



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



7.1.2		
QnM	<b><i>The Institution has facilities for alternate sources of energy and energy conservation measures (5)</i></b>	
	1. <a href="#">Solar energy</a>	Yes
	2. <a href="#">Biogas plant</a>	Yes
	3. <a href="#">Wheeling to the Grid</a>	Yes
	4. <a href="#">Sensor Based Energy Conservation</a>	Yes
	5. <a href="#">Use of LED bulbs/ power efficient equipment</a>	Yes



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## Solar Energy

### Solar Power Panel

S.No	Solar Panel	Block
1.	On Grid 9.9KW	Administrative Block
2.	On Grid 10.24 KW	Madona (Hostel)
3.	On Grid 8 KW	Amalita (Hostel)
4.	Off Grid 1.93 KW	Mareitta(Hostel)

### Solar Panel 9.9KW in Administrative





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

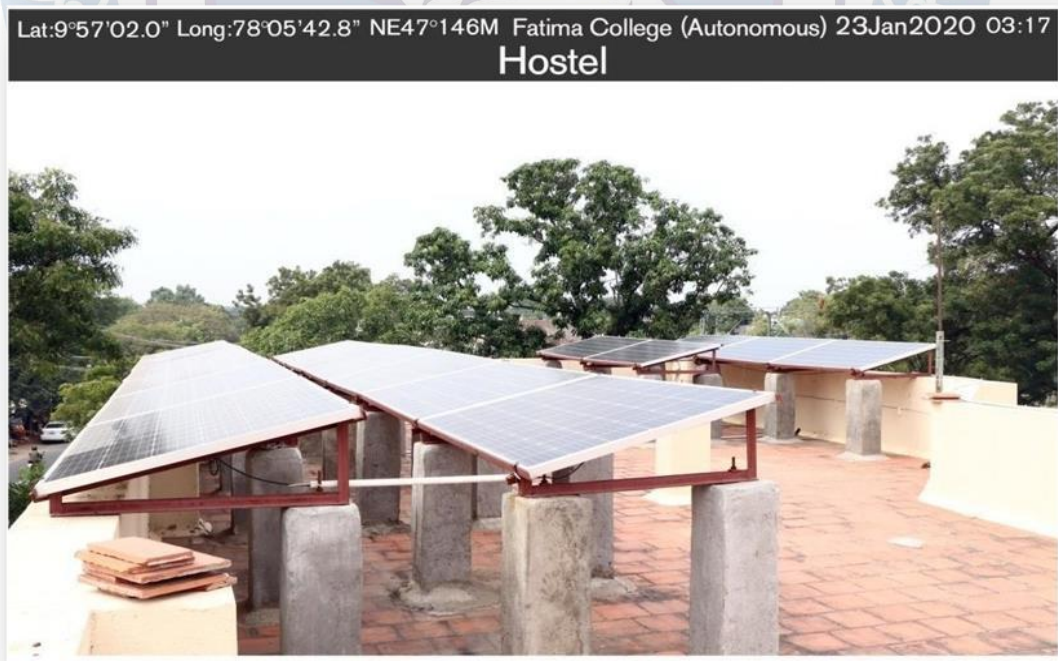
**Year** : 2015-2020



### Solar Panel 10.24 KW in Madona Block-Hostel



### Solar Panel 8 KW in Amalita Block-Hostel





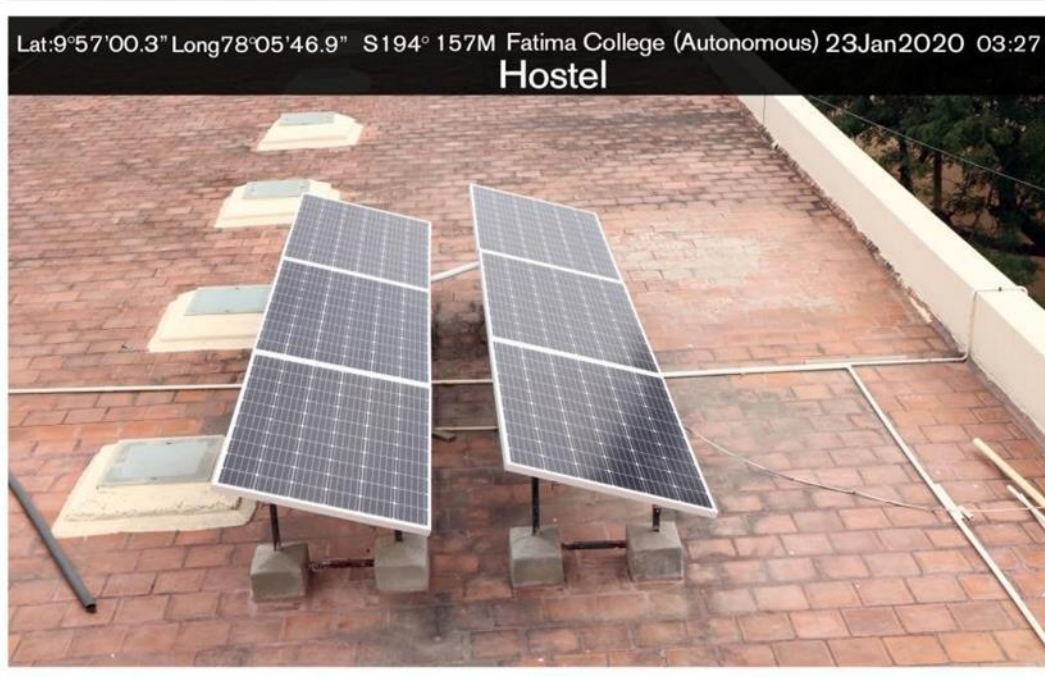
**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Solar Panel 1.92 KW in Marietta Block - Hostel



### Solar panels Satellite Picture





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



**Total Number of Solar Street Lights =14**

**Solar Lights in Basket Ball Ground**



**Solar Light in Playground**





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Solar Lights near Mother Rose Statue



### Solar Light's in the left side of college Entrance





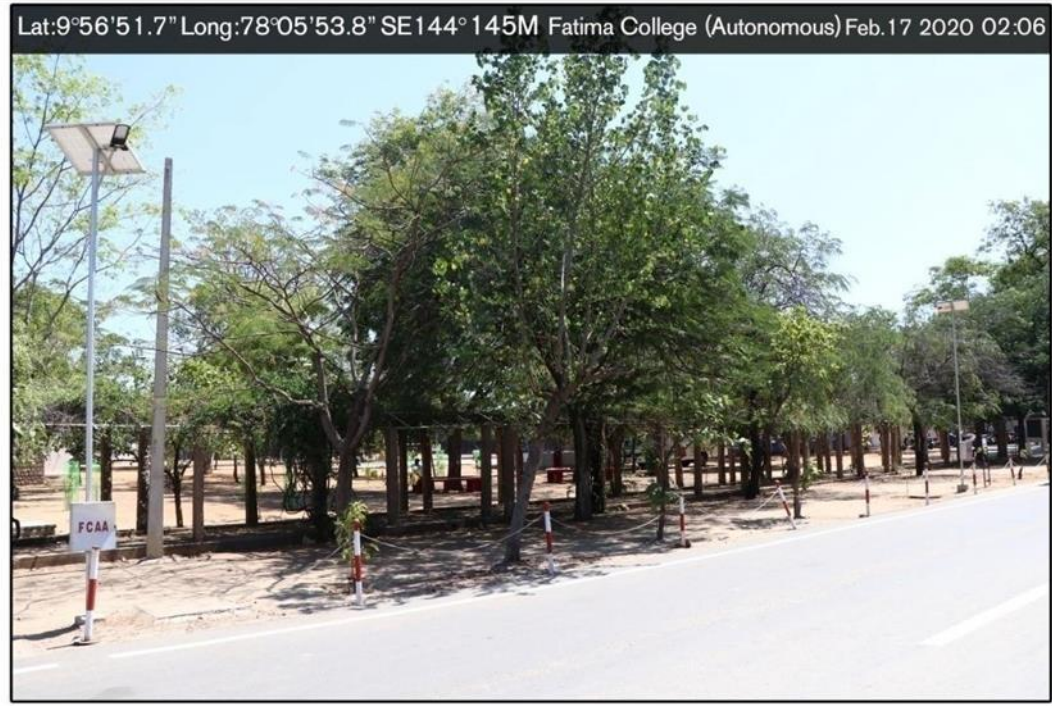
**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Solar Lights in the right side of College Entrance





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Solar Light near Basket Ball ground



### Solar light on the right side of Basket Ball Ground





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



**Solar Lights on the left side of Basket Ball ground.**



**Solar Panel near college compound wall**





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Solar water Heater 150 Ltr Per day ( Hostel)





**Criterion** : VII – Institution Innovative and Best Practices.

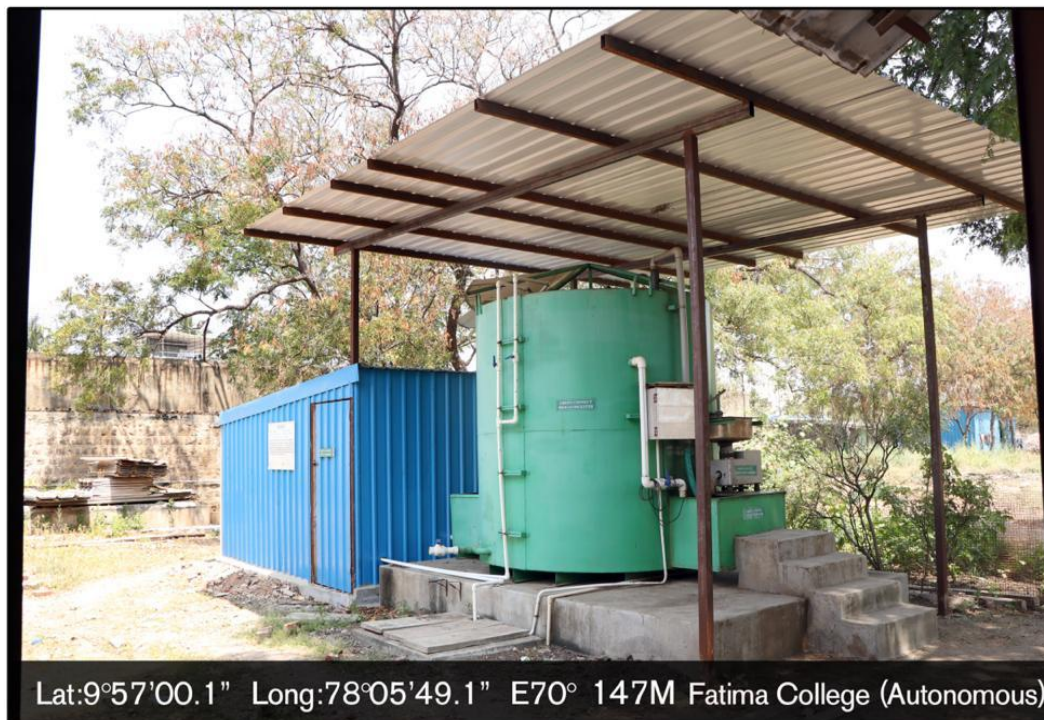
**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## 2. Bio Gas Plant –Output Capacity-20M<sup>3</sup>/day

### Bio Gas Plant -Hostel



### Bio Gas Balloon





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Bio Gas Meter (Hostel Kitchen)





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### 3. Wheeling to the grid

**Table showing Power Generated and Exported**

S.No	Solar Panel	Block	Report	
1.	On Grid 9.9KW	Administrative Block	10,835 Units Power Generated as on 16.12.2019	
2.	On Grid 10.24 KW	Madona (Hostel)	(From 23.8.2018 to 07.01.2020)	Power Generated- <b>7,040 Units</b>
				Power Exported to TNEB- <b>2519 Units</b>
3.	On Grid 8 KW	Amalita (Hostel)	(From 31.07.2019 to 07.01.2020)	Power Generated <b>3316 Units</b>
				Power Exported to TNEB- <b>1219 Units</b>
4.	Off Grid 1.93 KW	Marietta (Hostel)		



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## On grid Solar Power plant 8 KW ( Amalita block-Hostel)

### Permission letter for connection to the grid from TANGEDCO (Electric Board Authority)

Form – 1

Net Metering Connection Application.

To:  
The Executive Engineer,  
O & M / WEST / Metro  
Region: Madurai

I / we herewith apply for a solar energy net-metering connection at the service connection and for the solar PV plant of which details are given below.

1. Name of applicant	MOTHER SUPERIOR FATIMA COLLEGE
2. Address of applicant	FATIMA COLLEGE, Madurai
3. Service connection number	05-041.011.536
4. Service connection tariff	LM51
5. Mobile number(s)	+91 9943800376 / +91 9600390108
6. Email ID	
7. Solar PV plant capacity (KW)	7.68 Kilo watt
8. Solar grid inverter make and type	Make: Growatt Type: Grid tie-ON grid inverter
9. Solar grid inverter has automatic isolation protection (Y/N)?	Yes
10. Has a Solar Generation Meter been installed (Y/N)?	No
11. Expected date of commissioning of solar PV system.	05 days

Name : MOTHER SUPERIOR FATIMA COLLEGE  
Signature : *[Signature]*  
Date : 30.05.2019  
FATIMA COLLEGE CONVENT  
MADURAI - 625 018

**Metric : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures**



**भारतीय गैर न्यायिक**  
**एक सौ रुपये** **Rs. 100**  
**रु. 100** **ONE HUNDRED RUPEES**  
**भारत INDIA**  
**INDIAN NON JUDICIAL**

28.5.19 Mother Superior.  
Fatima College.  
Madurai

BH 387418  
J. Kumar.  
D. Ganesan

This Agreement is made and entered into at Madurai on this \_\_\_\_\_ day of \_\_\_\_\_ 2019 between The Eligible Consumer, Mother Superior, Fatima college, residing at Fatima College, Madurai as first party AND The Executive Engineer, O & M /NORTH/METRO Madurai distribution Licensee (herein after called as TANGEDCO) and having its registered office at SS Complex, AA Road, Arasaradi, Madurai-625016 as second party of the agreement

And whereas, the TANGEDCO agrees to benefit the eligible consumer for the electricity generated from his SPG plant of capacity watts and as per conditions of this agreement and net-metering regulations/orders issued by the Tamil Nadu Electricity Regulatory Commission.

Both the party hereby agrees to as follows:

*Sd/-*  
SUPERIOR  
FATIMA COLLEGE CONVENT  
MADURAI - 625 018

Page 1 of 4



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## On grid Solar Power plant 10 KW ( Madona block-Hostel)

### Permission letter for connection to the grid from TANGEDCO (Electric Board Authority)

Form – 1

Net Metering Connection Application.

To:

The Executive Engineer,  
O & M /NORTH/METRO  
Region: Madurai

I / we herewith apply for a solar energy net-metering connection at the service connection and for the solar PV plant of which details are given below.

1. Name of applicant	MOTHER SUPERIOR FATIMA COLLEGE
2. Address of applicant	FATIMA COLLEGE, Madurai
3. Service connection number	05- 041.011.165
4. Service connection tariff	LM2B1
5. Mobile number(s)	
6. Email ID	
7. Solar PV plant capacity (KW)	10Kilo watt
8. Solar grid inverter make and type	Make: SAJ Type: Grid tie-ON grid inverter
9. Solar grid inverter has automatic isolation protection (Y/N)?	Yes
10. Has a Solar Generation Meter been installed (Y/N)?	No
11. Expected date of commissioning of solar PV system.	30 days

Name : MOTHER SUPERIOR FATIMA COLLEGE

Signature : X

Date :

*Dr. Anthony* 16/6/18  
SUPERIOR  
FATIMA COLLEGE CONVENT  
MADURAI - 625 018



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures


**Year** : 2015-2020



## On grid Solar Power plant 10 KW ( Madona block-Hostel) Agreement Document between College and TANGEDCO

**भारतीय गैर न्यायिक**

**पचास  
रुपये  
रु.50**



**FIFTY  
RUPEES  
Rs.50**

**INDIA NON JUDICIAL**

தமிழ்நாடு தமிழ்நாடு TAMILNADU

2817  
14.6.2018 Mother Superior  
Fatima college  
Madurai,

AM 117869

சு.ஆர். பூமிநாத், தி.என்.சி.  
ஆர்.டி.சி. நிர் 9125/B-1/2000  
முத்திரைத்தாள் விநியோகம்  
நீர் மேலாண்மை தி.என்.சி. மதுரை

SUB TREASURY  
SOUTH  
TAMILNADU

This Agreement is made and entered into at Madurai on this \_\_\_\_\_ day of \_\_\_\_\_  
between The Eligible Consumer, residing at Fatima College, Madurai as first party AND  
\_\_\_\_\_ Madurai distribution Licensee (herein after called as  
TANGEDCO) and having its registered office at \_\_\_\_\_ as second party of the  
agreement.

And whereas, the TANGEDCO agrees to benefit the eligible consumer for the electricity  
generated from his SPG plant of capacity watts and as per conditions of this agreement and net-  
metering regulations/orders issued by the Tamil Nadu Electricity Regulatory Commission.

Both the party hereby agrees to as follows:

**1. Eligibility**

1.1 Eligibility for net-metering has been as specified in the relevant order of the Tamil Nadu  
Electricity Regulatory Commission. Eligible consumer is required to be aware, in advance, of the  
standards and conditions his system has to meet for being integrated into grid/distribution  
system.

Page 1 of 4

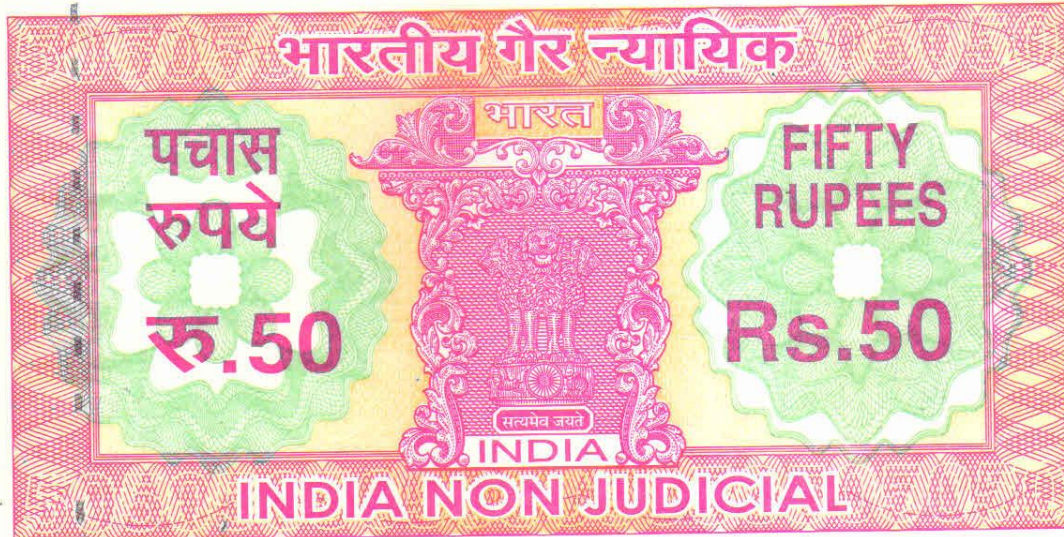
X *So. D. Princy*  
SUPERIOR  
FATIMA COLLEGE CONVENT  
MADURAI - 625 018



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



தமிழ்நாடு தமில்நாடு TAMILNADU

2818  
14.6.2018

Mother Superior  
Fatima college  
Madurai.

AM 117870

பி.ஆர். சூரிநாத், பி.எஸ்.சி.  
ஆர்.டி.சி. நிர் 9125/B1/2005  
முத்திரைத்தாள் விற்பனையாளர்  
07, பேலஸ் கோடு, மதுரை-625



## 2. Technical and Interconnection Requirements

2.1 The eligible consumer agrees that his solar generation plant and net metering system will 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) Tamil Nadu Electricity Distribution Code

(iv) Tamil Nadu Electricity Distribution Supply Code

2.2 Eligible consumer agrees that he has installed or will install, prior to connection of Photovoltaic system 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.

Page 2 of 4

So. Praveen 16/6/18  
SUPERIOR  
FATIMA COLLEGE CONVENT  
MADURAI - 625 018



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## Summary of On-Grid solar roof top plant from Energy Audit report.

### Solar Power plants

1. On Grid Solar Roof Top power plant of 9.9 KW at Admin Building

Solar Power Generation as on 16.12.2019 is 10,835 units

CO<sub>2</sub> emission avoided so far 6531 Kgs

2. On Grid Solar Roof Top power plant of 10.24 KW at Hostel MADONA BLOCK

Solar power plant is connected to service Number 05041011165

Bi directional meter fixed by TNEB on 23.08.2018

Solar Power Generation as on 07.01.2020 is 7,040 units

Solar Power Exported to TNEB Grid as on 07.01.2020 is 2519 units (from 23.08.2018 )

CO<sub>2</sub> emission avoided so far 1511 Kgs

3. On Grid Solar Roof Top power plant of 8 KW at Hostel AMALITTA BLOCK

Solar power plant is connected to service Number 05041011536

Bi directional meter fixed by TNEB on 31.07.2019

Solar Power Generation as on 07.01.2020 is 3,316 units

Solar Power Exported to TNEB Grid as on 07.01.2020 is 1,219 units (from 31.07.2019)

CO<sub>2</sub> emission avoided so far 731 Kgs

4. Off Grid Solar Roof Top power plant of 1.92 KW at Hostel MARIETTA BLOCK



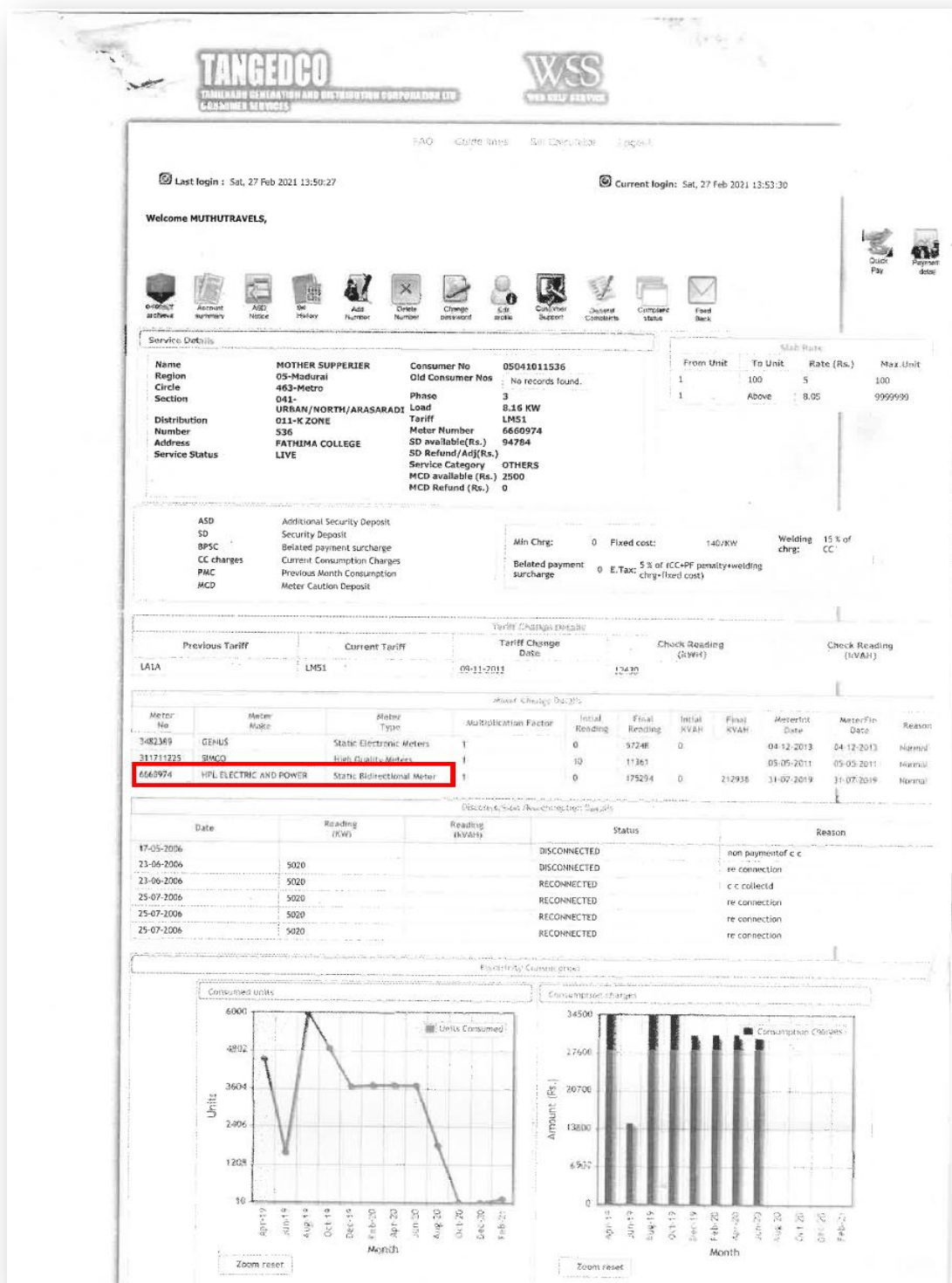
**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## EB summary stating “Bi Directional Meter” for On grid solar roof top power plant(Amalitta Block)





**Criterion : VII – Institution Innovative and Best Practices.**

**Metric : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures**

**Year : 2015-2020**



\* select the graph area to zoom

Electricity Consumption Bill Details													
Reading taken Date	Reading	Used Unit	CC Charges (Rs.)	Other Charges (Rs.)	Bill Amount (Rs.)	Adv. Amount (Rs.)	Adj. Amount (Rs.)	Total Bill Amount (Rs.)	Due Date	Bill Paid	Receipt No	Payment Date	Stat
26/02/21	17150	140	1127	1372.35	0	0	0	0	18/03/21				NOR
28/12/20	17010	10	50	1297.5	0	0	0	0	18/01/21				NOR
28/10/20	17000	10	50	1290.5	0	0	0	0	17/11/20				NOR
28/08/20	16990	1820	14651	3350.56	0	0	0	0	17/09/20				NOR
25/06/20	Previous	Assessment	Amount	Billed	30913	0	0	30913	30/07/20	31233	MDM041IA1Q162	05/08/20	PMC
26/04/20	Previous	Assessment	Amount	Billed	30913	0	0	30913	30/07/20	30913	MDM041IA1Q1483	19/05/20	PMC

Miscellaneous Bill Details									
Slip Cheque No	Slip Cheque Date	Dishonour Date	Account Description	Amount	Due date	Collection Date	Receipt No	Instal And / Cheque Amt / Pending Amt	Total Installments
0410619401	17-07-2019		61963-Shifting Charges(61904m)	150	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	17-07-2019		46942-Sgst	20.25	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	17-07-2019		62948-Rounding Off	0.5	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	17-07-2019		61955-Estimate Charges(61904e)	6783	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	17-07-2019		61916-Charges For Changing Of Meter At The Request Of The Consumer	50	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	17-07-2019		61907-Testing Fees	75	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	17-07-2019		46941-Cgst	20.25	31-07-2019	17-07-2019	MDM041AR25444		
0410619401	21-06-2019		46941-Cgst	9	05-07-2019	21-06-2019	MDM046IA1S1422		
0410619401	21-06-2019		61962-Appl And Regn_Fees(61909a)	100	05-07-2019	21-06-2019	MDM046IA1S1422		
0410619401	21-06-2019		46942-Sgst	9	05-07-2019	21-06-2019	MDM046IA1S1422		

Outstanding Bill Details				
Bill Month	Bill year	Acct. Description	Amount	Due date
			0	
Total:0				

Balance in advance amount is Rs.0

Amount for future bill adjustment as per consumer's request is Rs.0

Total dues to be paid in Rs.0

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You would be best viewed in Firefox, Firefox 24 and Google Chrome 31+ @ 1024 x 768 resolution

Asst. Eng. Engineer / O&M  
North / Metro / TANORDCO  
Arasaradi, Madurai-16.



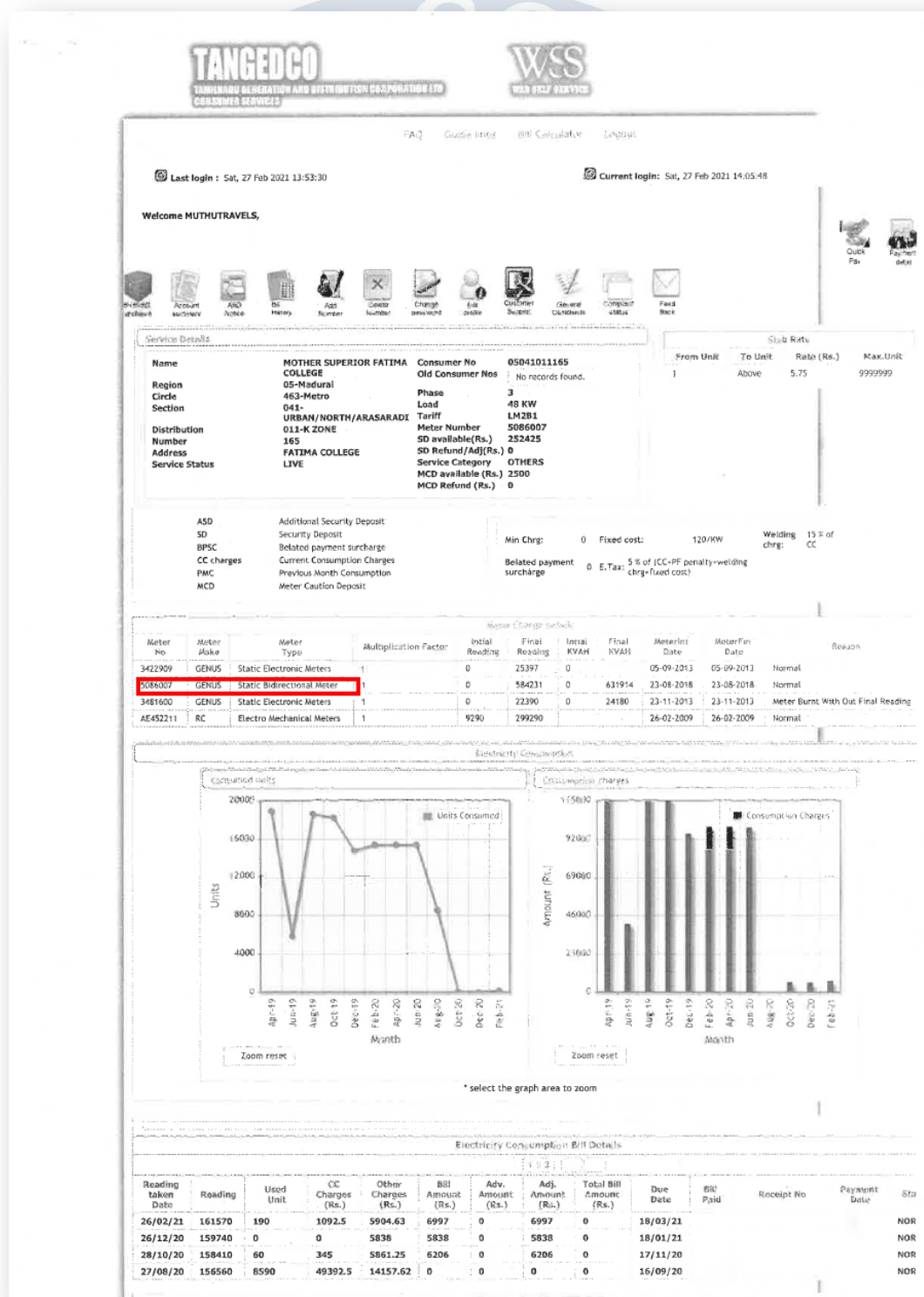
**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



**EB summary stating “Bi Directional Meter” for On grid solar roof top power plant(Madona Block)**





**Criterion : VII – Institution Innovative and Best Practices.**

**Metric : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures**

**Year : 2015-2020**



Electricity Consumption Bill Details

Reading taken Date	Reading	Used Unit	CC Charges (Rs.)	Other Charges (Rs.)	Bill Amount (Rs.)	Adv. Amount (Rs.)	Adj. Amount (Rs.)	Total Bill Amount (Rs.)	Due Date	Bill Paid	Receipt No	Payment Date	Slx
26/06/20	Previous	Assessment	Amount	Billed	98936	0	0	98936	30/07/20	99743	MDM041IA1Q161	05/08/20	PM
27/04/20	Previous	Assessment	Amount	Billed	98936	0	0	98936	30/07/20	98936	MDM041IA1Q1482	19/05/20	PM

Miscellaneous Bill Details

Slip Cheque No	Slip Cheque Date	Dishonour Date	Account Description	Amount	Due date	Collection Date	Receipt No	Install Amt/ Cheque Amt/ Pending Amt	Total Installments	Installment Status
	27-08-2020		AD004-AUTO DOOR LOCK ADJUSTMENT	35386				16345		
4120184159	04-10-2018		46941-Cgst	29.25	31-12-2018	12-11-2018	MDM041AR1Q651	59	1	0
4120184159	04-10-2018		46942-Sgst	29.25	31-12-2018	12-11-2018	MDM041AR1Q651	59	1	0
4120184159	04-10-2018		62948-Rounding Off	0.5	31-12-2018	12-11-2018	MDM041AR1Q651	59	1	0
0410718513	30-07-2018		61916-Charges For Changing Of Meter At The Request Of The Consumer	50	13-08-2018	30-07-2018	MDM041AR25808			
0410718513	30-07-2018		61963-Shifting Charges(61904m)	150	13-08-2018	30-07-2018	MDM041AR25808			
0410718513	30-07-2018		61907-Testing Fees	75	13-08-2018	30-07-2018	MDM041AR25808			
0410718513	30-07-2018		61955-Estimate Charges(61904e)	5650	13-08-2018	30-07-2018	MDM041AR25808			
0410718513	13-07-2018		61962-Appl And Regn_Fees(61909a)	100	27-07-2018	13-07-2018	MDM042AR15541			
4120172141	22-04-2017		48100-Cc Deposit	5150	07-06-2017	08-05-2017	MDM041AR1Q1085	5150	1	1

Outstanding Bill Details

Bill Month	Bill year	Acct. Description	Amount	Due date	Description
			0		
Total:0					
Balance in advance amount is Rs.0					
Amount for future bill adjustment as per consumer's request is Rs.16345					
Total dues to be paid in Rs.0					

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 The website is best viewed at 16.9x, medium 3x and large screen 3x or 2021x. Meters/Hours

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The website is built viewed as 16, 9x, Firefox 34 and Google chrome 34 on 2021-08-05 15:05:00

2/8/21  
Asst. Engr. / U&M  
North / Metro / TANGEDCO  
Arasaradi, Madurai-16.



Lat:9°56'54.8" Long:78°05'50.7" S196° 143M Fatima College (Autonomous)



Bates									
Bates									
Date	Wind	Bar	Therm	Therm	Therm	Therm	Therm	Therm	Therm
Date	Wind	Bar	Therm	Therm	Therm	Therm	Therm	Therm	Therm
2/2/12	3.4	3.11	3.25	12.4	24	3.2	3.2	3.2	3.2
2/3/12	3.1	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/4/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/5/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/6/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/7/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/8/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/9/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/10/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/11/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/12/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/13/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/14/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/15/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/16/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/17/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/18/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/19/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/20/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/21/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/22/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/23/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/24/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/25/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/26/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/27/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/28/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/29/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2
2/30/12	3.2	3.2	3.2	12.4	24	3.2	3.2	3.2	3.2

Lat:9°56'55.0" Long:78°05'49.8" SE129°144M Fatima College (Autonomous)



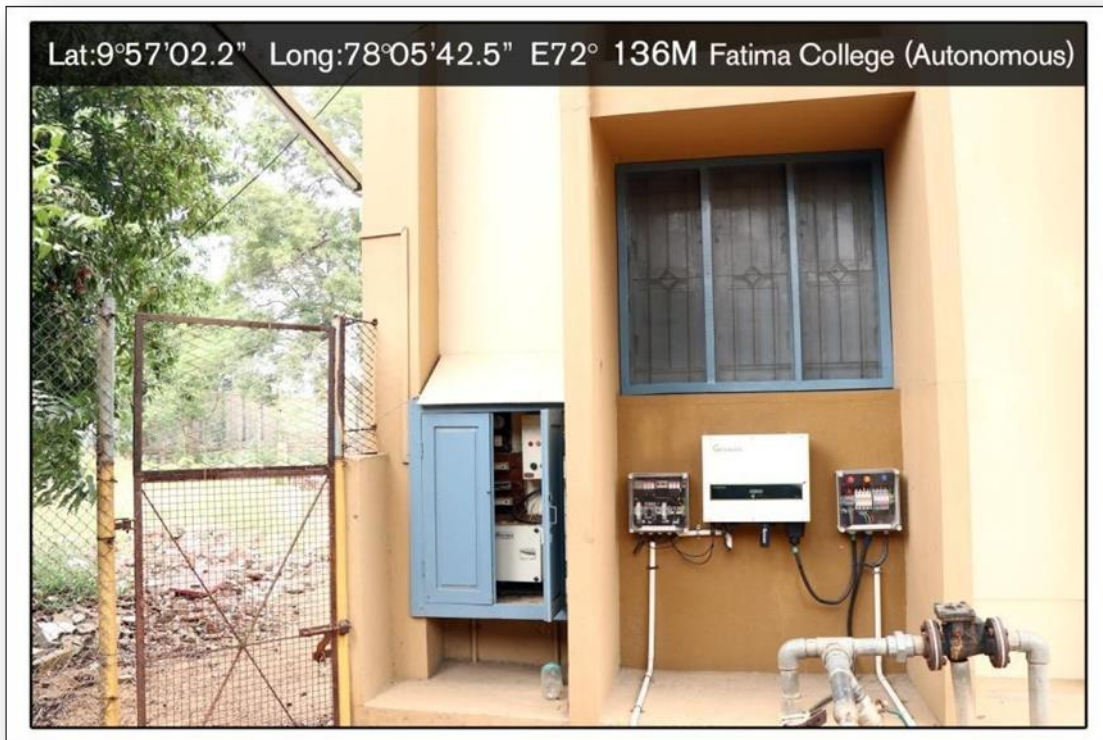
**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Net Meter (Hostel)





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## Sensor Based Energy Conservation

S.No	Items Designed by UG Physics Students
1	Fully automatic motion sensor hand free sanitizer
2	Automatic light for rest room
3	Water tank over flow alarm
4	Fire alarm

### Fully Automatic Motion Sensor Hand Free Sanitizer





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## Fully Automatic Motion Sensor Hand Free Sanitizer





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



## 5. Use of LED bulbs / Power efficient equipment

### List of LED Bulbs and Energy saving super fans in college Campus

S.No	Block	Energy Saving Super fans	LED Lights
1	Admin Block Office	48	57
2	Admin Block Left Wing	65	107
3	Admin Block Right Wing	33	96
	<b>Total</b>	<b>146</b>	<b>260</b>

Date: 18/03/2018 Page 1 Fatima college supervisor: Mrs.Jansi  
Site: Main Building, Fatima college, Madurai Fatima College Electrician: Mr.Anthony  
Vayikathi Project Manager: Mr.R.Jagatheesan

s.No	Room	LEDs	Fans	Remark
1	Admin veranda	14	0	
2	SP office	10	0	
3	College office	17	14	
4	Principal	8	5	1 of the fans X1 with remote
5	Vice principal	3	3	1 of the fans X1 with remote
6	Secretary	3	2	1 of the fans X1 with remote
7	Student rest room	1	0	
8	Lobby	5	1	
9	A8	1	4	
10	A7	1	3	
11	A6	1	3	
12	A5	1	3	
13	A4	1	2	
14	A1	3	3	
15	Rest room	1	0	
16	Veranda	3	0	
17	FE	2	4	
18	Ph. Room	1	1	
19	Chemistry Veranda	6	0	
20	Chemistry Staff Rest room	1	0	
21	Chemistry Bethany	3	2	
22	Chemistry Physical chem lab	8	2	
23	Chemistry Chem staff room	2	3	
24	Chemistry Chem lab-1	12	0	
25	Chemistry Prep room	3	0	
26	Chemistry Chem lab-2	3	0	
27	Chemistry Chem Gallery hall	5	4	
28	Physics veranda	8	0	
29	Physics Phy. Gallery hall	2	4	
30	Physics Phy.research lab	4	0	
31	Physics Phy.lab	32	16	
32	Physics Phy. staff room	4	2	
33	FRM - veranda	5	1	
34	FRM staff rest room	1	0	
35	FRM lab	0	4	
36	Bio-chem lab	4	1	
37	Textile lab	17	9	
38	HSC staff room	5	8	
39	R4	4	5	
40	R3	3	3	
41	R veranda	8	0	
42	R2	3	3	
43	R1	8	8	

Verified By: Please sign with date):

Mrs.Jansi Mr.Anthony Mr.R.Jagatheesan



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



Date: 18/07/2018

Site: Main Building, Fatima college, Madurai

Page 2

Fatima college supervisor: Mrs.Jansi

Fatima College Electrician: Mr.Anthony

Voylsakthi Project Manager: Mr.R.Jegatheesan

Sl.no	Room	LEDs	Fans	Remark
44	Museum	2	1	
45	Bio lab-1	8	10	
46	Bio-store	3	1	
47	Bio.staff	2	3	
48	Bot.lab	7	6	
49	BL H2	1	3	
50	BL H1	2	5	
51	BL - varanda	4	0	
52	With elec. Mr.Anthony	6	3	
	<b>Total</b>	<b>260</b>	<b>150</b>	

### List of LED Bulbs and Energy saving Super fans in Hostel

Block	LED lights	Fans
Amalita	55	45
Loretta	50	-
Marysown	22	-
Madona	22	-
Meritta	10	-
Pink room	6	-
Dinning hall	40	-
Common Toilets & Bathrooms	100	-
Office	6	2
Annunciata	15	-
<b>Total</b>	<b>326</b>	<b>47</b>



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### LED lights and Energy Savings super fans in Administrative Block.





**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### LED Lights (In Hostel)



Lat:9°57'01.6" Long:78°05'47.4" E69° 147M Fatima College (Autonomous)

### Energy Savings super fans (In Hostel)



Lat:9°57'00.6" Long:78°05'44.7" NE48° 148M Fatima College (Autonomous)



**Criterion** : VII – Institution Innovative and Best Practices.

**Metric** : 7.1.2 – Alternate Source of Energy and Energy Conservation Measures

**Year** : 2015-2020



### Energy Savings super fans (In Hostel)



### LED Lights in Indoor Stadium

