Kathir College of Engineering

Wisdom Tree, Avinashi Road, Neelambur, Coimbatore 641062

Criteria-7

Institutional Values and Best Practices

Sub Criteria 7.1

Institutional Values and Social Responsibilities

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

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KATHIR COLLEGE OF ENGINEERING

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Web: www.kathir.ac.in, Email: kathirce@kathir.ac.in

7.1.2 Energy Conservation Policy

Presently, the domestic need on energy, including electricity intake gradually increases due to rising population and industrial and economic enlargement that cuts down the energy reserve. Meanwhile, more intense global warming problem has intensified the climate change globally which leads to natural catastrophe affecting human lives and assets. Therefore, relevant sectors have seriouslyjoined hands to seek measures and set procedures to alleviate the said impact.

As an autonomous power producer Kathir College of Engineering aims at creating corporate value basedon the sustainable growth in terms of economic, social and environment magnitude. Since its inception, the Company has expanded its investment in core businesses together with developing social and environmental contribution activities. This effort will be beneficial to whole economy, society and environment. Particularly, it helps decrease the greenhouse gas which is the main cause of global warming problem and climate change. To enhance the effectiveness of energy management, the collegespecify the Energy Conservation Policy as follows.

To operate and develop suitable energy management system. It is regarded that energy conservation and management is a part of the College's business operations and it has to be implemented in agreement with relevant laws and regulations which will lead to sustainable development.

To set the College's annual plan and goal for the energy conservation and communicate with all employees for accurate understanding and compliance.

To arrange the monitoring and evaluation programs for energy management as well as revising, analyzing and correcting any error and weakness of energy management at least once a year during the appropriate period in order to ensure the complete compliance with relevant laws and regulations.

The College regards that the energy conservation is the duty and responsibility of all executives and employees at all levels and that they are required to deliver their cooperation to comply with the energy conservation measures, to monitor and report relevant issue to the Energy Management Committee.

To support the necessary resources, including personnel, budget, time as well as

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the training courses in order to promote the energy conservation for all employees, to enhance efficient energy conservation and management, and to encourage all employees' participation through presenting their suggestions that are beneficial to the development of energy conservation and management of the Company.

Executives and Energy Management Committee shall revise the energy policy, goal and plan on annual basis.

The energy management report shall be prepared and submitted to the College's executives and relevant information shall be annually disclosed to its stakeholders.

To promote and encourage the College's subsidiaries to comply with the energy conservation policy, relevant regulations and the best practice for energy conservation and management.

Appointment of Energy Management Committee

To facilitate and enhance the efficiency and effectiveness of the energy conservation and management according to the energy management law for controlled buildings and to the energy conservation policy of Kathir College of Engineering, thereby appointed the Energy Management Committee as follows.

The Energy Management Committee comprises:

S.No	Committee Members	Designation
1	The Chairman, Kathir Institutions	The Chair Person
2	The Secretary, Kathir Institutions	The Vice Chairman
3	The Principal, KCE	The Advisor / a representative of Business Development Discipline
4	The Administrator, Kathir Institutions	Member / a representative of Finance Discipline
5	The Head of EEE, KCE	Member / Facility Management Department
6	The Head of ECE, KCE	Member / Facility Management Department

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The Energy Management Committee shall perform duties and have responsibilities as follows.

To operate the energy management in compliance with the College's Energy Conservation Policy and energy management methods.

To work in collaboration with relevant units in compliance with the College's Energy Conservation Policy and energy management methods.

To propose to the top executives to consider stipulating the energy conservation goal and plan, energy management methods, training programs and activities to instill energy conservation awareness to all employees.

To perform in compliance with the energy conservation goal and plan, to continuously arrange the training course or activities in order to promote the energy conservation to all employees for good understanding and practices in complying with the policy.

To supervise and provide the audit and analysis of the practices in compliance with the energy conservation goal and plan as well as controlling, checking, monitoring and evaluating the energy management. The College shall also revise, analyze and correct any error of energy management on an annual basis at the appropriate time.

To communicate with all employees to create better understanding about energy management goal, plan and methods, the results of energy conservation and management and the results of meeting, revision, analysis and correction of any errors relating to the energy management.

To deliver recommendations about stipulation and revision of Energy Conservation Policy and energy management methods to the top executives for their consideration annually.

To promote and encourage the subsidiaries to comply with the Energy Conservation Policy, relevant regulations and the best practice for energy conservation and management.

To prepare the energy management report and the College's energy management certification report and submit them to the top executives and

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relevant government authorities as well as annually disclosing information to the College's stakeholders.

To perform other duties as designated.

7.1.2 Energy Conservation Infrastructure

Solar Panels

Kathir College of Engineering has initiated several steps to adhere to green policy and conserve energy by installing solar energy resources. This energy resource produce almost 30kw/hr. The required demand of power supply though it is more, we are able to rely on our own power source for the maximum demand. The extra power also sent to the grid when we have enough. Thus we are able to reduce the power consumption from external power sources.

Conservation Measures

There are many initiatives been taken to reduce the consumption of energy.

1. Stickers to turn off the lights / Fan on the switch Boards.
2. Using LED based lighting to minimize the usage
3. Well ventilated and well lit class rooms to reduce consumption of power.
4. Training and Awareness Programmes on Energy Conservation.
5. Using 5 star rated energy efficient apparatus to conserve energy.
6. Using auto cut off system for motor pump after filling the water Tanks
7. Using Energy efficient solar lights for the streets.
8. Responsible students are identified and awarded .
9. Competitions are organized to create awareness for conserving power.
10. Wires are periodically checked to avoid power leakage.

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7.1.2 Sensor Based Energy Conservation

Kathir College of Engineering plays a predominant role in conserving energy by installing sensor based energy control devices wherever possible. Though many are available in the market; Students of this college designed an auto power cut off sensor based control system to control the over flow of water in the over head tanks. Our students are encouraged to do projects such as this.

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Solar Power Generation Report

Date and time	Energy per inverter | FRONIUS Eco 27.0-3-S (28)	Energy per inverter per KWP | FRONIUS Eco 27.0-3-S (28)	Total system
[dd.MM.yyyy	[kWh]	[kWh/kWp]	[kWh]
11.04.2022	88.90202	3.29267	88.90202
12.04.2022	41.41141	1.53376	41.41141
13.04.2022	84.69053	3.13669	84.69053
14.04.2022	110.22652	4.08246	110.22652
15.04.2022	157.99512	5.85167	157.99512
16.04.2022	146.21039	5.4152	146.21039
17.04.2022	140.02588	5.18614	140.02588

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SOLAR POWER GENERATION NET FEED

TANGEDCO

CONSUMER LEDGER ABSTRACT - SOLAR SERVICES

SOLAR NET FEED IN SERVICE

S/C No	2900012147	Name of the Region	Coimbatore
Name of the Consumer	THIRU.E.S.KATHIR	Distribution Circle	CBE/South
Address	S/o Sengottayan, S.f.no,805/5, M/s/,lamicaeducational And Charitable	Sub Division	AEE/ARASUR
Meter Make & No	SECURE - X1338540	Section	Neelambur
Contracted Demand	112 KW	Distribution	NEELAMBUR
MF & Type	40 - Static Bidirectional Meter	Distribution Transformer Rated Capacity	250 KVA
Consumption Tariff	LM2B2	Solar PV Installed Capacity	29925 Watts
OTR No	334754	Solar Generation Meter Make and No	-

Reading Date	Entry Date	Import Reading Start	Import Reading End	Import Units	Export Reading Start	Export Reading End	Export Units	Imp MD	Exp MD	CC Charges	Fixed Charge	E - Tax	Excess Demand Charges	PF Penalty	Total Charges	Export Unit rate	Export Amt	Net Excess	Reading Status	Adj Amt	Adv Amt	Pending BillAmt	Coll. Particulars Rcpt No	Rcpt Date
28-09-2020	29-09-2020	29886	30044.5	LAST READING BEFORE SOLAR NETMETERING																				
30-09-2020	30-09-2020	FR: 30055.8	IR: .86		FR:	IR: .23	METER CHANGED / REASON : Normal																	
27-10-2020	31-10-2020	.86	143.22	6146.4	.23	7.84	304.4	32.8	.1	46098	6720	2403.9	0	0	55221.9	2.08	633.15	0	Normal	0	0	0	PGXTMB826640	18-11-2020
27-11-2020	27-11-2020	143.22	334.21	7639.6	7.84	8.1	10.4	29.6	.1	57297	6720	2954.85	0	0	66971.85	2.08	21.63	0	Normal	0	0	0	PGNSBI10384733	18-12-2020
30-12-2020	31-12-2020	334.21	606.5	10891.6	8.1	10.08	79.2	17.6	2.28	81687	6720	4138.35	0	0	92545.35	2.08	164.74	0	Normal	0	0	0	PGNSBI10596073	21-01-2021
28-01-2021	29-01-2021	606.5	862.62	10244.8	10.08	11.61	61.2	10	1.02	76836	6720	3871.8	0	0	87427.8	2.08	127.3	0	Normal	0	0	0	PGNSBI10794958	18-02-2021
25-02-2021	26-02-2021	862.62	1199.19	13462.8	11.61	11.61	0	51.2	.002	100971	6720	5204.55	0	0	112895.55	2.08	0	0	Normal	0	0	0	PGNSBI11002100	20-03-2021
26-03-2021	29-03-2021	1199.19	1581.03	15273.6	11.61	11.61	0	66	.001	114552	6720	5925.6	0	0	127197.6	2.08	0	0	Normal	0	0	0	PGNSBI11164773	16-04-2021
26-04-2021	29-04-2021	1581.03	1971.88	15634	11.61	11.63	.8	62.4	1.65	117255	6720	6051.75	0	0	130026.75	2.08	1.66	0	Normal	0	0	0	PGNSBI11353328	15-05-2021
22-05-2021	24-05-2021	1971.88	2167.9	7840.8	11.63	11.63	0	45.6	0	58806	6720	3078.3	0	0	68604.3	2.08	0	0	Normal	0	0	0	PGNSBI11548011	15-06-2021
25-06-2021	29-06-2021	2167.9	2401.87	9358.8	11.63	11.63	0	30.64	0	70191	6720	3602.55	0	0	80513.55	2.08	0	0	Normal	0	0	0	PGNSBI11756001	15-07-2021
28-07-2021	29-07-2021	2401.87	2626.05	8967.2	11.63	14.64	120.4	38.2	4.208	67254	6720	3479.7	0	0	77453.7	2.08	250.43	0	Normal	0	0	0	PGNSBI11987649	23-08-2021
27-08-2021	28-08-2021	2626.05	2793.21	6686.4	14.64	14.64	0	28.56	2.08	50148	6720	2594.4	0	0	59462.4	2.08	0	0	Normal	0	0	0	PGXTM8877946	17-09-2021
28-09-2021	30-09-2021	2793.21	2991.58	7934.8	14.64	28.55	556.4	38.8	4.998	59511	6720	3092.55	0	0	69323.55	2.08	1157.31	0	Normal	0	0	0	PGNSBI12338862	18-10-2021
26-10-2021	29-10-2021	2991.58	3192.39	8032.4	28.55	28.86	12.4	49.2	4.998	60243	6720	3162.15	0	0	70125.15	2.08	25.79	0	Normal	0	0	70099		

Total Charges = Imported charges - Exported charges
Export credit will be adjusted against next bill
Any Net excess charges at credit will not be carried forward after March of every year

BACK

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A One Day Report on Solar Power Generation

Date and time [d.MM.yyyy HH:mm]	onsumed directly [Wh]	PV production [Wh]
18.04.2022 00:00	0.00	0.00
18.04.2022 00:05	0.00	0.00
18.04.2022 00:10	0.00	0.00
18.04.2022 00:15	0.00	0.00
18.04.2022 00:20	0.00	0.00
18.04.2022 00:25	0.00	0.00
18.04.2022 00:30	0.00	0.00
18.04.2022 00:35	0.00	0.00
18.04.2022 00:40	0.00	0.00
18.04.2022 00:45	0.00	0.00
18.04.2022 00:50	0.00	0.00
18.04.2022 00:55	0.00	0.00
18.04.2022 01:00	0.00	0.00
18.04.2022 01:05	0.00	0.00
18.04.2022 01:10	0.00	0.00
18.04.2022 01:15	0.00	0.00
18.04.2022 01:20	0.00	0.00
18.04.2022 01:35	0.00	0.00
18.04.2022 01:40	0.00	0.00
18.04.2022 01:45	0.00	0.00
18.04.2022 01:50	0.00	0.00
18.04.2022 01:55	0.00	0.00
18.04.2022 02:00	0.00	0.00
18.04.2022 02:05	0.00	0.00
18.04.2022 02:10	0.00	0.00
18.04.2022 02:15	0.00	0.00
18.04.2022 02:20	0.00	0.00
18.04.2022 02:25	0.00	0.00
18.04.2022 02:30	0.00	0.00
18.04.2022 02:35	0.00	0.00
18.04.2022 02:40	0.00	0.00
18.04.2022 02:45	0.00	0.00
18.04.2022 02:50	0.00	0.00
18.04.2022 02:55	0.00	0.00
18.04.2022 03:00	0.00	0.00
18.04.2022 03:05	0.00	0.00
18.04.2022 03:10	0.00	0.00

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18.04.2022 01:25	0.00	0.00
18.04.2022 01:30	0.00	0.00
18.04.2022 03:25	0.00	0.00
18.04.2022 03:30	0.00	0.00
18.04.2022 03:35	0.00	0.00
18.04.2022 03:40	0.00	0.00
18.04.2022 03:45	0.00	0.00
18.04.2022 03:50	0.00	0.00
18.04.2022 03:55	0.00	0.00
18.04.2022 04:00	0.00	0.00
18.04.2022 04:05	0.00	0.00
18.04.2022 04:10	0.00	0.00
18.04.2022 04:15	0.00	0.00
18.04.2022 04:20	0.00	0.00
18.04.2022 04:25	0.00	0.00
18.04.2022 04:30	0.00	0.00
18.04.2022 04:35	0.00	0.00
18.04.2022 04:40	0.00	0.00
18.04.2022 04:45	0.00	0.00
18.04.2022 04:50	0.00	0.00
18.04.2022 04:55	0.00	0.00
18.04.2022 05:00	0.00	0.00
18.04.2022 03:15	0.00	0.00
18.04.2022 03:20	0.00	0.00
18.04.2022 05:20	0.00	0.00
18.04.2022 05:25	0.00	0.00
18.04.2022 05:30	0.00	0.00
18.04.2022 05:35	0.00	0.00
18.04.2022 05:40	0.00	0.00
18.04.2022 05:45	0.00	0.00
18.04.2022 05:50	0.00	0.00
18.04.2022 05:55	0.00	0.00
18.04.2022 06:00	0.00	0.00
18.04.2022 06:05	0.00	0.00
18.04.2022 06:10	0.00	0.00
18.04.2022 06:15	0.00	0.07
18.04.2022 06:20	0.00	10.80
18.04.2022 06:25	0.00	29.10
18.04.2022 06:30	0.00	41.94
18.04.2022 06:35	0.00	58.80
18.04.2022 06:40	0.00	75.85
18.04.2022 06:45	0.00	89.67
18.04.2022 06:50	0.00	104.40
18.04.2022 06:55	0.00	129.41

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18.04.2022 05:05	0.00	0.00
18.04.2022 05:10	0.00	0.00
18.04.2022 05:15	0.00	0.00
18.04.2022 07:15	0.00	265.41
18.04.2022 07:20	0.00	304.63
18.04.2022 07:25	0.00	331.25
18.04.2022 07:30	0.00	364.52
18.04.2022 07:35	0.00	396.16
18.04.2022 07:40	0.00	437.65
18.04.2022 07:45	0.00	485.30
18.04.2022 07:50	0.00	526.87
18.04.2022 07:55	0.00	568.08
18.04.2022 08:00	0.00	600.05
18.04.2022 08:05	0.00	652.04
18.04.2022 08:10	0.00	700.50
18.04.2022 08:15	0.00	739.37
18.04.2022 08:20	0.00	779.50
18.04.2022 08:25	0.00	812.47
18.04.2022 08:30	0.00	849.55
18.04.2022 07:00	0.00	163.70
18.04.2022 07:05	0.00	198.37
18.04.2022 07:10	0.00	228.08
18.04.2022 08:35	0.00	881.76
18.04.2022 08:40	0.00	911.43
18.04.2022 08:45	0.00	948.23
18.04.2022 08:50	0.00	984.14
18.04.2022 08:55	0.00	1027.29
18.04.2022 09:00	0.00	1054.24

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4/22/22, 1:19 PM Reading Details

ACCOUNT SUMMARY

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CONSUMER NAME:THIRU.E.S.KATHIR **CONSUMER NUMBER: 032900012147**

REGION	03-Coimbatore	PHASE	3
CIRCLE	432-South	LOAD	112 KW
SECTION	290-Neelambur	TARIFF	LM2B2
DISTRIBUTION	001-Neelambur	METER NUMBER	X1338540
SERVICE NUMBER	2147	ACCD* AS ON Date/ SD Available for Refund or Adj.(Rs.)	395848 / NIL
ADDRESS	S/O SENGOTTAYAN, S.F.NO,805/5, M/S/,LAMICAEDUCATIONAL AND CHARITABLE	MCD AS ON Date/ MCD Available for Refund or Adj.(Rs.),	2500 / 0
SERVICE STATUS	LIVE	SERVICE CATEGORY	OTHERS

SLAB RATE

From Unit	To Unit	Rate (Rs.)	Max. Unit
1	Above	7.5	9999999
Min.Chrg:	0	Fixd.Cost:	120/KW
BPSC*:	0	Welding.Chrg:	15%
E.Tax:	5 % (CC + DPF + WD+RDFC)		

DUES TO BE PAID IS "NIL"

CLICK HERE TO PAY ADVANCE *

Monthly Consumption Charge Collection Details

Assessment Date	Assessment Entry Date	KWH Reading	KVAH reading	EXPORT KWH reading	EXPORT KVAH reading	Maximum Demand	Power Factor	Consumed Unit	CC Charges* (Rs.)	Other charges						Assessed Amount (Rs.)	Advance Amount (Rs.)	Adjustment Amount (Rs.)	Total Bill Amount (Rs.)	Due Date For payment	Amount Paid	Receipt No	Payment Date	Assessment Status
										ETAX (Rs.)	WD (Rs.)	EDC (Rs.)	DPF (Rs.)	FC (Rs.)	Total (Rs.)									
25/03/2022	30/03/2022	4769.06	4893.62	50.9	55.68	66	.99	14772	110790	5737.5		0	0	6720	12457.5	123248	0	0	123248	16/04/2022	123248	PGNSBI13561857	13/04/2022	NORMAL
25/02/2022	27/02/2022	4399.76	4518.87	50.9	55.68	52.32	.98	12560	94200	4869		0	0	6720	11589	104851	0	0	104851	17/03/2022	104851	PGNSBI13382684	17/03/2022	NORMAL
24/01/2022	25/01/2022	4085.76	4197.91	39.63	45.55	42.72	.97	9465.6	70992	3678.6		0	0	6720	10398.6	81233	0	0	81233	14/02/2022	81233	PGNSBI13146388	14/02/2022	NORMAL
25/12/2021	30/12/2021	3849.12	3954.88	37.74	43.64	70.64	.98	14325.6	107442	5585.1		0	0	6720	12305.1	119534	0	0	119534	19/01/2022	119534	PGNSBI12945737	17/01/2022	NORMAL
25/11/2021	27/11/2021	3490.98	3590.19	35.18	41.54	58.64	.98	11943.6	89577	4655.85		0	0	6720	11375.85	100427	0	0	100427	15/12/2021	100427	PGNSBI12722113	15/12/2021	NORMAL
26/10/2021	29/10/2021	3192.39	3286.58	28.86	31.79	49.2	.96	8032.4	60243	3162.15		0	0	6720	9882.15	70099	0	0	70099	15/11/2021	70099	PGNSBI12511492	15/11/2021	NORMAL
28/09/2021	30/09/2021	2991.68	3077.27	28.55	31.46	38.8	.95	7934.8	59511	3092.55		0	0	6720	9812.55	68166	0	0	68166	18/10/2021	68166	PGNSBI12338862	18/10/2021	NORMAL
27/08/2021	28/08/2021	2793.21	2868.41	14.64	15.88	28.56	.95	6686.4	50148	2594.4		0	0	6720	9314.4	59462	0	0	59462	16/09/2021	60597	PGXTMB877946	17/09/2021	NORMAL
28/07/2021	29/07/2021	2626.05	2692.04	14.64	15.88	38.24	.97	8967.2	67254	3479.7		0	0	6720	10199.7	77203	0	0	77203	17/08/2021	78464	PGNSBI11987649	23/08/2021	NORMAL
25/06/2021	29/06/2021	2401.87	2461.79	11.63	12.61	30.64	.98	9358.8	70191	3602.55		0	0	6720	10322.55	80514	0	0	80514	15/07/2021	80514	PGNSBI11756001	15/07/2021	NORMAL
22/05/2021	24/05/2021	2167.9	2222.02	11.63	12.61	45.6	.98	7840.8	58806	3078.3		0	0	6720	9798.3	68604	0	0	68604	15/06/2021	68604	PGNSBI11548011	15/06/2021	NORMAL
26/04/2021	29/04/2021	1971.88	2022.43	11.63	12.61	62.4	.97	15634	117255	6051.75		0	0	6720	12771.75	130025	0	0	130025	31/05/2021	130025	PGNSBI11353328	15/05/2021	NORMAL
26/03/2021	29/03/2021	1681.03	1621.52	11.61	12.57	66	.98	16273.6	114552	5925.6		0	0	6720	12645.6	127198	0	0	127198	16/04/2021	128708	PGNSBI11164773	16/04/2021	NORMAL
25/02/2021	26/02/2021	1199.19	1230.01	11.61	12.56	51.2	.98	13462.8	100971	5204.55		0	0	6720	11924.55	112896	0	0	112896	17/03/2021	114304	PGNSBI11002100	20/03/2021	NORMAL
28/01/2021	29/01/2021	862.62	887.11	11.61	12.56	10	.97	10244.8	76836	3871.8		0	0	6720	10591.8	87301	0	0	87301	17/02/2021	88527	PGNSBI10794955	18/02/2021	NORMAL
30/12/2020	31/12/2020	606.5	623.33	10.08	10.9	17.6	.97	10891.6	81687	4138.35		0	0	6720	10858.35	92381	0	0	92381	19/01/2021	93643	PGNSBI10596073	21/01/2021	NORMAL
27/11/2020	27/11/2020	334.21	343.79	8.1	8.56	29.6	.98	7639.6	57297	2954.85		0	0	6720	9674.85	66950	0	0	66950	17/12/2020	68030	PGNSBI10384733	18/12/2020	NORMAL
27/10/2020	31/10/2020	143.22	148.64	7.84	8.4	32.8	.96	6146.4	46098	2403.9		0	0	6720	9123.9	54589	0	0	54589	16/11/2020	55580	PGXTMB826640	18/11/2020	NORMAL

Tariff Change Details

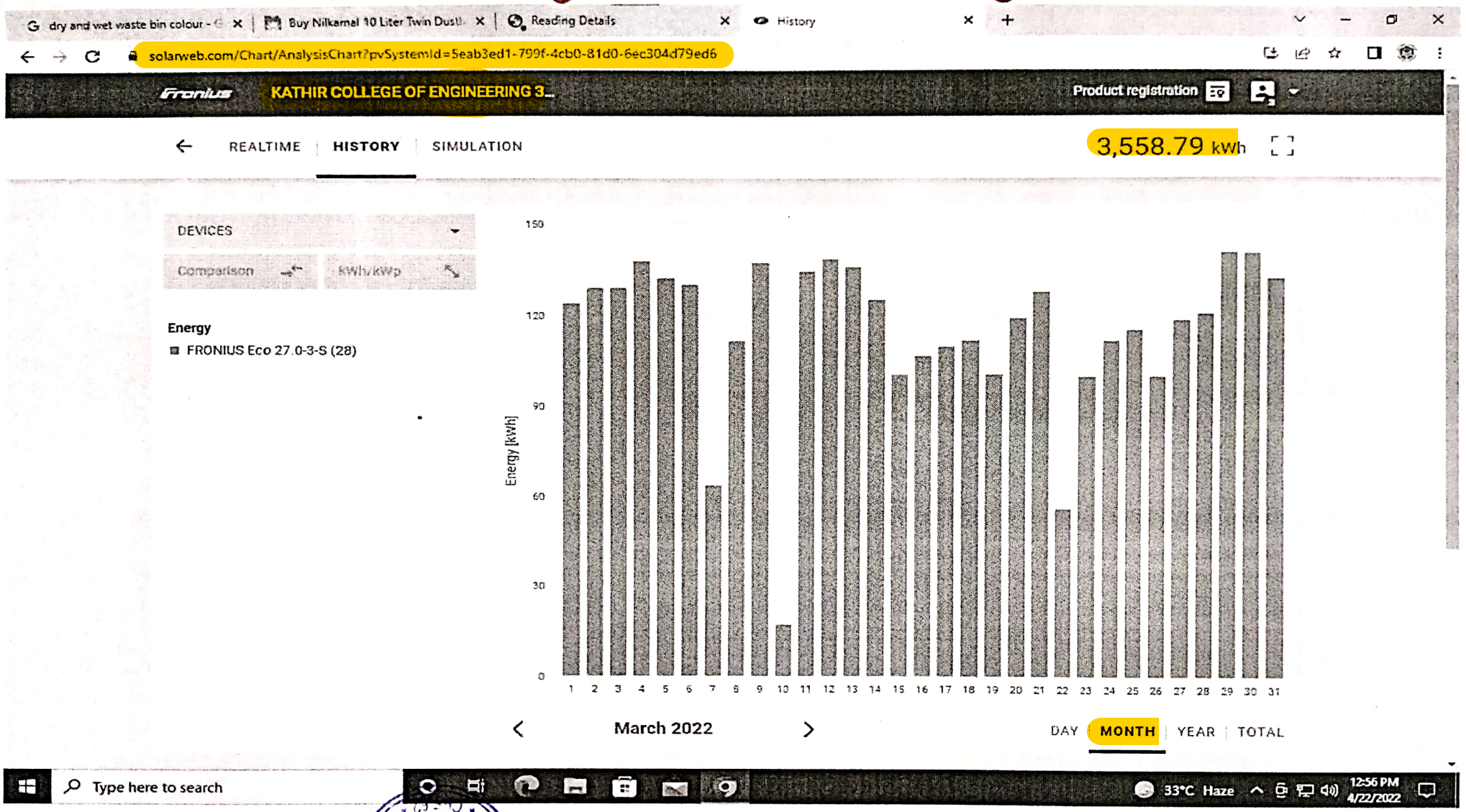
Previous Tarrif	Current Tarrif	Tarrif Change Date	Check Reading (KWH)	Check Reading(KVAH)
LM2B1	LM2C	25-07-2012	144	164
LM2C	LM2B2	11-03-2013	298.5	340.2

tneb.tnebnet.org/newlt/menu3solar1.html

KATHIR COLLEGE OF ENGINEERING

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,

SOLAR POWER MONTHLY PRODUCTION CHART



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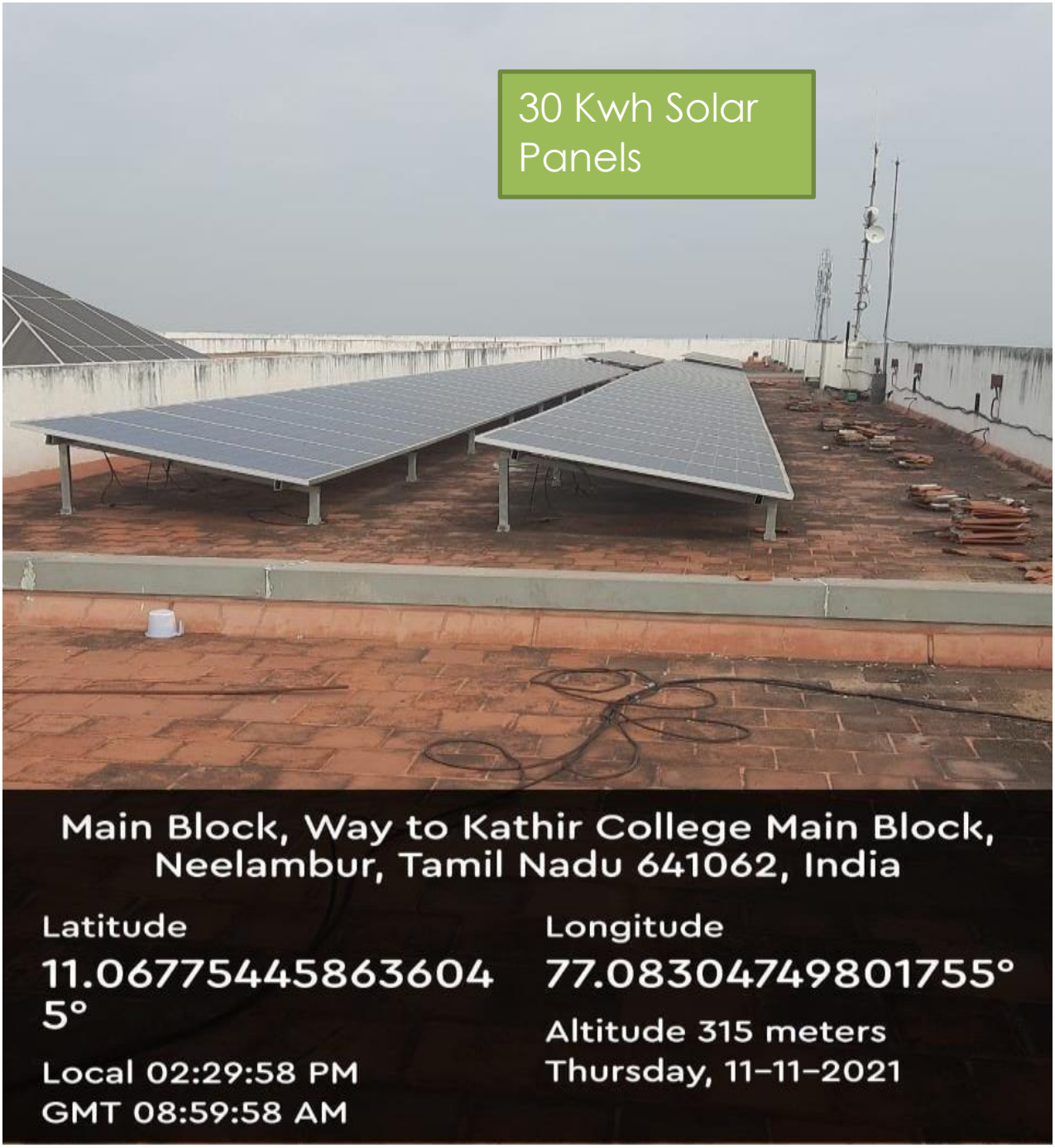
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

7.1.2 Environment Consciousness and Sustainability

The Institution has facilities for Alternate sources of energy, energy conservation measures

1. Solar Panels

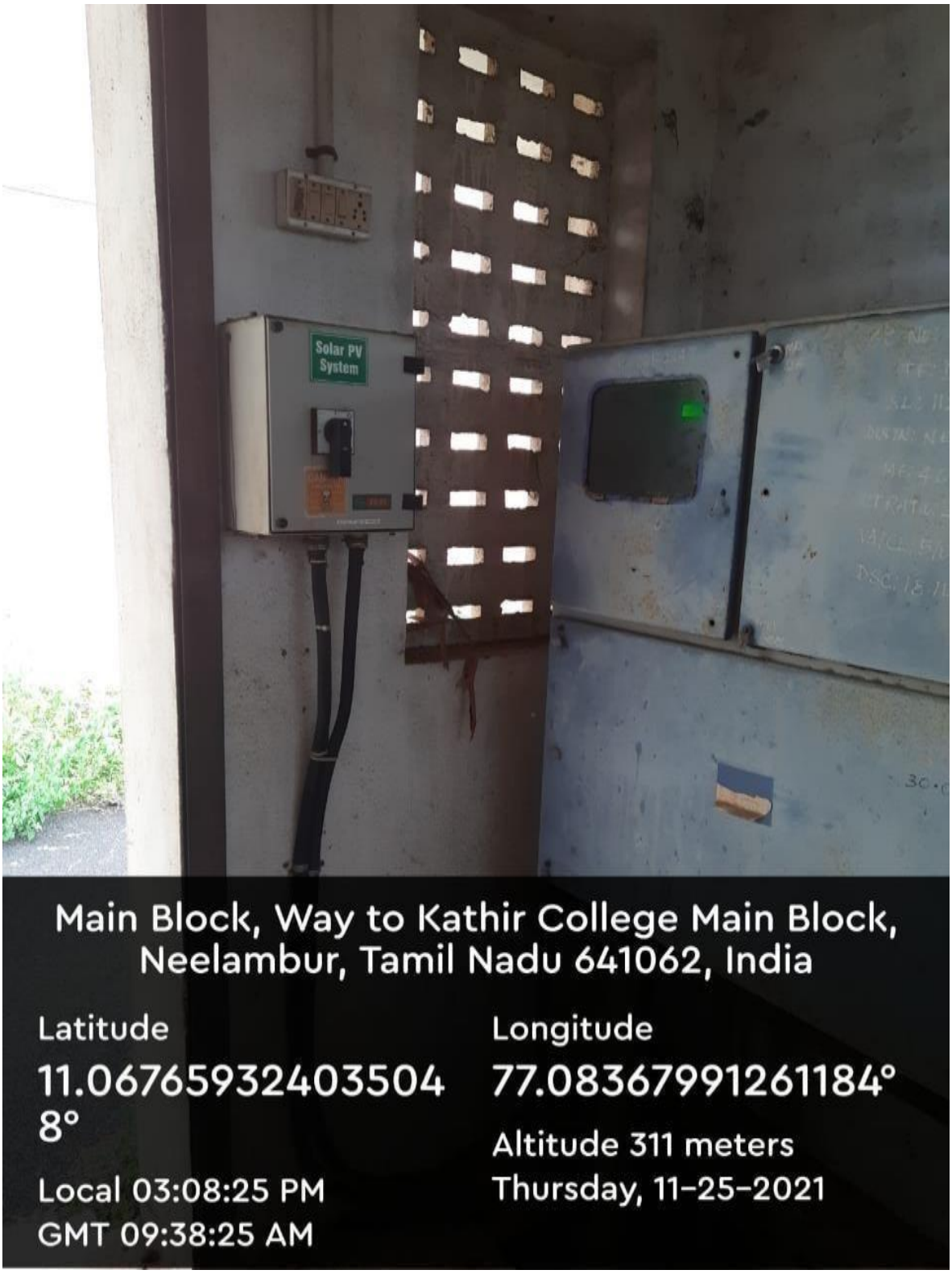


Solar Street Lamp lit at Night

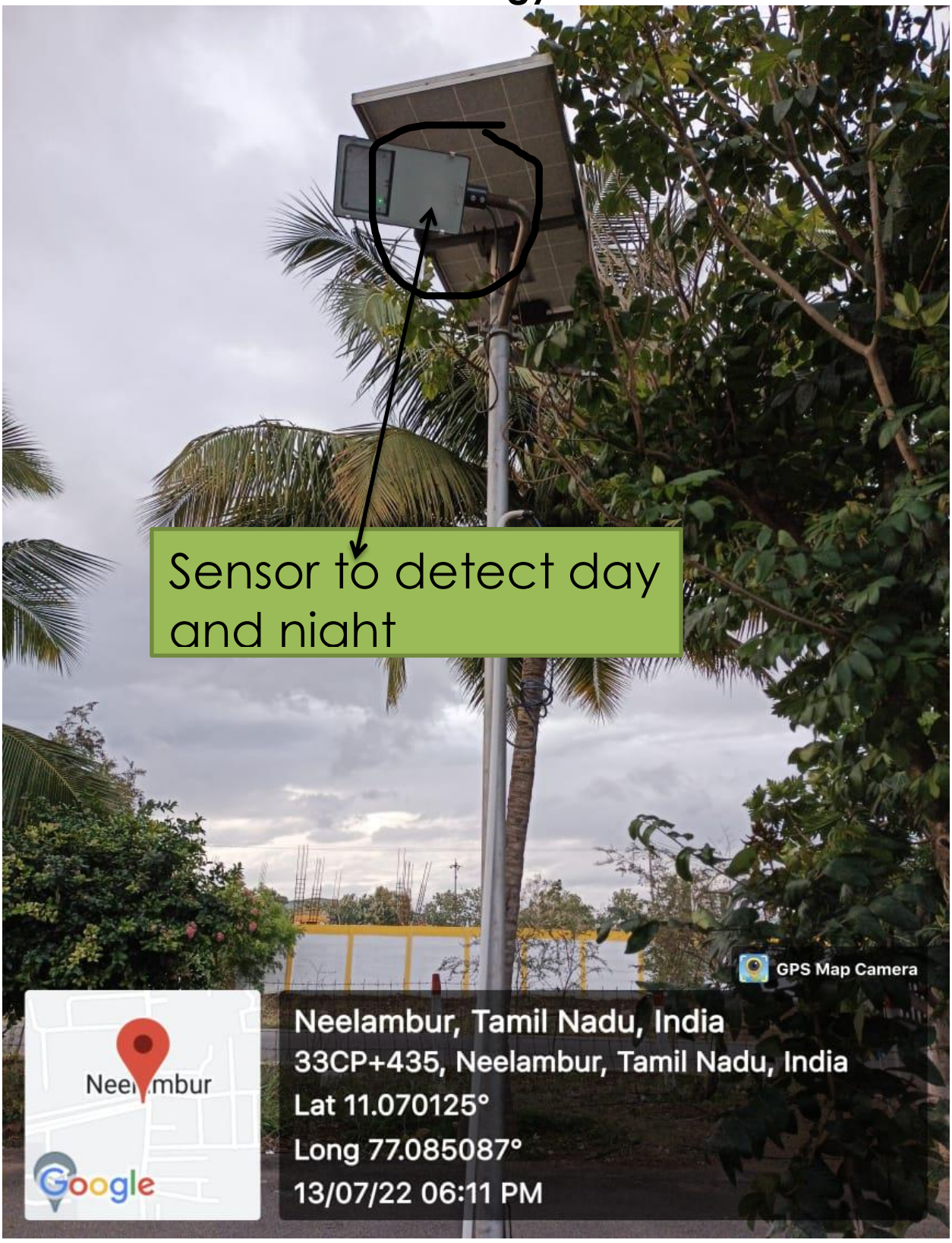
Solar Lamp Controller with Battery

2 Bio-Gas Plant

3 Wheeling to the Grid



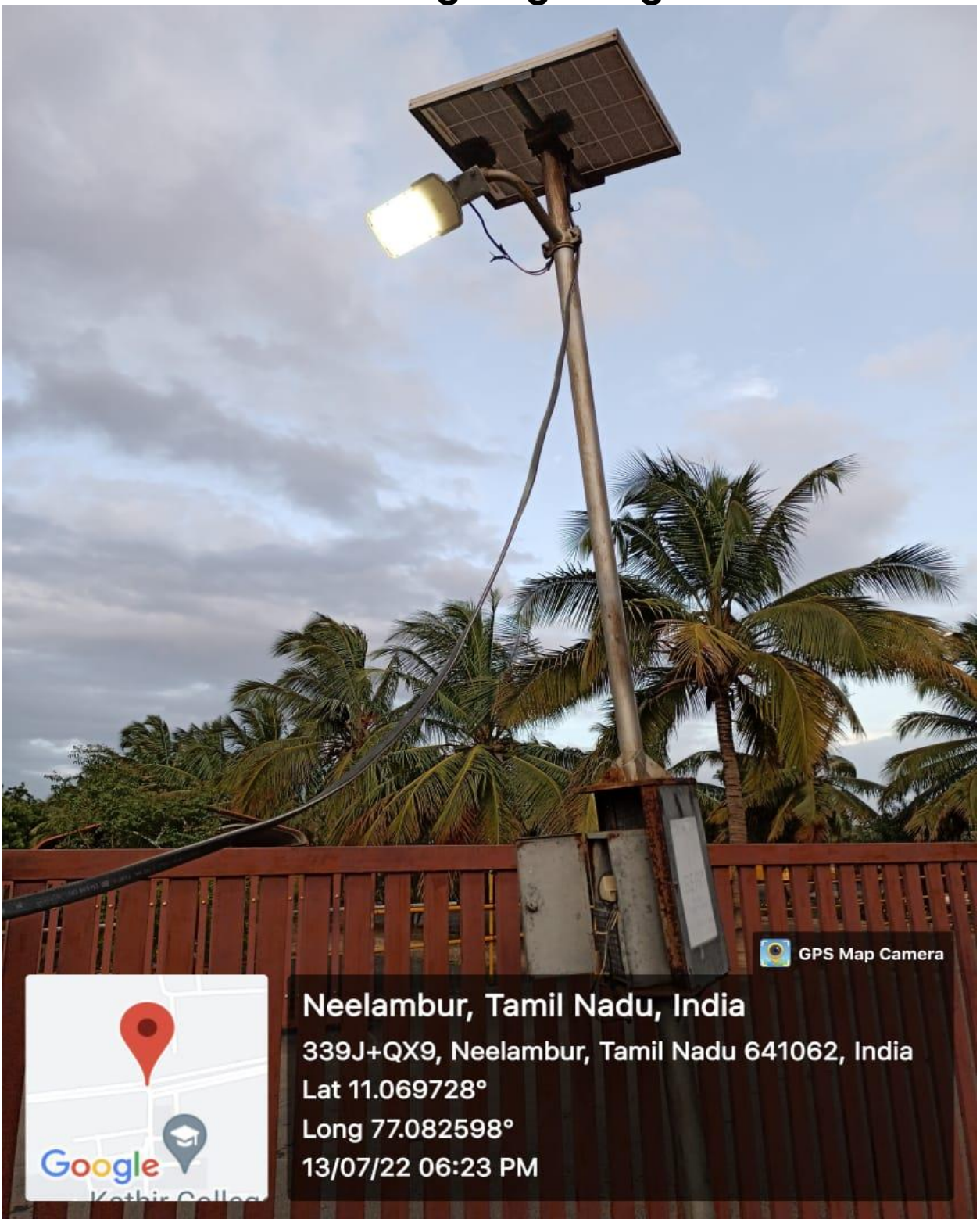
4 Sensor Based Energy Conservation



Sensor Based Energy Conservation

Solar Panel Controller with Battery

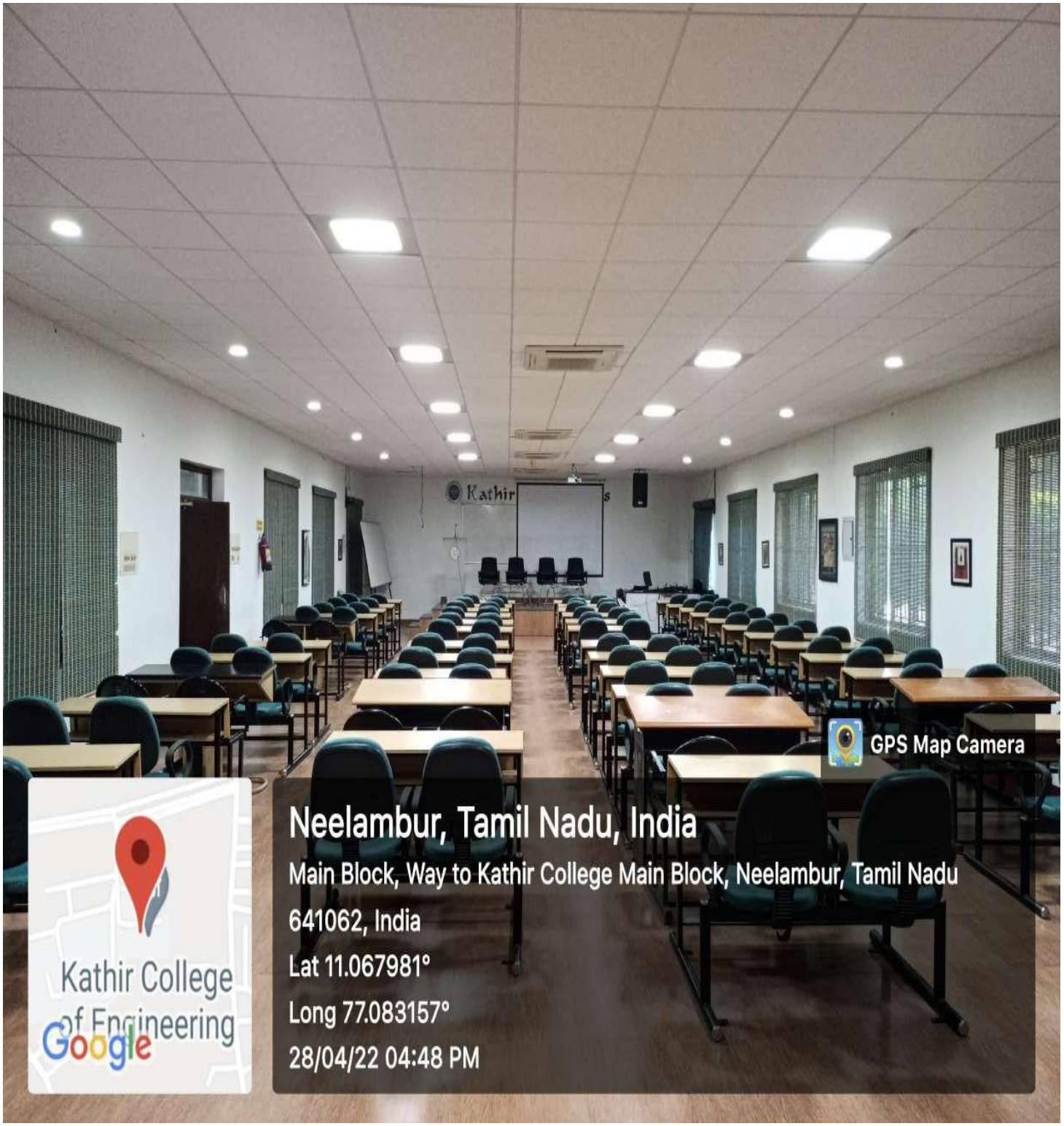
Automatic lighting at night fall



Sensor Based Energy Conservation- Gate 3

Solar Panel Sensor Controller with Battery

5.Use of LED Bulbs and Energy Saving Equipment



Five Stars Rated Energy Efficient Refrigerator

Conservation Measures

Solar Panel Installation Report

Kathir College of Engineering

An institution run by Kamaraj Educational and Charitable Trust
Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
Accredited by NAAC - An ISO Certified College

'Wisdom Tree',
Avinashi Road, Neelambur,
Coimbatore - 641 062

Phone 0422 - 2203787, 2
Fax 08030723600
E-mail kathirce@gmail.co
Website www.kathir.ac.in

KCE/SOLAR/ROOF TOP 30 kW/ 2020/9/2020 Dated: 10-09-2020

To,

The Executive Engineer
O&M, TANGEDCO
Somanur, Coimbatore.

Sub: Submission of CEIG Approval for Net-feed Connection 30 kW Roof Top Solar Power Plant Reg.

Ref: Lr.No:EE/O&M/SMNR/TANGEDCO/F.Roof Top Solar Net Feed-IN/Doc No. /D.No,003710/19, Dt: 22.11.19.

As reference to the letter cited, the roof Top 30 kW solar power plant has been installed and the same has ready for grid connection through net-feed meter. We received the CEIG approval from the Electrical inspecting office, and the copy of the CEIG approval is submitted to your office for your kind perusal. Kindly accept the CEIG approval and approve the net-feed meter connection at the earliest.

Thanking You,

Encl:
Copy of CEIG Approval

Yours faithfully,
10.9.2020
PRINCIPAL
PRINCIPAL
KATHIR COLLEGE OF ENGINEERING
NEELAMBUR,
COIMBATORE-62

KATHIR COLLEGE OF ENGINEERING CBE-62

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

Solar Project Cost

ENSUN ENERGY SYSTEMS PVT LTD

Using Nature for future

TO

Date:27.08.2018

THE CHAIRMAN
KATHIR COLLEGE OF ENGINEERING
COIMBATORE

Here with we submit the Accounts details for Supply and Installation of Solar Power Plant with capacity of 30 KW for your Institutions

Date	Description	Project Valu	Receipts
	Solar Power Plant 30 KW Capacity Project Cost	1199100	
31.10.2018	RTGS Payment		540000
	RTGS Payment		270000
17.01.2018	Cheque No: 17.01.2018		100000
	RTGS Payment		70000
	By Old Battery Return Back Adjustment		119100
	Total	1199100	1099100
	Balance Payment	100000	

For ENSUN ENERGY SYSTEMS PVT. LTD.

Erode : No : 6 Sri Ram Complex , 4 Road, Chithode , Erode – 638 102 Tamil Nadu,

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

Solar Warranty Data

Recd on 10/8/18

ENSUN ENERGY SYSTEMS PVT LTD
Using Nature for future

TO

THE CHAIRMAN
KATHIR COLLEGE OF ENGINEERING
COIMBATORE

Date:08 .11.2017

WARRANTY AND PROJECT DATA

Project: 30 KW Roof-Top Grid-Tie Interactive Solar PV System

Module	
PV Module Description	Poly Crystalline 320 Wp X 95 Nos of Module. Make :GOLDI GREEN
Module dimension	1952 X 990 mm
Module weight	22 kg
Supports	
Structure	MS Steel frame Structure are Combination of Square pipe frame structure with zinc galvanized with all Bolt Nuts are "SS"
Electrical Items	
String Inverter	FRONIUS 27 K , open space mounted , Natural convection cooling , Specification enclosed
Cable: Module to String	Single Core 4mm EBXL-XLPO, Tinned Copper ,Un armored, Make :ADVANCE
Cable: ACDB to DB	25 sqmm/4 core Aluminum / Multi Strand Make : Polycap
Cabling: Earthing to Ground	Panel: Single Core 4 Sq.mm copper cable and / Multi Strand main ground: Copper wire10 kg mm
Male-Female Connectors & Fuse	Module Interconnector: MC4 Compatible, Fuse Type:16Amps
Protection Elements	
Earthing Rod	GI 6 feet with Chemical Compound
Earthing Compound	Chemical compound
Termination Strips	bolt and nut
WARRANTY	• 5 years for the total systems with Free AMC. • Electrical Performance limited warranty for Solar PV Modules up to 90% of output capacity for 10 years and up to 80% output for 25 years

For ENSUN ENERGY SYSTEMS PVT LTD.

MANAGING DIRECTOR

Ensun Energy Systems Pvt. Ltd. ERODE

Erode : No : 6 Sri Ram Complex, 4 Road, Chithode , Erode – 638 102 Tamil Nadu,
mail :kksamy@ensun.in, web : www.ensun.in, Contact : 99446 55776, 99446 55664

KATHIR COLLEGE OF ENGINEERING

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

Solar Panel Detail

ENSUN ENERGY SYSTEMS PVT LTD

Using Nature for future

30	GG2017O833214707	78	GG07170833203568
31	GG2017O833214715	79	GG07170833203608
32	GG2017O833214754	80	GG07170833203605
33	GG2017O8332144721	81	GG07170833203619
34	GG2017O833214810	82	GG07170833203582
35	GG2017O833214386	83	GG07170833203594
36	GG2017O833214551	84	GG07170833203617
37	GG2017O833214497	85	GG07170833203661
38	GG2017O833214499	86	GG07170833203600
39	GG2017O833214493	87	GG201707732712771
40	GG2017O833214555	88	GG07170833203666
41	GG2017O833214391	89	GG07170833203705
42	GG2017O833214550	90	GG07170833203632
43	GG2017O833214825	91	GG07170833203663
44	GG2017O833214796	92	GG07170833203689
45	GG2017O833214537	93	GG07170833203676
46	GG2017O833214514	94	GG07170833203620
47	GG2017O833214541	95	GG07170833203613
48	GG2017O833214522		

For Ensun Energy Systems Pvt. Ltd.,

Managing Director

Ensun Energy Systems Pvt. Ltd. ERODE

KATHIR COLLEGE OF ENGINEERING CBE-62

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

Solar Meter

ENSUN ENERGY SYSTEMS PVT LTD

Mfrs of : SOLAR PV APPLICATIONS, SOLAR THERMAL SYSTEMS

Admin No. 6 Sri Ram Complex, 4 Road, Chithode, Erode - 638 102

Phone : 99446 55776, 99446 55664 Web : www.ensun.in mail : ensunindia@gmail.com

TIN:33813064652 , CST : 160 / 994993

To	INVOICE	EES 07	Date : 04.09.2020
Kathir College of Engineering Neelambur Avinashi Road Coimbatore - 641 062		PO	Date :
		DC	Date :
		Inspection	Date :
	Sent Through		
	L.R./R.R. No.		

ITEM	PARTICULARS	Qty	IN	Amount
	RENEWABLE ENERGY DEVICES SOLAR SYSTEMS			
1	Solar LTCT meter for TANGECO Installatopn , Make: SECURE,S.No x1338540	1.00	12711.86	12711.86
	Sub TOTAL			12711.86
	CGST 9%			1144
	SGST 9%			1144
	TOTAL			15000.00

E.&O.E.

Our responsibility ceases after the goods handed over to the carriers. Claims for leakage or shortage during transit will not be entertained. We reserve the right to recover from you any tax, duty or any other levy applicable to this transaction under any Government enactment and not charged to in this Bill. Interest will be charged at 25% if the bill is not paid within due date.

Subject to Erode jurisdiction only.

For ENSUN ENERGY SYSTEMS PVT LTD

KATHIR COLLEGE OF ENGINEERING CBE-62

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
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