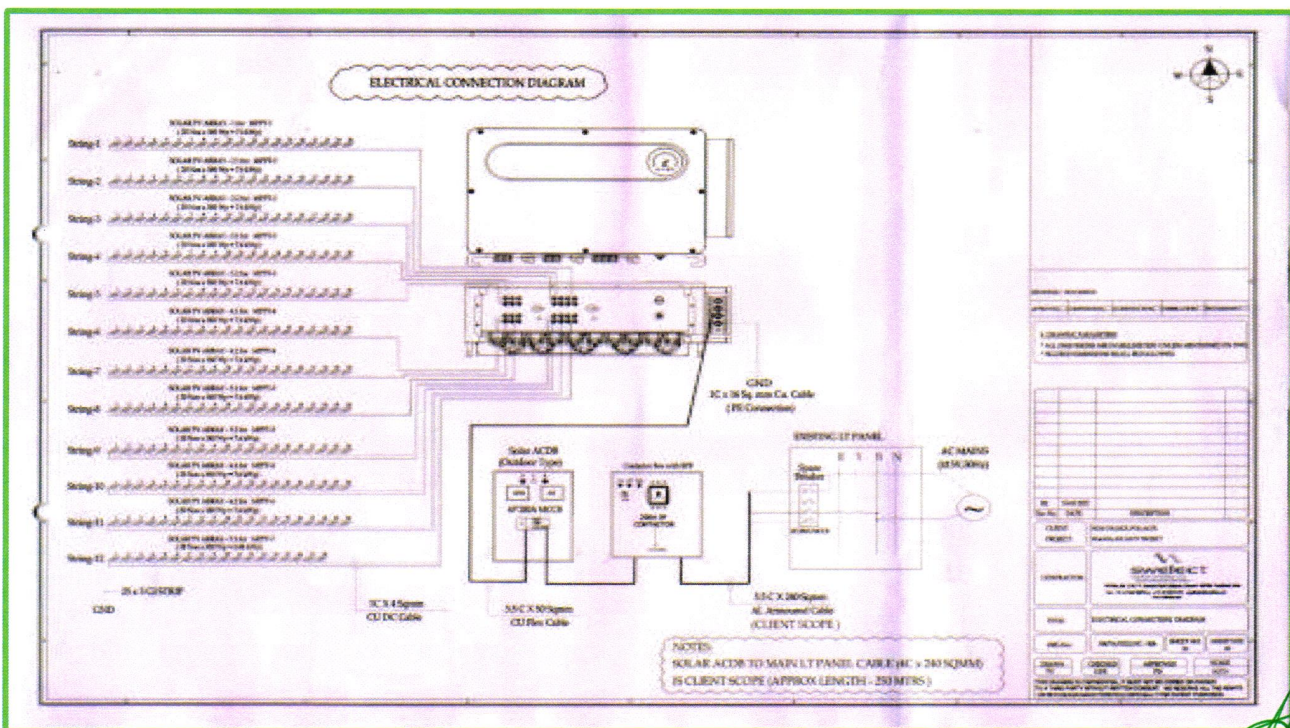
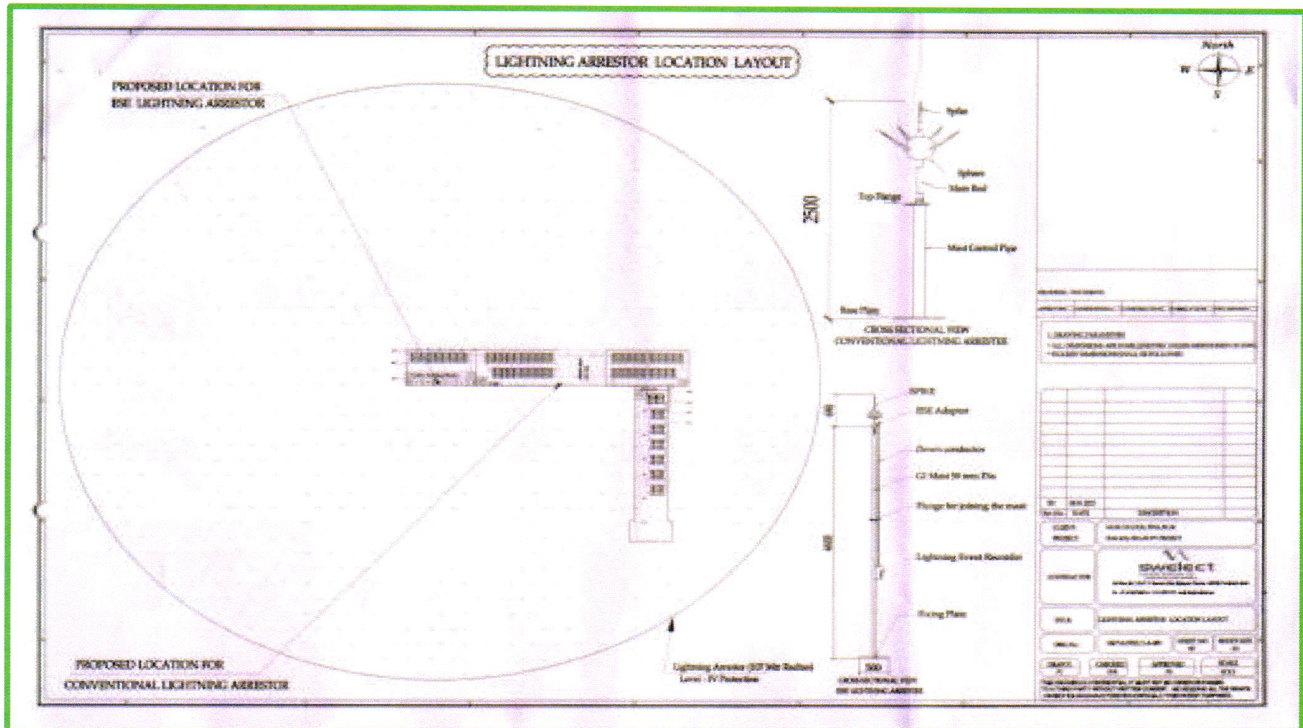


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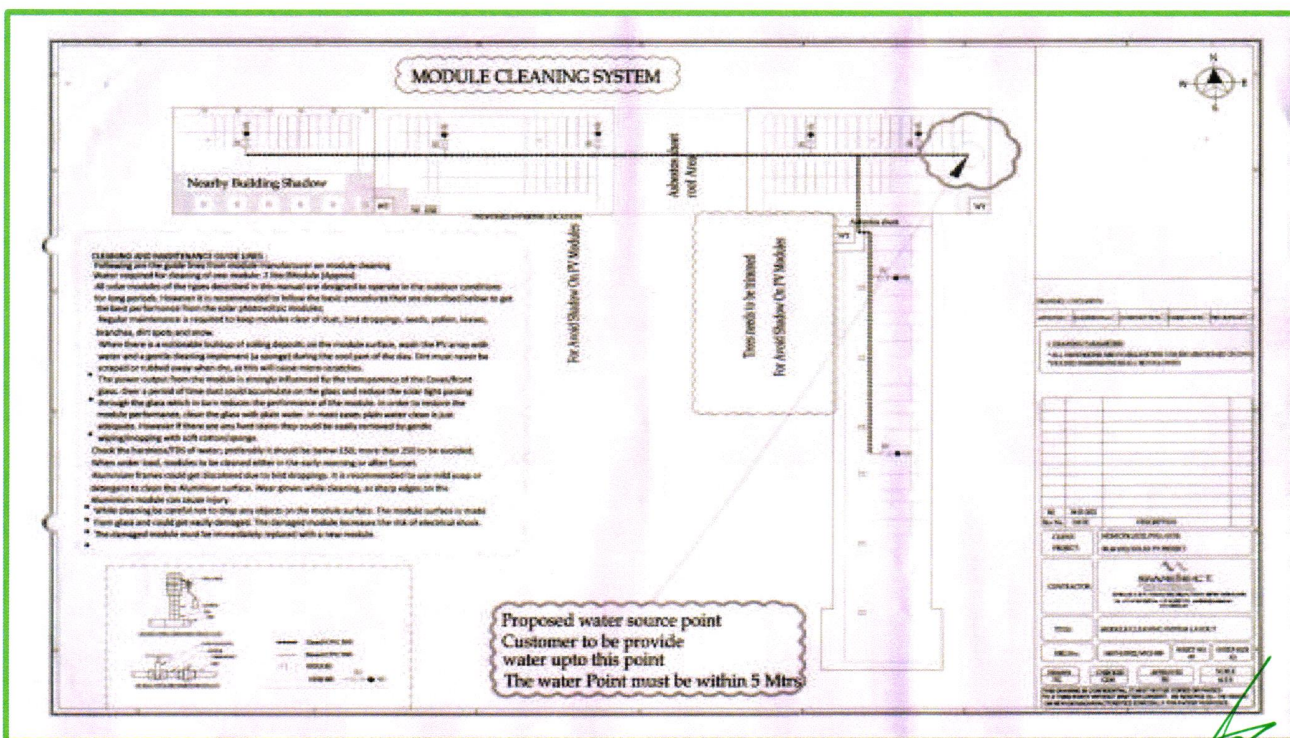
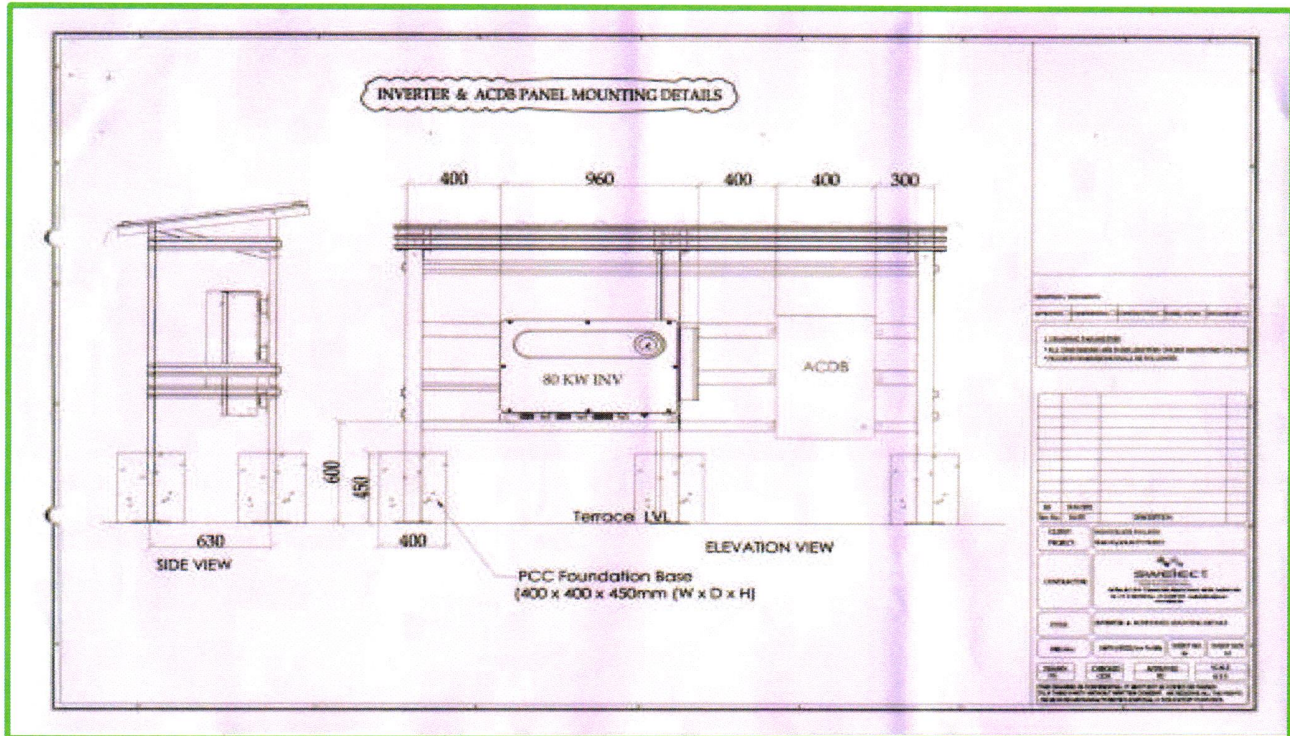


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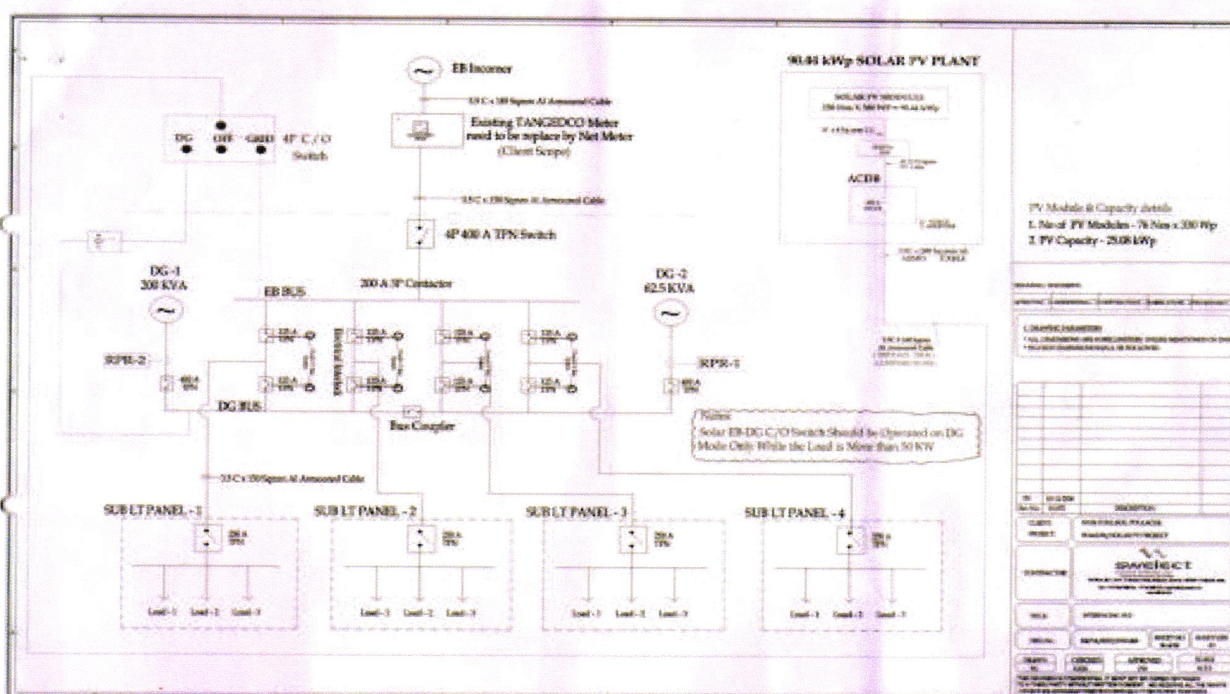
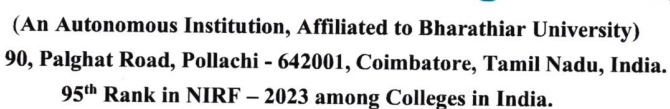
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- 7.1.2 The institution has facilities for alternate sources of energy and energy conservation measures.
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 5. Use of LED bulbs/power efficient equipment

Permission Document for connecting to the Grid

தமிழ்நாடு தமிழ்நாடு TAMILNADU
18.4.23

இந்தக் காகிதம்
சுருத்தி எழுதல்

Annexure-H

Grid interactive Solar PV Energy Generating System (GISS) - Agreement

This Agreement is made and entered into at COIMBATORE on this 17th day (MONDAY) of APRIL between The Eligible Consumer/ Prosumer /Generator, THE PRINCIPAL residing at N.G.M.COLLEGE, PALAKKAD ROAD, POLLACHI as first party and 007-PALAKKAD ROAD distribution Licensee (here in after called as TANGEDCO) and having its registered office at 386-TOWN/POLLACHI as second party of the agreement and whereas, the TANGEDCO agrees to permit to connect the eligible consumer's/prosumer's/generator's GISS of Contracted capacity of 90440 Watts at the premises of N.G.M.COLLEGE, PALAKKAD ROAD, POLLACHI and as per conditions of this agreement and regulations/orders issued by the Tamil Nadu Electricity Regulatory Commission, from time to time for Net Metering Mechanism.





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Both the party here by agrees to as follows:

1. Eligibility

1.1 Eligibility for Net Metering / Net Feed-in / Gross Metering shall be as specified in the relevant Regulations / Codes / Orders of the Tamil Nadu Electricity Regulatory Commission as amended. Eligible consumer / Prosumer / generator is required to be aware, in advance, of the standards and conditions with which his system has to operate safely with coupled integration with the grid / distribution system of the TANGEDCO.

2. Technical and Interconnection Requirements

2.1 The eligible consumer/Prosumer/generator agrees that his GISS plant /station shall conform to the standards and requirements specified in the following Regulations and codes as amended from time to time

(i) CEA's(Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013

(ii) Central Electricity Authority (Installation and Operation of Meters) Regulation 2006

(iii) Central Electricity Authority (Measures of Safety and Electric Supply) Regulation, 2010.

(iv) Tamil Nadu Electricity Regulatory Commission's (Grid interactive Solar PV Energy Generating Systems) Regulation, 2021

(v) Tamil Nadu Electricity Distribution Code

(vi) Tamil Nadu Electricity Supply Code.

2.2 Eligible consumer/Prosumer/generator agrees that he has installed or will install, prior to connection of GISS to TANGEDCO's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the TANGEDCO to have access to and operation of this, if required and for repair & maintenance of the distribution system.

2.3 Eligible consumer/Prosumer/generator agrees that in case of a power outage on TANGEDCO's system, GISS will shut down, automatically and his plant will not generate power.

2.4. All the equipment connected to distribution system must be compliant with relevant international (IEEE/IEC) or Indian standards (BIS) and installations of electrical equipment protective devices, earthing standard etc., must comply with Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010 as amended from time to time.



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2.5 Eligible consumer/Prosumer/generator agrees that Licensee will specify the interface/interconnection point and metering point.

2.6 Eligible consumer/Prosumer/generator and Licensee agrees to comply with the relevant CEA regulations in respect of operation and maintenance of the plant, drawing and diagrams, site responsibility schedule, harmonics, synchronization, voltage frequency, flicker etc.,

2.7 Due to TANGEDCO's obligation to maintain a safe and reliable distribution system, eligible consumer/Prosumer/generator agrees that if it is determined by the TANGEDCO that eligible consumer's/ Prosumer's/generator's GISS either causes damage to and/or produces adverse effects affecting other consumers or TANGEDCO's assets, eligible consumer/Prosumer/generator will have to disconnect his GISS immediately from the distribution system upon direction from the TANGEDCO and correct the problem at his own expense prior to a reconnection.

2.8 Both parties of this agreement are mandated by the Tamil Nadu Electricity Regulatory Commission's (Grid Interactive Solar PV Energy Generating Systems) Regulation, 2021 and all relevant regulations, codes and orders of the Tamil Nadu Electricity Regulatory Commission.

3. Clearances and Approvals

3.1 The eligible consumer/Prosumer/generator agrees to obtain all the necessary approvals and clearances (environmental and grid connected related) before connecting the GISS to the distribution system.

4. Access and Disconnection

4.1 TANGEDCO shall have access to metering equipment and disconnecting devices of GISS, both automatic and manual, at all times.

4.2 In emergency or outage situation, where there is no access to a disconnecting means, both automatic and manual, such as a switch or breaker, TANGEDCO may disconnect service to the premises.

4.3. Upon termination of this agreement the eligible consumer/Prosumer/generator shall disconnected the solar system forthwith from the network of the TANGEDCO.

5. Liabilities

5.1 Eligible consumer/Prosumer/generator and TANGEDCO will indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of GISS or TANGEDCO's distribution system.



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5.2 TANGEDCO and eligible consumer/Prosumer/generator will not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.

5.3 TANGEDCO shall not be liable for delivery or realization by eligible consumer/prosumer/generator for any fiscal or other incentive provided by the Central/State government beyond the scope specified by the Commission in its relevant Order.

6. Commercial Settlement

6.1 The feed - in tariff contracted to be paid by the TANGEDCO to the eligible consumer/ prosumer / generator under this agreement byMetering mechanism is Rs..... (Rupees.....)as per the order of the TNERC, Number 8/2021 Dated 22.10.2021.

6.2 Metering System, Billing and all other charges and the commercial settlement under this agreement shall be as per the regulations / codes / orders of TNERC amended from time to time.

6.3. TANGEDCO shall not be liable to compensate the eligible consumer/ prosumer/ generator if his solar system is unable to inject power into TANGEDCO's network on account of failure of power supply in the grid.

7. Connection Costs

7.1 The eligible consumer/ prosumer / generator shall bear all costs related to setting up of photovoltaic system including metering and interconnection and infrastructure for power evacuation costs.

7.2. The eligible consumer/ prosumer / generator agree to pay the actual cost of modifications and upgrades to the service line/power evacuation line required to connect GISS in case it is required.

7.3. In case of gross metering arrangement, the eligible consumer/ generator shall bear entire cost of erection and maintenance of separate service line to be laid to evacuate its total generated power into the grid.

8. Period of Agreement and Termination

8.1. This agreement shall be for a period of twenty five years, but may be terminated prematurely by mutual consent.

8.2 The eligible consumer / prosumer/ generator can terminate agreement at any time by providing TANGEDCO with 90 days prior notice.

x



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8.3 TANGEDCO has the right to terminate agreement on 30 days prior written notice, if eligible consumer/prosumer/generator breach Eastern month is agreement and does not remedy the breach within 30 days of receiving written notice from TANGEDCO of the breach.

8.4. 4. TANGEDCO has the right to terminate agreement after giving 15 days' notice in case the eligible consumer /prosumer/ generator fails to pay his dues in a timely manner or indulges in any malpractices.

8.5 Eligible consumer / prosumer/ generator agrees that upon termination of this agreement, he must disconnect the GISS from TANGEDCO's distribution system in a timely manner and to TANGEDCO's satisfaction.

In the witness, where of D. NAVEEN KUMAR for and on behalf of

THE PRINCIPAL (Eligible consumer / prosumer/ generator) and Mr. -----
for and on behalf of (TANGEDCO) sign this agreement in two originals.

Service connection Number: 03-386-007-123

Eligible Consumer: THE PRINCIPAL

N.G.M. COLLEGE,
PALAKKAD ROAD,
POLLACHI.

Assistant/Junior Engineer

Designation

WITNESS ADDRESS:

D. NAVEEN KUMAR
S/O DURAISAMY,
8/206,
NALLIGOUNDEMPALAYAM,
PUDUPALAYAM, AVINASHI,
TIRUPPUR-641 654



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GOVERNMENT OF TAMILNADU ELECTRICAL INSPECTORATE

From
The Electrical Inspector,
Coimbatore / South,
Corporation Commercial Complex
Dr.Nanjappa Road, Coimbatore-18

To
M/s. Nallamuthu Gounder Mahalingam
College,
90, Pollachi Palaghat Road,
Pollachi, Coimbatore-642 001.

Letter No. 1814/EI/CBE (S)/Solar/Reg-32/2022 dated: 27.03.2023

Sir,

Sub: Electricity - MV Solar installation- Voltage upto & inclusive of 650V at M/s. Nallamuthu Gounder Mahalingam College, 90, Pollachi Palaghat Road, Pollachi, Coimbatore-642 001. (L.T SC No: 03386007123). - Inspection under Regulation 32 of CEA (MSES) Regulations 2010 on 18.10.2022 - Permission to commission (1X80KW) Solar PV Power Plant Equipment-Reg.

- Ref: 1.Your Letter No.Nil, dated :07.10.2022 received along with completion report.
2. Inspection on 18.10.2022
3. This Office Letter No:1814/EI/CBE(South)/Solar/R32/2022, Dt:20.10.2022
4. Your Letter No:Nil,dated:03.03.2023 received on 20.03.2023 along with Rectification report.

Under Regulation 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, permission is hereby accorded to commission the (1X80KW) inspected on 18.10.2022 at the above premises as detailed below

SOLAR MODULE	
Make :	HHV Solar
Module Wattage:	380Wp
No.Of Modules:	238 No's
Capacity :	238X380W=90.44KW

SOLAR GRID INVERTERS	
Make	Growatt
Serial No.	XZG5BG1003
DC Input voltage	1100V
AC output voltage	480V
Rating	80KW



1



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subject to the following Conditions:

1. The Solar Power Generator and equipments should meet the requirements specified in Technical Standards for connectivity of the Distributed Generation Resources Regulation 2012 of Central Electricity Authority.
2. The Operation and maintenance of solar power Generator including all accessories and apparatus are solely the responsibility of the consumer.
3. The automatic isolation of the SPV should be ensured for, no grid supply and low or over voltage conditions and within the required response time.
4. Adequate safety measures should be provided to prevent battery power/Diesel Generator Power/Backup Power back feeding to TANGEDCO's LT OH lines.
5. The permission granted now ceases to be valid when the Solar plant is shifted from the above service connection.
6. The date of commissioning of the Solar Power Plant should be intimated to this office, Superintending Engineer TANGEDCO/South and Chief Electrical Inspector to Govt., Chennai-32.
7. Tax on consumption or sale of Electricity using Solar Power Plant should be remitted monthly at TANGEDCO and returns sent to this office as per Tamil Nadu Tax on Consumption or sale of Electricity Act 2003.



[Signature]
27/5/23
Electrical Inspector
Coimbatore (South)

Copy to : M/s. Vinpower Engineers & Associates, No:1, Shree Murugan Complex, 2nd Floor, 78D, Nachiappa Street-1, Erode-638001.

Copy to : The Superintending Engineer /TANGEDCO Ltd/UEDC

2



[Signature]
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SERVICE DETAILS

04/04/23, 7:58 PM

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Home

CONSUMER NAME: THE PRINCIPAL

CONSUMER NUMBER: 63386007123

REGION	03-Coimbatore	PHASE	3	SLAB RATE
UTICLE	434-Umudupet	LOAD	150 KW	
SECTION	386-Town / Pollachi	TAP/F	LM2B2	
DISTRIBUTION	007-Palakkad Road	METER NUMBER	12329118	
SERVICE NUMBER	123	ACCP AS ON Data/ RD Available for Refund or Adj. (Rs.)	56563 / NIL	
ADDRESS	N.G.M.COLLEGE, PALAKKAD ROAD, POLLACHI.	MCD AS ON Data/ MCD Available for Refund or Adj. (Rs.)	6500 / 0	
SERVICE STATUS	LIVE	SERVICE CATEGORY	OTHERS	
AADHAR	Link your Aadhar			

Goes To Be Paid Details

Bill Month/Year	Acct. Description	Amount	Due Date	Description
3 2023	23190-Cc Charges	285713	17-04-2023	CC CHARGE
	Total:	285713		PAY ONLINE

Monthly Consumption Charge Collection Details

Assessment Date	Assessment Entry Date	KVAH Reading	KVAH reading	Maximum Demand	Power Factor	Consumed Unit	CC Charges (Rs.)	ETAX (Rs.)	WD (Rs.)	EDC/DPF (Rs.)	FC (Rs.)	Total (Rs.)	Assessed Amount (Rs.)	Advance Amount (Rs.)	Adjustment Amount (Rs.)	Total Due Amount (Rs.)	Due Date For payment	Amount Paid	Receipt No		
28/03/2023	28/03/2023	51944.80	51742.22	117.8	.8	21350.4	19045.37	12787.38	0	0	0	82500	95267.38	285713	0	0	285713	17/04/2023	0		
27/02/2023	27/02/2023	50513.54	50325.15	89.51	.78	17034	151563.70	10672.14	0	0	0	82500	92575.14	244515	2093/2023	0	0	244515	20/03/2023	247231	CBU387A1Q1
30/01/2023	31/01/2023	51253.14	48991.6	98.8	.77	19263.8	171262.12	11318.61	0	0	0	82500	91818.61	263212	2002/2023	0	0	263212	20/02/2023	265231	CBU387A1Q3
28/12/2022	28/12/2022	50687.08	48608.4	104.36	.76	16675.2	168826.16	10338.81	0	0	0	82500	92638.81	241655	15/12/2022	0	0	241655	15/01/2023	241655	CBU387A1Q1
29/11/2022	29/11/2022	50783.14	48295.93	102.48	.81	23618	210772.8	13371.14	0	0	0	82000	90871.14	306844	19/12/2022	0	0	306844	19/12/2022	306844	CBU387RS1Q
28/10/2022	07/11/2022	50533.54	47631.64	116	.76	18806.6	178800.66	12036.03	0	0	0	82500	94530.03	271331	18/11/2022	0	0	271331	18/11/2022	271331	CBU387A1Q3
27/09/2022	28/09/2022	50027.4	47438.4	92.24	.78	20995.2	173783.30	11007.42	0	0	0	79760	86787.42	265571	17/10/2022	0	0	265571	17/10/2022	265571	CBU388A1Q1
26/08/2022	25/08/2022	51791.40	48959.97	96.21	.75	15835.2	178754	7655.7	0	0	0	52500	60135.7	178906	14/09/2022	0	0	178906	14/09/2022	178906	CBU387A1Q7
25/07/2022	25/07/2022	57461.56	46688	100.32	.74	16855.8	156418.5	8088.43	0	0	0	52500	60588.43	187007	17/08/2022	0	0	187007	17/08/2022	187007	CBU388A1Q1
27/06/2022	29/06/2022	57204.62	45332.22	125.48	.84	27704.4	202780	12594.15	0	0	0	52500	60594.15	272877	19/07/2022	0	0	272877	19/07/2022	272877	CBU388A1Q2
27/05/2022	27/05/2022	56786.89	46809.81	138.68	.83	25953.6	181352	12020.1	0	0	0	52500	64530.1	256482	16/06/2022	0	0	256482	16/06/2022	256482	CBU388A1Q1
27/04/2022	27/04/2022	56364.32	45325.88	137.3	.80	30388.4	227898	13809.5	0	0	0	52500	66309.5	254208	17/05/2022	50	0	254158	17/05/2022	254158	CBU388RS1Q
30/03/2022	30/03/2022	50681.89	4764.12	128.56	.87	25405	225522.5	13301.13	0	0	0	52500	86601.13	286324	16/04/2022	0	0	286324	16/04/2022	286324	CBU386RS1Q
28/02/2022	28/02/2022	50415.84	4230.74	97.16	.78	19992.8	120686	8887.3	0	0	0	52500	61187.3	200633	21/03/2022	0	0	200633	21/03/2022	200633	CBU386RS1Q
28/01/2022	28/01/2022	50129.94	3965.51	90.79	.81	18809.4	141093	8642.65	0	0	0	52500	61142.65	202146	17/02/2022	0	0	202146	17/02/2022	202146	CBU386A1Q1
27/12/2021	28/12/2021	50849.82	3510.08	119.8	.88	26024.4	181553	11859.15	0	0	0	52500	64389.15	259542	17/01/2022	0	0	259542	17/01/2022	259542	CBU386RS1Q
29/11/2021	30/11/2021	54438.89	3048.21	153.78	.84	34715.8	183568.5	11068.43	0	0	0	52500	63585.43	248957	20/12/2021	0	0	248957	20/12/2021	248957	CBU386A1Q1
26/10/2021	26/10/2021	54042.96	2863.85	96.92	.81	17328.8	130941	8196.55	0	0	0	52500	60499.55	190741	15/11/2021	0	0	190741	15/11/2021	190741	CBU386A1Q2
26/09/2021	26/09/2021	51777.57	42256	83.12	.82	22715.4	178355.5	9568.28	0	0	0	52500	62468.28	232854	18/10/2021	0	0	232854	18/10/2021	232854	CBU386A1Q1
27/08/2021	27/08/2021	53423.38	1828.94	66.62	.81	16432.8	132381	7334.8	0	0	0	52500	5834.8	183081	16/09/2021	0	0	183081	16/09/2021	183081	CBU386RS1Q
27/07/2021	30/07/2021	51373.5	1618.05	39.98	.76	12632.2	30292.5	5396.58	0	0	0	52500	5799.58	151891	16/08/2021	0	0	151891	16/08/2021	151891	CBU386A1Q1
26/06/2021	28/06/2021	52888.43	1274.79	16.12	.72	22412.6	168102	10366.65	0	0	0	103250	113616.65	287119	16/07/2021	0	0	110338	16/07/2021	110338	CBU386A1Q1
31/05/2021	31/05/2021																	171321	21/06/2021	171321	CBU386A1Q1
28/04/2021	28/04/2021	52661.78	8025.21	98.96	.82	20864	156480	8121	0	0	0	6720	14841	171321	31/05/2021	0	0	171321	31/05/2021	171321	LCBU386A1C

Meter Change Details

MeterNo	MeterMake	MeterType	MP	New Initial Rdg	Old Final Rdg	New Initial KVAH	Old Final KVAH	New Meter Install Date	Old Meter Removed Date	Reason
12329118	LAT	Static Electronic Meters	40	8.19	0	9.61	0	09-04-2013	09-04-2013	Defective
12329118	LAT	Static Electronic Meters	40	255.84	255.84	265.33	265.33	23-04-2013	23-04-2013	Defective
12329118	L AND T	Static Electronic Meter With MD recording Facility	40	52662.27	52661.78	60825.75	60825.21	29-04-2021	29-04-2021	Normal

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Criteria: VII : Institutional Values and Best Practices



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Miscellaneous Collection Details

Slip No / Cheque No	Slip Date / Cheque Date	Cheque Disbursal Date	Account Description	Amount	Due Date	Collection Date	Receipt No	Instal Amt / Cheque Amt / Pending Amt	Total Installment	Installment Status
386200543	20-05-2008		48100-Cc Deposit	8950	19-08-2008	20-05-2008	CBU386A1Q297	8950	1	1
386201063403	27-10-2010		61.521-E-Tax	234	26-11-2010	27-10-2010	CBU386A1Q447	234	1	1
386201068679	07-12-2010		78883-Bank Charges	365	06-01-2011	07-12-2010	CBU386A1Q527	365	1	1
3862012131876	17-07-2012		78883-Bank Charges	192	16-08-2012	10-08-2012	CBU386A1Q1813	192	1	1
3862012132101	14-11-2012		78883-Bank Charges	197	04-01-2013	05-12-2012	CBU386A1Q51127	197	1	1
386201438	09-01-2013		23100a-Cc Arrears	2180	08-02-2014	09-01-2013	CBU387A1Q684	2180	1	1
3862013106	16-03-2013		23100a-Cc Arrears	900	04-04-2013	10-04-2013	CBU387A1S1811	900	1	1
3862013479	27-04-2013		23100a-Cc Arrears	5188	07-06-2013	11-06-2013	CBU386A1S1723	5188	1	1
38620133638	19-06-2013		23100a-Cc Arrears	254	05-06-2013	09-07-2013	CBU386A1S1778	254	1	1
38620133877	18-09-2013		23100a-Cc Arrears	800	18-10-2013	18-09-2013	CBU386A1S25000	800	1	1
386201437	09-01-2014		47804-Meter Caution Deposit	2600	08-02-2014	09-01-2014	CBU387A1Q684	2600	1	1
3862014692	15-05-2014		48100-Cc Deposit	129210	09-07-2014	09-06-2014	CBU386A1Q31663	129210	1	1
38620150189608	08-01-2015		47805-Advance Cc Charge	20	09-01-2015	09-01-2015	1033862090152110001	0	1	1
20180707036233269871000000	07-07-2015		61962-Registration Cum Processing Charges	50	07-07-2015	07-07-2015	10338610707162110072	50	1	1
20180801033744132873000000	01-08-2015		47601-D C W	6430	01-08-2015	01-08-2015	103386108108162110021	6430	1	1
20181013045348601454000000	13-10-2015		61907-Testing Fees	2000	13-10-2015	13-10-2015	103386112101521100127	2000	1	1
20181229184846830589000000	29-12-2015		23100-Cc Charges	11885	29-01-2016	01-01-2016	10338622901162110020	11885	1	1
20181231184827912639000000	31-12-2015		23100-Cc Charges	21048	29-01-2016	01-01-2016	10338622901162110020	21048	1	1
38620170214783	12-07-2017		47805-Advance Cc Charge	34819	12-07-2017	12-07-2017	10338621207172110026	0	1	1
38620170219800	19-08-2017		47805-Advance Cc Charge	34819	19-08-2017	19-08-2017	10338621008172310068	0	1	1
2017112405240953616000000	24-11-2017		23100-Cc Charges	87	08-12-2017	08-12-2017	10338620812172110011	87	1	1
3862018222987	17-01-2018		23100a-Cc Arrears	131	09-03-2018	14-03-2018	CBU388A1Q1833	131	1	1
3862018228410	19-08-2018		47805-Advance Cc Charge	100	18-08-2018	19-08-2018	CBU388A1Q1728	0	1	1
3862018228473	04-08-2018		47805-Advance Cc Charge	100	04-07-2018	04-08-2018	CBU388A1Q188	0	1	1
3862018228780	12-07-2018		47805-Advance Cc Charge	100	11-08-2018	12-07-2018	CBU388A1D1221	0	1	1
3862018228808	19-07-2018		61907-Testing Fees	2000	12-08-2018	13-08-2018	CBU347A1Q1294	2000	1	1
3862018229088	03-10-2018		48941-Cgst	180	09-11-2018	10-10-2018	CBU388A1Q1301	280	1	0
3862018229096	03-10-2018		48942-Sgst	100	09-11-2018	10-10-2018	CBU388A1Q1301	350	1	0
3862020829	15-05-2020		78883-Bank Charges	295	10-07-2020	10-06-2020	CBU388A1Q688	295	1	1
3860321334	15-03-2021		48942-Sgst	18.75	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	15-03-2021		61962-Registration Cum Processing Charges	100	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	15-03-2021		61907-Testing Fee	75	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	16-03-2021		58101-Development Charges	38000	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	16-03-2021		48100-Cc Deposit	22800	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	16-03-2021		47804-Meter Caution Deposit	3000	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	16-03-2021		82848-Rounding Off	5	29-03-2021	29-03-2021	PGNIOB32443874			
3860321334	15-03-2021		48941-Cgst	18.75	29-03-2021	29-03-2021	PGNIOB32443874			
3862021042	16-04-2022		47805-Advance Cc Charge	80	16-06-2022	16-04-2022	CBU386R51Q633	0	1	1
3860922864	02-09-2022		82848-Rounding Off	8	16-09-2022	08-09-2022	PGCAXH60728564			
3860922804	02-09-2022		61962-Registration Cum Processing Charges	900	16-09-2022	08-09-2022	PGCAXH60728564			

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Criteria: **VII : Institutional Values and Best Practices**



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Sl No	Bill No	Bill Date	Bill Description	Amount	Bill Period	Bill Type
1	00022804	02-09-2022	61916-Charges For Changing Of Meter At The Request Of The Consumer	1000	16-09-2022	PGCAX0460725864
2	00022804	02-09-2022	61972-Estimate Charges For Other Than New Service Connections (Gst Applicable)	10515	16-09-2022	PGCAX0460725864
3	00022804	02-09-2022	46942-Sgst	1124.1	16-09-2022	PGCAX0460725864
4	00022804	02-09-2022	61907-Testing Fees	78	16-09-2022	PGCAX0460725864
5	00022804	02-09-2022	46941-Cgst	1124.1	16-09-2022	PGCAX0460725864

Legend:

ACCD	Additional Current Consumption Deposit	DPGC	Delayed Payment Surcharge
CC Charges	Current Consumption Charges	PMC	Previous Month Consumption
WD	Welding Charges	EDC	Excess Demand Charges
DPF	Disincentive for Power factor	FC	Fixed costs
DDFC	Fixed Charges to the extent of Recorded demand		

* *The Consumers may opt for payment of Electricity Charges in advance. Interest at the rate of 3.25% p.a for the financial year 2020-21 is credited to such amount, held for full month (more than 30 days) as advance. The amount paid as advance towards Electricity charges (Current Consumption Charges) can be adjusted only against future CC bills.*

VIEW ANOTHER

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Annexure - A

Category Eligibility		Metering Mechanism			Net work Charges	Feed in Tariff (*)		
		Net Metering	Net Feed-in	Gross Metering		0-10 KW	11-150 KW	151-999 KW
Domestic LT Category	Up to Sanctioned load	□	□	□	Rs.1.27 per kw 20% up to 10 kW 75% above Rs. 10KW 3.61		Rs. 3.37	
Other than domestic category in LT	Up to sanctioned load	□	□	□	Rs. 1.27 per KWh on total generation			
Consumers of more than 150 KW	151-999 KW	□	□	□	Re.0.83 per kWh for Net Feed -in No Charges for Gross Metering Nil			
Generator other than consumer	151-999 KW	□	□	□				Rs.3.10

(*) The Time of Day (ToD) Tariff will be 20% higher than the above for the supply of power during the evening peak hour i.e., 6.00 pm to 9.00pm.



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Annexure - B

APPLICATION FORM FOR INSTALLATION OF GRID- CONNECTED SOLAR PV ENERGY GENERATING SYSTEM

To:

I / We herewith apply and request for Grid - Connected Solar PV Energy generating system to be connected to the service connection of following details:

1. Name of applicant in full: THE PRINCIPAL
2. Address of the premises at which the solar energy Generation system is to be installed: N.G.M. COLLEGE, PALAKKAD ROAD, POLLACHI.
3. Address for communication: N.G.M. COLLEGE, PALAKKAD ROAD, POLLACHI.
4. Service connection number: 03-386-007-123
5. Service connection tariff: LM2B2
6. Sanctioned Load / Contracted Demand: 150 KW
7. Mobile number: 994329-06689
8. Email ID: naveen@sspower.in
9. Proposed AC capacity of the solar system to be installed: 80 kW
10. Roof Top or Ground Mounted: ROOFTOP
11. Net Metering / Net Feed-in / Gross Metering: NET METERING
12. Solar grid inverter make, type and capacity: GROWATT 80 KW ONGRID INVERTER
13. Solar grid inverter has automatic isolation protection (Y/N)? Y
14. Has a Solar Generation Meter been installed (Y/N)? N
15. Make, capacity, Sl. No of the Generation meter:
16. Expected date of commissioning of solar PV system: 17.04.2023

II. I / We agree to pay the required charges as demanded in accordance with the Rules, Codes and Regulations.

III. I / We agree to install the plant in accordance with the protection and Safety Standards as mandated in the Regulations relating to Safety.

IV. I / We agree to enter into the agreement as per the Regulation.

V. I agree to bear the entire cost of erection of separate service line, to inject the total generated power into the grid in case of gross metering arrangement.

Date: 17.04.2023

Name(s): THE PRINCIPAL

Signature(s):



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Annexure – C

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and behalf. If false, TANGEDCO has the right to reject/cancel the application. Further, I hereby agree with the specifications, terms and conditions stipulated by TANGEDCO for the selection and installation of roof-top solar power plant. I also confirm that I am aware of the conditions stipulated in the CEA regulations on Technical Standards for connectivity of the Distributed Generation Resources) Regulations 2013 and confirms that I will abide by the same.

Place: COIMBATORE

Signature: 

Date: 17.04.2023

Name: THE PRINCIPAL

Encl:-

1. Copy of Electricity Bill (YES/NO)



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Annexure - E

Format for Grid Connected Solar PV Generating system Technical Feasibility Report

Name of the applicant

1. S/C No: 03-386-007-123
2. Category: LM2B2
3. Distribution: 007-PALAKKAD ROAD
4. Pole number:
5. Section: 386-TOWN/POLLACHI
6. Address: COIMBATORE
7. Mobile No: 99429-06689

B. Distribution Transformer Details

1. Name of the SS
2. Name of the Feeder
3. DTR capacity in KVA
4. Voltage ratio
5. Maximum load reached in the LT feeder
6. Type and size of the Exg. conductor in the LT feeder
7. Current carrying capacity of the above feeder
8. Total Connected load on the DTR(in KVA)
9. Addl. Loads sanctioned so far (in KVA)
10. Already proposed loads (in KVA)
11. Total Load on DTR : $X=8+9+10$ (in KVA)
12. SPV Generators already connected capacity in KW
13. Proposed SPV generators capacity in KW
14. Total generation capacity $Y=12+13$ (in KW)
15. Y should be restricted to 90 % of the DT capacity
(i.e.) Y is less than or equal to 90 % of (3).

[Signature]

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Remarks:-Whether technically feasible or not to export the power from proposed SPV generator (Yes or No)

C. FEEDER DETAILS

1. Name of the feeder
2. Name of SS from which the feeder is Emanating with voltage ratio
3. Type and size of the conductor
4. Current carrying capacity of the feeder
5. Maximum load reached on the feeder in Amps & KVA
6. Total connected DTR capacity on this 11KV feeder(KVA)
7. SPV generators connected on this feeder, if any, and their capacity in KW.

Remarks: Whether technically feasible or not to export the power from proposed SPV generator (Yes or No).

Encl: - LT Sketch

Executive Engineer

O&M



Criteria: **VII : Institutional Values and Best Practices**

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Annexure - F

Format for Feasibility intimation Letter to Consumer

From

THE PRINCIPAL
N.G.M. COLLEGE,
PALAKKAD ROAD,
POLLACHI

To

THE EXECUTIVE ENGINEER,
007-PALAKKAD ROAD
POLLACHI

O & M,
007/O&M/PALAKKAD ROAD

Lr.No.EE/O&M/ 007/O&M/PALAKKAD ROAD /TANGEDCO/F.Solar Roof Top/Doc No.
/D.No./ , dt.

Sir,

Sub: Eley-TANGEDCO-O&M Division-Installing of
90.44 KW solar roof top SPV generator THE
PRINCIPAL situated at N.G.M. COLLEGE,
PALAKKAD ROAD, POLLACHI
SC No. 03-386-007-123 / Distribution
007-PALAKKAD ROAD, POLLACHI
(Dist)- Approval - Reg.

Ref: Your application NO. 200033860423373, dt.

With reference to your application for
installation of solar SPV generator for 90.44KW on
your roof top proposed at N.G.M. COLLEGE,
PALAKKAD ROAD, POLLACHI.
is inspected by the undersigned on _and found
feasible. Hence approved vide No._/
dt._____.

You are further requested to approach
this office with relevant documents (Meter, SPV
modules, Grid Tie Inverter, Protective system,
Sine wave inverter with harmonic requirements
as per CEA norms) after completion of
installation of SPV generator and obtaining CEIG



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Annexure - G

Inspection Report Format

A. Name of the applicant

- 1 S/C No: 03-386-007-123
- 2 Category: LM2B2
- 3 Distribution / Transformer: 007-PALAKKAD ROAD
- 4 Pole number:
- 5 Section: 386-TOWN/POLLACHI
- 6 Address: COIMBATORE
- 7 Mobile No: 99429-06689

B. Meter Details(main/check/SPV Gen)

- 1 Meter make
- 2 Serial number
- 3 Capacity
- 4 Meter constant
- 5 Initial reading (Tri vector parameters) 6 i) Import
- 7 ii) Export
- 8 Name of the laboratory where the meter is tested (copy of test results to be enclosed)

C. Grid Tie Inverter / Connector

- 1 Make: GROWATT
- 2 Serial number:
- 3 Capacity:
- 4 Input voltage: 220V/400V(340-440V)
- 5 Output voltage: 220V/400V(340-440V)
- 6 If grid supply fails, status of contactor (on or off): Y

[Handwritten signature]



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