



*Mehr Chand Mahajan*  
*D.A.V. College for Women*  
*Sector 36-A, Chandigarh – 160036*  
*Phone: 0172-2603355, Fax: 0172-2613047*

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## Supporting Document for Criterion 7

### 7.1 - Institutional Values and Social Responsibilities

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures (***Any other relevant information***):

- Solar energy
- Biogas plant
- Wheeling to the Grid
- Sensor based energy conservation
- Use of LED bulbs/ power efficient equipment

IQAC, Coordinator

Offg. Principal

7.1.2 - The Institution has facilities for alternate sources of energy and energy

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy, Biogas plant, Wheeling to the Grid, Sensor based energy conservation, Use of LED bulbs/ power efficient equipment

A. 4 or All of the above:

- Solar energy,
- Biogas plant,
- Wheeling to the Grid,
- Use of LED bulbs/ power efficient equipment

1. Solar energy:

From July 1, 2023, to June 30, 2024, the existing solar panels generated a total of 3,44,115 units of electricity, as calculated on an average basis. Additionally, a **solar power tree** with a 10KWP capacity has been installed on the college campus, further enhancing the campus's commitment to renewable energy.

**Solar Power Tree**



7.1.2 - The Institution has facilities for alternate sources of energy and energy



**Solar Panels Installed in Campus**

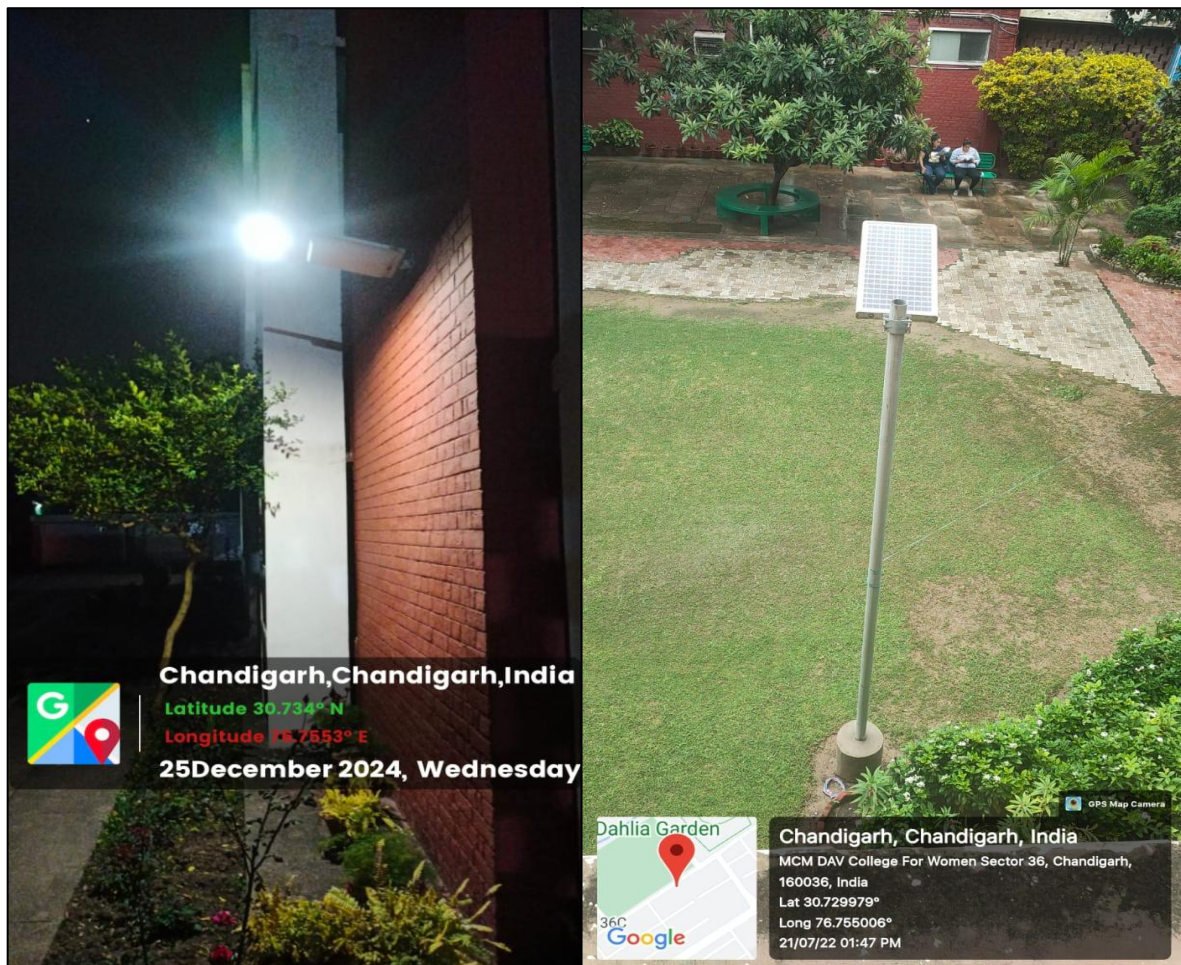
**7.1.2 - The Institution has facilities for alternate sources of energy and energy**

High-luminosity solar panels and lights have been installed on campus, significantly reducing electricity costs. The generated power integrates with the utility grid, supplying energy to the college building's electrical panel to meet part of its load, with any excess energy directed back to the grid. To promote energy conservation, stakeholders were engaged through lectures, workshops, and seminars. Additionally, the hostel is equipped with solar heating systems to provide hot water for residents.



**Solar Lights Installed in Campus**

7.1.2 - The Institution has facilities for alternate sources of energy and energy



Solar Lights Installed in Campus

7.1.2 - The Institution has facilities for alternate sources of energy and energy

Copies of Electricity Bills:

⑦				⑦	
Date	Billing Period	New Reading	Old Reading	Total Consumption / Net Consumption	Amount
15/07/2022	30/05/2022 to 30/06/2022	353843	348680	KWh 71445 units / 74715 units Export = 3270 Total Consumption / Net Consumption	3,39,180/- New
20/08/2022	30/06/2022 to 30/07/2022	357897	353843	KWh 60810 units / 57705 units Export = 3105 Total Consumption / Net Consumption	2,65,283/- New
23/09/2022	30/07/2022 to 30/08/2022	366708	357897	KWh 42165 units / 36045 units Export = 6180 Total Consumption / Net Consumption	1,72,368/- New
18/10/2022	30/08/2022 to 30/09/2022	366089	360708	KWh 80715 units / 79305 units Export = 1410 Total Consumption / Net Consumption	3,60,430/- New
16/11/2022	30/09/2022 to 30/10/2022	369212	366089	46845 units / 35100 units Export = 11745	1,67,642/- New
16/12/2022	30/10/2022 to 30/11/2022	371749	369212	38055 units / 29040 units Export = 9015 Banked Units = 0	1,31,766/- New
13/01/2023	30/11/2022 to 30/12/2022	374200	371749	36765 units / 30135 units Export = 6630 Banked = 0	1,36,361/- New
11/02/2023	30/12/2022 to 30/01/2023	376584	374200	35760 units / 29175 units Export = 6585 Banked units = 0	1,36,182/- New
15/03/2023	30/01/2023 to 28/02/2023	379118	376584	38010 units / 27795 units Export = 10215 Banked units = 0	1,30,586/- New
15/04/2023	28/02/2023 to 28/03/2023	Average Basis	379118	110410 units	1,90,833/- New
17/05/2023	28/03/2023 to 30/04/2023	Average Basis	379118	50100 units (Average Basis) Due to Dismantling of CTPP unit (Average Basis)	2,36,086/- New
14/06/2023	28/04/2023 to 30/05/2023	Average Basis	379118	72760 units	4,07,900/- New
13/07/2023	28/05/2023 to 30/06/2023	Average Basis	379118	Bill on Average Basis	3,59,457/- New
18/09/2023	28/07/2023 to 30/08/2023	Average Basis	379118	Bill on Average Basis (60,810 unit)	2,84,433/- New
15/09/2023	28/08/2023 to 30/09/2023	Average Basis	379118	Bill on Average Basis (49,165 unit)	2,00,315/- New
16/10/2023	29/09/2023 to 30/10/2023	Average Basis	379118	Bill on Average Basis (20,715 unit)	2,74,205/- New
⑧				⑧	
Date	Billing Period	New Reading	Old Reading	Total Consumption / Net Consumption	Amount
15-11-23	28/09/2023 to 30/10/2023	Average Basis	379118	Bill on Average Basis (46845 unit)	2,21,451/- + 20/- New
18-12-23	28/10/2023 to 30/11/2023	Average Basis	379118	Bill on Average Basis (38055 unit)	1,81,809/- + 20/- New
19-01-24	28/11/2023 to 30/12/2023	Average Basis 381610	379118	Bill on Average 36765 Units	1,75,991/- + 20/- New
15-02-24	28/12/2023 to 30/01/2024	Average Basis 384494	379118	Bill on Average 35760 Units	1,71,457/- + 20/- New
15-03-24	28/01/2024 to 29/02/2024	Average Basis 387275	379118	Bill on Average 38010 Units	1,81,605/- + 20/- New
18-04-24	28/02/2024 to 30/03/2024	389630	379118	Bill on Average basis 40410 Unit	1,93,429/- New
*17-05-24	31/12/2023 to 30/04/2024	393829	381099	Bill on Average calculation 190950 Unit (on Average highest of all previous months)	7,65,039/- New
21-06-24	30/04/2024 to 30/05/2024	399664	393829	Total Consumption 87585 Export 1230 Net Cons. 86,295	4,64,831/- New
18-07-24	30/05/2024 to 30/06/2024	400713	399664	Total Consumption = 15735 Export 15300 Net Cons = 425	13,162/- New
14-08-24	30/06/2024 to 30/07/2024	404000	400713	Total Consumption = 49305 Export 6555 Net Cons = 42750	2,03,003/- New
19/09/2024	30/07/2024 to 30/08/2024 (meter working)	410835	404000	Total Consumption = 108505 Export 91620 Net Cons = 10905	57,669/- New
21/10/2024	30/08/2024 to 30/09/2024	00 (CTPT Not Working)	410835	Total Consumption (Avg) = 80715 Meter not Working Net Cons = 80715	3,74,225/- New
20/11/2024	30/09/2024 to 30/10/2024	00	410835	Total Consumption (Avg) = 46845 CTPT Meter not Working Net = 46845	2,21,471/- New

7.1.2 - The Institution has facilities for alternate sources of energy and energy

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CHANDIGARH ELECTRICITY DEPARTMENT (BILL-CUM-NOTICE)										481	
Account No 307SL0716271RX											
Account No.	307SL0716271RX			Bill No	005391		Bill Date	11/07/2023		Net Amount	359457.00
Tariff Category	HT-DOMESTIC			Bill Cycle / Group	7/1		Bill Period	1.0		Due Date Cash	XX/XX/XXXX
Meter Reading From	28/02/2023			To	30/09/2023		Bill Type	BILL ON AVERAGE		Due Date Charge / DD /Debit /Credit Card/ Net Banking	26/07/2023
PRINCIPAL NCM COLLEG				Connected Load	994.000		Contract Demand				800.000
0000 36A				Solar Capacity (KWp)	205.00		Capacitor Status				
				Meter No.	CHSEP0007		Meter Status				METER DEFECTIVE
				Supply Voltage	11.000		Metering Voltage				11.000
Elec Op Sub Divn:	7 Sector- SEC 35			Security Amount	298076		Security Paid				298076
Telephone No-	2602524										
Consumption Details											
Type of Reading	Bill Status	Meter Reading		Meter Multiplier	CT Multiplier	Old Meter Units	Total Consumption	AA No- Dt of Energization	Last Payment Dt	Amount of Last Payment	Power Factor
		New	Old								
Import		0	379118	15.000	01/01	0	77445	00083934	16/02/2006	407920	0.00
Export		0	68080	15.000	01/01	0	0				
KVAH Import		0	413547	15.000	01/01	0	0				
Export		0	68120	15.000	01/01	0	0.00				
MDI Import		0.00		15.000	01/01						
				Net KWH Consumption	77445 (Bank Units)		0		Amount of Bank Units		
Last Six Cycle Consumptions											
Cycle1	72960	Cycle2	50100	Cycle3	40410	Cycle4	38010	Cycle5	35760	Cycle6	36765
Bill Details:											
Charges				Rebates / Allowances							
Description	Amount In Rs.		Description	Amount In Rs.							
Consumption Charges	333914.00		Sundry Allowances	0.00							
FFPCA	0.00		Adjust. of Prev. Bill	0.00							
Electricity Duty	6970.00		Power Factor Incentive	0.00							
Fixed Charges	10205.00		Prompt Payment Rebate	0							
LT Surcharge	0.00		Advance Payment Rebate	0							
Capacitor Surcharge	0.00		ACD Interest	0							
Power Factor Surcharge	0.00		Other Rebates	0							
Demand Surcharge	0.00		Sub-judicial Amount	0							
Fundry Charges	0.00										
Arrears	-20.00										
Lamp Charges	0.00										
Meter Rentals	0										
Other Charges											
Additional ACD	0										
MC Tax	8293.00										
Scan By Due Date				Scan After Due Date							
		Amount Payable by Due Date				Amount Payable After Due Date					
		359457				366321					
		6864				2023-2024					
		366321									
<p><b>24X7 Electricity Complaints</b></p> <p>1. CFC - 0172-4639999</p> <p>2. S/Divn-0172</p> <p>If not Satisfied Approach to:-</p> <p>Consumer Grievances Redressal Forum Old B&amp;R Building, Adjacent To office Of Haryana Tax Tribunal, Sector-19B, Chandigarh.</p> <p>Email: chairmancgrf@gmail.com</p> <p><b>BURSAR</b></p> <p>MCM D.A.V. College for Women Sector - 36 - A, Chandigarh</p> <p>Rs. 359457</p> <p>Checked &amp; Passed for Rs. 3,59,477</p> <p><i>[Signature]</i> Principal</p>											

7.1.2 - The Institution has facilities for alternate sources of energy and energy

**CHANDIGARH ELECTRICITY DEPARTMENT (BILL-CUM-NOTICE)**

Account No 3075L0716271RX 479

Account No.	3075L0716271RX	Bill No.	005507	Bill Date	12/12/2023	Net Amount	181809.00
Tariff Category	HT-DOMESTIC	Bill Cycle / Group	12-1	Bill Period	1.0	Due Date Cash	XX/XX/XXXX
Meter Reading From	28/02/2023	To	30/11/2023	Bill Type	BILL ON AVERAGE	Due Date Cheque / DD /Debit /Credit Card/ Net Banking	27/12/2023
PRINCIPAL MCM COLLEGE		Connected Load	994.000	Contract Demand			800.000
0000 30A		Solar Capacity (KWP)	205.00	Capacitor Status			
Eachy Op Sub Divn		Meter No.	CH9EP00007	Meter Status			METER DEFECTIVE
Telephone No.	2602524	Supply Voltage	11.000	Metering Voltage			11.000
		Security Amount	298076	Security Paid			298076

Type of Reading	Bill Status	Meter Reading		Meter Multiplier	CT Multiplier	Old Meter Units	Total Consumption	AA No-	Dt of Energization
		New	Old						
Import	0	379118	15.000	01/01	0	38055	00033934	16/02/2006	
Export	0	68080	15.000	01/01	0	0	21/11/2023	21/11/2023	
KVAH Import	0	413547	15.000	01/01	0	0	221471	Amount of Last Payment	
Export	0	68120	15.000	01/01	0	0	0.00	Power Factor	
UDI Import	0.00		15.000	01/01	0	0.00			
Net KWH Consumption		38055		Bank Units	0		Amount of Bank Units		

Cycle1	46845	Cycle2	80715	Cycle3	42165	Cycle4	60810	Cycle5	77445	Cycle6	72960
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Charges		Rebates / Allowances	
Description	Amount in Rs.	Description	Amount in Rs.
Consumption Charges	163637.00	Supply Allowances	0.00
FRPCA	0.00	Adjust of Prev. Bill	0.00
Electricity Duty	3425.00	Power Factor Incentive	0.00
Fixed Charges	10200.00	Prompt Payment Rebate	0.00
LT Surcharge	0.00	Advance Payment Rebate	0.00
Capacitor Surcharge	0.00	ACD Interest	0.00
Power Factor Surcharge	0.00	Other Rebates	0.00
Demand Surcharge	0.00	Sub-judiced Amount	0.00
Bundly Charges	0.00		
Amers	-20.00		
Lamp Charges	0.00		
Water Rentals	0.00		
Other Charges			
Additional ACD	0.00		
VAT Tax	4567.00		

**24X7 Electricity Complaints**

- CFC - 0172-4639999
- S/Divn-0172

If not Satisfied Approach to:-  
**Consumer Grievances Redressal Forum**  
 Old B&R Building,  
 Adjacent To office Of Haryana Tax Tribunal, Sector-19B,  
 Chandigarh.  
 Email: chairmancgrf@gmail.com

<p>Amount Payable by Due Date: <b>181809</b></p> <p>Surcharge: <b>3476</b></p> <p>Amount Payable After Due Date: <b>185285</b></p>	<p>Scan After Due Date</p>
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**\*Register yourself as a voter by filling Form 6 online through Voter Helpline App, by visiting www.voters.eci.gov.in, or by contacting your area's Booth Level Officer\*. Call 1950**

**"Even 17 plus can now apply in advance in the Electoral Roll. Register today through Voter Helpline App, www.voters.eci.gov.in or contact your area's Booth Level Officer." Call 1950.**



7.1.2 - The Institution has facilities for alternate sources of energy and energy

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CHANDIGARH ELECTRICITY DEPARTMENT (BILL-CUM-NOTICE)										480	
Account No 3075L0716271RX											
Account No.	3075L0716271RX			Bill No.	005984		B# Date	14/01/2024		Net Amount	175991.00
Tariff Category	HT-DOMESTIC	B# Cycle / Group	1/1	Bill Period			1.0			Due Date Cash	XX/XX/XXXX
Meter Reading From	28/03/2023	To	30/12/2023	Bill Type	BILL ON AVERAGE				Due Date Cheque / DD / Debit / Credit Card / Net Banking	29/03/2024	
PRINCIPAL MCM COLLED				Connected Load	994.000		Contract Demand			800.000	
0000 36A				Solar Capacity (KWp)	205.00		Capacitor Status				
				Meter No.	CH9EP00007		Meter Status			METER DEFECTIVE	
Electy Op Sub Divn	7	Sector-	SEC 35	Supply Voltage	11.000		Metering Voltage			11.000	
Telephone No.	2902524			Security Amount	298076		Security Paid			298076	
Consumption Details											
Type of Reading	Bill Status	Meter Reading		Meter Multiplier	CT Multiplier	Old Meter Units	Total Consumption	AA No- Dt of Energization	00083934		
		New	Old						15/02/2006		
KVAH	Import	381610	379118	15.000	01/01	0	36765	Last Payment Dt	26/12/2023		
	Export	68853	68080	15.000	01/01	0	0	Amount of Last Payment	181829		
KVAH	Import	418077	413547	15.000	01/01	0	0	Power Factor	0.00		
	Export	68903	68120	15.000	01/01	0	0				
MCI	Import	0.48		15.000	01/01		7.00				
				Net KWH Consumption	36765	Bank Units	0	Amount of Bank Units	---		
Last Six Cycle Consumptions											
Cycle1	38055	Cycle2	46845	Cycle3	80715	Cycle4	42165	Cycle5	60810	Cycle6	77445
Bill Details											
Charges				Rebates / Allowances				<div style="text-align: center;"> <b>24X7 Electricity Complaints</b>                      1. CFC - 0172-4639999                      2. S/Divn-0172                      If not Satisfied Approach to:-  <b>Consumer Grievances Redressal Forum</b>                      Old B&amp;R Building,                      Adjacent To office Of Haryana Tax Tribunal, Sector-19B,                      Chandigarh.                      Email: chairmancgrf@gmail.com                 </div>			
Description	Amount In Rs.	Description	Amount In Rs.								
Consumption Charges	158090.00	Sundry Allowances	0.00								
FRPCA	0.00	Adjust. of Prev. Bill	0.00								
Electricity Duty	3309.00	Power Factor Incentive	0.00								
Fixed Charges	10200.00	Prompt Payment Rebate	0								
Remissory Surcharge	0.00	Advance Payment Rebate	0								
Surcharge	0.00	ACD Interest	0								
Capacitor Surcharge	0.00	Other Rebates	0								
Power Factor Surcharge	0.00	Sub-judiced Allowance	0								
Demand Surcharge	0.00										
Sundry Charges	0.00										
Arrear	20.00										
Lamp Charges	0.00										
Meter Rentals	0										
Other Charges		Checked & Paid	175011								
Additional ACD	0										
MCTax	4412.00										
Scan By Due Date				Scan After Due Date							
	Amount Payable by Due Date	175991									
	Surcharge	3365									
	Amount Payable After Due Date	179356									
"Even 17 plus can now apply in advance in the Electoral Roll. Register today through Voter Helpline App, www.voters.eci.gov.in or contact your area's Booth Level Officer." Call 1950.											

7.1.2 - The Institution has facilities for alternate sources of energy and energy

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Main

CHANDIGARH ELECTRICITY DEPARTMENT (BILL-CUM-NOTICE)										452	
Account No 307SL0716271RX											
Account No.	307SL0716271RX			Bill No.	006181		Bill Date	11/03/2024		Net Amount	181605.00
Tariff Category	HT-DOMESTIC		Bill Cycle / Group	3/1		Bill Period	1.0		Due Date Cash	XXXX/XXXX	
Meter Reading From	28/02/2023		To	29/02/2024		Bill Type	BILL ON AVERAGE		Due Date Cheque / DD / Debit / Credit Card / Net Banking	26/03/2024	
PRINCIPAL, MCM COLLEGE				Connected Load	994.000		Contract Demand			800.000	
0000 3WA				Solar Capacity (KW)	205.00		Capacitor Status				
				Meter No.	CH0EP0007		Meter Status			METER DEFECTIVE	
Electy. Op. Sub Divn.	7 Sector-		SEC 35	Supply Voltage	11.000		Meatring Voltage			11.000	
Telephone No.	2000524			Security Amount	298076		Security Paid			298076	
<b>Consumption Details</b>											
Type of Reading	Bill Status	Meter Reading		Meter Multiplier	CT Multiplier	Old Meter Units	Total Consumption	AA No- Dt of Energization	00082614		
		New	Old						16/02/2006		
KWH	Import	367279	379118	15.000	01/01	0	38010	Last Payment Dt	20/02/2024		
	Export	89990	88080	15.000	01/01	0	0	Amount of Last Payment	171477		
KVAH	Import	421877	413547	15.000	01/01	0	0	Power Factor	0.00		
	Export	69390	68120	15.000	01/01	0	0				
MDI	Import	12.06		15.000	01/01	0	181.00				
			Net KWH Consumption			38010	Bank Units	0		Amount of Bank Units	
<b>Last Six Cycle Consumptions</b>											
Cycle1	35760	Cycle2	36765	Cycle3	38055	Cycle4	46045	Cycle5	80715	Cycle6	42165
<b>Bill Details</b>											
<b>Charges</b>				<b>Rebates / Allowances</b>				<b>24X7</b>			
Description	Amount in Rs.		Description		Amount in Rs.		<b>Electricity Complaints</b>				
Consumption Charges	183443.00		Sundry Allowances		0.00		<p>1. CFC - 0172-4639999</p> <p>2. S/Divn-0172 2602524</p> <p><b>Not Satisfied Approach to:-</b></p> <p><b>Consumer Grievances Redressal Forum</b> Old B&amp;R Building, Adjacent To office Of Haryana Tax Tribunal, Sector-19B, Chandigarh.</p> <p>Email: chairmancgrf@gmail.com</p> <p>"Register yourself as a voter by filling Form 6 online through Voter Helpline App, by visiting www.voters.eci.gov.in, or by contacting your area's Booth Level Officer". Call 1950</p> <p>"Even 17 plus can now apply in advance in the Electoral Roll. Register today through Voter Helpline App, www.voters.eci.gov.in or contact your area's Booth Level Officer." Call 1950.</p>				
TPPCA	0.00		Adjust. of Prev. Bill		0.00						
Power Factor Incentive	3421.00		Power Factor Incentive		0.00						
Paid Charges	10200.00		Prompt Payment Rebate		0.00						
Regulatory Surcharge	0.00		Advance Payment Rebate		0.00						
Interest Charge	0.00		ACD Interest		0.00						
Capacitor Surcharge	0.00		Other Rebates		0.00						
Power Factor Surcharge	0.00		Sub-judicial Award		0.00						
Demand Surcharge	0.00		Suprit.		0.00						
Sundry Charges	0.00		Signature		0.00						
Amicus	Rs. 181605		Checked & Passed for Rs. 181605		0.00						
Lamp Charges	0.00		Principal		0.00						
Meter Pointing	0.00				0.00						
Other Charges	Rs. 181605				0.00						
Additional ACD	0.00				0.00						
MC Tax	4561.00				0.00						
<b>Scan By Due Date</b>				<b>Scan After Due Date</b>							
	Amount Payable by Due Date		181605			Amount Payable After Due Date		185077			
	Surcharge		3472								
	Amount Payable After Due Date		185077								

MCM D.A.V. College for Women  
Sector - 30 A, Chandigarh

### Bills related to Installation of Solar Power Tree

Printed on 27-Mar-24 at 14:52

**Tax Invoice**

<b>7 Billion solar energies</b> PLOT NO- F 30, INDUSTRIAL AREA PHASE B MOHALI Punjab - 160062, India GSTIN/UIN: 03BLAPS4159N2ZR State Name : Punjab, Code : 03 E-Mail : 7billionenergy@gmail.com Consignee (Ship to) <b>D. A. V. COLLEGE FOR WOMEN</b> MEHR CHAND MAHAJAN, SEC 36-A, CHANDIGARH Chandigarh - 160036, India State Name : Chandigarh, Code : 04		Invoice No.	Dated
		7BSE0368	21-Mar-24
		Delivery Note	Mode/Terms of Payment
		Reference No. & Date.	Other References
		G.R. Date	Delivery Note Date
		21-Mar-24	
		Dispatched through	Destination
		MOHALI	CHANDIGARH
		Bill of Lading/LR-RR No.	Motor Vehicle No.
		dt. 21-Mar-24	CH01TA7289
		Terms of Delivery	
Buyer (Bill to) <b>D. A. V. COLLEGE FOR WOMEN</b> MEHR CHAND MAHAJAN, SEC 36-A, CHANDIGARH Chandigarh - 160036, India State Name : Chandigarh, Code : 04 Place of Supply : Chandigarh			

Sl No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate (incl. of Tax)	Rate per	Amount
1	<b>SOLAR PV MODULE</b>	8541	12 %	<b>18 PCS</b>	13,328.00	11,900.00 PCS	<b>2,14,200.00</b>
	<b>IGST</b>						<b>25,704.00</b>
				<b>Total</b>	<b>18 PCS</b>		<b>₹ 2,39,904.00</b>

\*Certified that we members of the purchase committee are jointly and individually satisfied that the goods recommended for purchase are of requisite specification and quality, priced at the prevailing market rate and the supplier recommended is reliable and competent to supply the goods in question.\*

Supply, Installation and Commissioning for 10 kW Solar Power Tree Project

On Payment No. 048 Bill Entry  
 Registrar  
 Dept.

577  
 Vendor's Signature  
 Date

Amount Chargeable (in words)			
<b>INR Two Lakh Thirty Nine Thousand Nine Hundred Four Only</b>			
<i>E &amp; O E</i>			
HSN/SAC	Taxable Value	Integrated Tax Rate	Total Tax Amount
8541	2,14,200.00	12%	25,704.00
<b>Total</b>			<b>25,704.00</b>

Tax Amount (in words) **INR Twenty Five Thousand Seven Hundred Four Only**

Checked & Passed for Rs. **239,904/-**  
 as per procedure followed.

Declaration: We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature: \_\_\_\_\_  
 Prepared by: \_\_\_\_\_ Verified by: \_\_\_\_\_ Authorised Signatory: \_\_\_\_\_

This is a Computer Generated Invoice

7.1.2 - The Institution has facilities for alternate sources of energy and energy

Printed on 27-Mar-24 at 14:58

### Tax Invoice

<p><b>7 Billion solar energies</b>                  PLOT NO- F 30, INDUSTRIAL AREA PHASE 8                  MOHALI                  Punjab - 160062, India                  GSTIN/UIN: 03BLAPS4159N2ZR                  State Name : Punjab, Code : 03                  E-Mail : 7billionenergy@gmail.com                  Consignee (Ship to)  <b>D. A. V. COLLEGE FOR WOMEN</b>                  MEHR CHAND MAHAJAN, SEC 36-A, CHANDIGARH                  Chandigarh - 160036, India                  State Name : Chandigarh, Code : 04</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Invoice No. <b>7BSE0274</b></td> <td>Dated <b>27-Mar-24</b></td> </tr> <tr> <td>Delivery Note</td> <td>Mode/Terms of Payment</td> </tr> <tr> <td>Reference No. &amp; Date.</td> <td>Other References</td> </tr> <tr> <td>G.R. Date <b>27-Mar-24</b></td> <td>Delivery Note Date</td> </tr> <tr> <td>Dispatched through <b>MOHALI</b></td> <td>Destination <b>CHANDIGARH</b></td> </tr> <tr> <td>Bill of Lading/LR-RR No. <b>dt. 27-Mar-24</b></td> <td>Motor Vehicle No.</td> </tr> <tr> <td>Terms of Delivery</td> <td></td> </tr> </table>	Invoice No. <b>7BSE0274</b>	Dated <b>27-Mar-24</b>	Delivery Note	Mode/Terms of Payment	Reference No. & Date.	Other References	G.R. Date <b>27-Mar-24</b>	Delivery Note Date	Dispatched through <b>MOHALI</b>	Destination <b>CHANDIGARH</b>	Bill of Lading/LR-RR No. <b>dt. 27-Mar-24</b>	Motor Vehicle No.	Terms of Delivery	
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Terms of Delivery															
<p>Buyer (Bill to)  <b>D. A. V. COLLEGE FOR WOMEN</b>                  MEHR CHAND MAHAJAN, SEC 36-A, CHANDIGARH                  Chandigarh - 160036, India                  State Name : Chandigarh, Code : 04                  Place of Supply : Chandigarh</p>															

SI No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate (Incl. of Tax)	Rate	per	Amount															
1	<b>SOLAR POWER TREE</b> 10KW ON GRID SOLAR INVETER SOLAR STRUCTURE	85414019	12 %	1 nos	2,60,095.00	2,32,227.68	nos	2,32,227.68															
	<b>IGST</b>							27,867.32															
<p>"Certified that we members of the purchase committee are jointly and individually satisfied that the goods recommended for purchase are of requisite specification and quality, priced at the prevailing market rate and the supplier recommended is reliable and competent to supply the goods in question."</p> <p style="text-align: right; font-size: 1.2em;">Supply, Installation and Commissioning of 10 kW Solar Tree</p>																							
<p>Bill Entered at S. No. <u>576</u>                  On Page No. <u>048</u> of Bill Entry Register                  Supdt. <i>[Signature]</i>      A/c Clerk <i>[Signature]</i></p>		<p><i>[Signature]</i>                  Vendor  <i>[Signature]</i>                  Maker</p>		<p><i>[Signature]</i>                  11/4  <i>[Signature]</i>                  2/11</p>		<p>Total</p>		<p><b>1 nos</b>          <b>₹ 2,60,095.00</b></p>															
<p>Amount Chargeable (in words) <b>INR Two Lakh Sixty Thousand Ninety Five Only</b> <span style="float: right;">E. &amp; O.E</span></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>HSN/SAC</th> <th>Taxable Value</th> <th>Integrated Tax Rate</th> <th>Integrated Tax Amount</th> <th>Total Tax Amount</th> </tr> </thead> <tbody> <tr> <td>85414019</td> <td>2,32,227.68</td> <td>12%</td> <td>27,867.32</td> <td>27,867.32</td> </tr> <tr> <td style="text-align: right;"><b>Total</b></td> <td><b>2,32,227.68</b></td> <td></td> <td><b>27,867.32</b></td> <td><b>27,867.32</b></td> </tr> </tbody> </table> <p>Tax Amount (in words) : <b>INR Twenty Seven Thousand Eight Hundred Sixty Seven and Thirty Two paise Only</b></p>									HSN/SAC	Taxable Value	Integrated Tax Rate	Integrated Tax Amount	Total Tax Amount	85414019	2,32,227.68	12%	27,867.32	27,867.32	<b>Total</b>	<b>2,32,227.68</b>		<b>27,867.32</b>	<b>27,867.32</b>
HSN/SAC	Taxable Value	Integrated Tax Rate	Integrated Tax Amount	Total Tax Amount																			
85414019	2,32,227.68	12%	27,867.32	27,867.32																			
<b>Total</b>	<b>2,32,227.68</b>		<b>27,867.32</b>	<b>27,867.32</b>																			
<p>Checked &amp; Passed for Rs. <u>260,095/-</u>                  As per procedure followed  <b>BURSAR</b>                  MCM D.A.V. College for Women                  Sector - 36-A, Chandigarh                  Principal <i>[Signature]</i></p>		<p>Company's Bank Details                  A/c Holder's Name: 7 Billion Solar Energies                  Bank Name : HDFC Bank                  A/c No. : 5020003219951                  Branch &amp; IFS Code: PHASE 7 MOHALI &amp; POF00000056                  SWIFT Code :</p>		<p>Declaration                  We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.</p>		<p>Customer's Seal and Signature</p>		<p>for 7 Billion solar energies</p>															
<p>Prepared by <i>[Signature]</i></p>		<p>Verified by <i>[Signature]</i></p>		<p>Authorised Signatory <i>[Signature]</i></p>																			

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7.1.2 - The Institution has facilities for alternate sources of energy and energy

2. Biogas plant:

Our Biogas Plant is a 'Waste to Energy' initiative and a true representation of scientific and sustainable waste management system. This initiative has been taken to manage all the leftover food waste generated



from canteen and mess units of the college campus. The size of the biogas reactor is 5 cubic meter. The biogas plant consists of a feeding tank, anaerobic digester, slurry tank and gas pipeline. The leftover food waste generated (around 60-70 kg of solid food waste per day) in the college hostels is fed to the biogas feeding tank in form a slurry. By anaerobic degradation and processing, approx. in 24 days, green and clean biogas equivalent to 1 LPG cylinder (14.2 Kg gas) is generated which is used in the college canteen. The installation of biogas plant in the campus helps to save LPG fuel up to 8 Kg/day and by changing "Waste to Energy" through this project, money required for ~11 LPG cylinders is recovered. Thus, proving the worthiness of



7.1.2 - The Institution has facilities for alternate sources of energy and energy

Biogas Unit E-logbook Records:

MCM Biogas Unit E-Logbook Of July 2023

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)	
1	1.7.2023	41	20	61	100%	100%	12	
2	2.7.2023	42	22	64	100%	100%	13	
3	3.7.2023	40	21	61	100%	100%	11	
4	4.7.2023	41	21	62	100%	100%	12	
5	5.7.2023	40	20	60	100%	100%	13	
6	6.7.2023	42	19	61	100%	100%	14	
7	7.7.2023	41	20	61	100%	100%	13	
8	8.7.2023	40	19	59	100%	100%	12	
9	9.7.2023	40	20	60	100%	100%	12	
10	10.7.2023							
11	11.7.2023							
12	12.7.2023							
13	13.7.2023	Due to heavy rains , the feeding in compost pits and biogas plant remained suspended ✓						
14	14.7.2023	81	14	65	100%	100%	12	
15	15.7.2023	60	15	65	100%	100%	13	
16	16.7.2023	49	17	66	100%	100%	13	
17	17.7.2023	50	19	69	100%	100%	12	
18	18.7.2023	47	16	63	100%	100%	11	
19	19.7.2023	45	13	59	100%	100%	13	
20	20.7.2023	48	14	62	100%	100%	14	

708 kg

21	21.7.2023	49	15	64	100%	100%	12
22	22.7.2023	45	14	60	100%	100%	14
23	23.7.2023	44	16	60	100%	100%	12
24	24.7.2023	42	18	60	100%	100%	12
25	26.7.2023	40	19	59	100%	100%	11
26	26.7.2023	41	22	63	100%	100%	10
27	27.7.2023	40	24	64	100%	100%	12
28	28.7.2023	41	25	66	100%	100%	12
29	29.7.2023	42	25	67	100%	100%	11
30	30.7.2023	41	22	63	100%	100%	12
31	31.7.2023	42	24	66	100%	100%	12

1176 kg      538 kg

*Raw*

AQAR 2023-24

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**MCM Biogas Unit E-Logbook Of Aug 2023**

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)
1	1.8.2023	41	63	104	100%	100%	13
2	2.8.2023	43	65	108	100%	100%	16
3	3.8.2023	47	67	114	100%	100%	11
4	4.8.2023	42	62	104	100%	100%	12
5	5.8.2023	43	66	109	100%	100%	14
6	6.8.2023	45	63	108	100%	100%	11
7	7.8.2023	45	65	111	100%	100%	14
8	8.8.2023	43	66	109	100%	100%	14
9	9.8.2023	44	65	109	100%	100%	15
10	10.8.2023	44	62	106	100%	100%	13
11	11.8.2023	42	68	110	100%	100%	9
12	12.8.2023	47	60	107	100%	100%	14
13	13.8.2023	42	67	109	100%	100%	17
14	14.8.2023	47	62	109	100%	100%	14
15	15.8.2023	41	68	107	100%	100%	15
16	16.8.2023	45	65	110	100%	100%	13
17	16.8.2023	44	62	106	100%	100%	12
18	17.8.2023	44	62	106	100%	100%	11
19	18.8.2023	43	66	109	100%	100%	11
20	19.8.2023	42	66	108	100%	100%	12
20	20.8.2023	44	65	109	100%	100%	11

21	21.8.2023	43	64	107	100%	100%	13
22	22.8.2023	44	63	107	100%	100%	13
23	23.8.2023	42	63	105	100%	100%	12
24	24.8.2023	41	64	105	100%	100%	12
25	25.8.2023	45	66	111	100%	100%	11
26	26.8.2023	44	64	108	100%	100%	13
27	27.8.2023	43	65	108	100%	100%	12
28	28.8.2023	44	63	107	100%	100%	12
29	29.8.2023	46	62	108	100%	100%	10
30	30.8.2023	43	64	107	100%	100%	11
31	31.8.2023	43	65	108	100%	100%	10

7.1.2 - The Institution has facilities for alternate sources of energy and energy

**MCM Biogas Unit E-Logbook of Sept 2023**

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)
1	1.9.2023	40	62	102	100%	100%	11
2	2.9.2023	42	63	105	100%	100%	13
3	3.9.2023	43	62	105	100%	100%	15
4	4.9.2023	45	65	110	100%	100%	12
5	5.9.2023	55	64	119	100%	100%	12
6	6.9.2023	43	63	106	100%	100%	14
7	7.9.2023	44	62	106	100%	100%	12
8	8.9.2023	45	64	109	100%	100%	12
9	9.9.2023	44	66	110	100%	100%	13
10	10.9.2023	45	64	109	100%	100%	11
11	11.9.2023	45	65	110	100%	100%	9
12	12.9.2023	43	62	105	100%	100%	11
13	13.9.2023	46	63	109	100%	100%	13
14	14.9.2023	47	64	111	100%	100%	12
15	15.9.2023	43	66	109	100%	100%	14
16	16.9.2023	42	66	108	100%	100%	13
17	17.9.2023	41	65	106	100%	100%	12
18	18.9.2023	42	66	108	100%	100%	13
19	19.9.2023	43	65	108	100%	100%	12
20	20.9.2023	44	64	108	100%	100%	11

*Sham* *AS*

21	21.9.2023						
22	22.9.2023	45	63	108	100%	100%	12
23	23.9.2023	44	63	107	100%	100%	13
24	24.9.2023	43	64	107	100%	100%	12
25	25.9.2023	40	64	104	100%	100%	11
26	26.9.2023	41	62	103	100%	100%	11
27	27.9.2023	42	61	103	100%	100%	14
28	28.9.2023	44	64	108	100%	100%	12
29	29.9.2023	42	63	105	100%	100%	12
29	29.9.2023	45	62	107	100%	100%	13
30	30.9.2023	45	64	109	100%	100%	13

*Sham* *AS*



**AQAR 2023-24**

**7.1.2 - The Institution has facilities for alternate sources of energy and energy**

**MCM Biogas Unit E-Logbook of October 2023**

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)
1	1.10.2023	40	60	100	100%	100%	11
2	2.10.2023	45	61	106	100%	100%	12
3	3.10.2023	43	60	103	100%	100%	11
4	4.10.2023	44	61	105	100%	100%	13
5	5.10.2023	43	62	105	100%	100%	13
6	6.10.2023	41	60	101	100%	100%	14
7	7.10.2023	40	60	90	100%	100%	12
8	8.10.2023	42	51	93	100%	100%	11
9	9.10.2023	41	52	93	100%	100%	10
10	10.10.2023	42	55	97	100%	100%	11
11	11.10.2023	43	52	95	100%	100%	13
12	12.10.2023	43	50	93	100%	100%	12
13	13.10.2023	43	58	101	100%	100%	12
14	14.10.2023	44	58	103	100%	100%	11
15	15.10.2023	43	60	103	100%	100%	13
16	16.10.2023	42	61	103	100%	100%	12
17	17.10.2023	40	62	102	100%	100%	11
18	18.10.2023	41	63	104	100%	100%	10
19	19.10.2023	42	64	106	100%	100%	11
20	20.10.2023	40	60	100	100%	100%	12

*[Handwritten Signature]*

21	21.10.2023	43	61	104	100%	100%	13
22	22.10.2023	44	60	104	100%	100%	11
23	23.10.2023	41	58	99	100%	100%	10
24	24.10.2023	40	59	99	100%	100%	10
25	25.10.2023	40	60	100	100%	100%	11
26	26.10.2023	42	59	101	100%	100%	12
27	27.10.2023	43	58	101	100%	100%	13
28	28.10.2023	42	51	93	100%	100%	12
29	29.10.2023	40	50	90	100%	100%	13
30	30.10.2023	41	50	91	100%	100%	11
31	31.10.2023	42	51	93	100%	100%	13

*[Handwritten Signature]*

7.1.2 - The Institution has facilities for alternate sources of energy and energy

MCM Biogas Unit E-Logbook of Nov 2023							
S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)
1	1.11.2023	42	58	100	100%	100%	10
2	2.11.2023	42	53	95	100%	100%	12
3	3.11.2023	39	61	100	100%	100%	11
4	4.11.2023	43	57	100	100%	100%	11
5	5.11.2023	40	56	96	100%	100%	11
6	6.11.2023	41	57	98	100%	100%	12
7	7.11.2023	40	60	100	100%	100%	12
8	8.11.2023	40	57	97	100%	100%	11
9	9.10.2023	41	59	100	100%	100%	10
10	10.11.2023	42	56	98	100%	100%	11
11	11.11.2023	42	55	97	100%	100%	13
12	12.11.2023	41	58	99	100%	100%	12
13	13.11.2023	42	57	99	100%	100%	12
14	14.11.2023	42	58	100	100%	100%	11
15	15.11.2023	40	58	98	100%	100%	13
16	16.11.2023	41	59	100	100%	100%	12
17	17.11.2023	40	56	96	100%	100%	11
18	18.11.2023	38	60	98	100%	100%	11
19	19.11.2023	41	57	98	100%	100%	10
20	20.11.2023	39	55	94	100%	100%	12

21	21.11.2023	41	54	95	100%	100%	12
22	22-11-2023	42	55	97	100%	100%	11
23	23.11.2023	38	52	90	100%	100%	10
24	24.11.2023	40	53	93	100%	100%	11
25	25.11.2023	42	51	93	100%	100%	11
26	26.11.2023	41	52	93	100%	100%	12
27	27.11.2023	38	55	93	100%	100%	12
28	28.11.2023	39	54	93	100%	100%	11
29	29.11.2023	41	52	93	100%	100%	12
30	30.11.2023	40	52	92	100%	100%	10

7.1.2 - The Institution has facilities for alternate sources of energy and energy

**MCM Biogas Unit E-Logbook of Dec 2023**

Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)
1.12.2023	40	50	90	100%	100%	10
2.12.2023	42	51	93	100%	100%	11
3.12.2023	40	50	90	100%	100%	11
4.12.2023	43	52	95	100%	100%	12
5.12.2023	40	52	92	100%	100%	11
6.12.2023	40	51	91	100%	100%	11
7.12.2023	40	51	91	100%	100%	12
8.12.2023	40	48	88	100%	100%	12
9.10.2023	41	49	90	100%	100%	12
10.12.2023	42	50	92	100%	100%	11
11.12.2023	42	51	93	100%	100%	12
12.12.2023	40	51	91	100%	100%	11
3.12.2023	42	52	94	100%	100%	12
4.12.2023	41	49	90	100%	100%	10
5.12.2023	40	48	88	100%	100%	12
6.12.2023	41	47	88	100%	100%	12
7.12.2023	40	51	91	100%	100%	11
12.2023	39	49	88	100%	100%	10
12.2023	39	46	85	100%	100%	10

*[Handwritten signatures]*

20	20.12.2023	42	47	89	100%	100%	13
21	21.12.2023	40	48	88	100%	100%	11
22	22.12.2023	39	49	88	100%	100%	11
23	23.12.2023	39	50	89	100%	100%	12
24	24.12.2023	40	47	87	100%	100%	11
25	25.12.2023	40	47	87	100%	100%	10
26	26.12.2023	41	48	89	100%	100%	12
27	27.12.2023	38	46	84	100%	100%	12
28	28.12.2023	40	47	87	100%	100%	11
29	29.12.2023	41	42	83	100%	100%	12
30	30.12.2023	40	44	84	100%	100%	10
31	31.12.2023	42	43	85	100%	100%	11

*[Handwritten signatures]*

7.1.2 - The Institution has facilities for alternate sources of energy and energy

**MCM Biogas Unit E-Logbook of January (2024)**

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)	Compost produce (kg)
1	1.01.2024	43	41	84	100%	100%	12	
2	2.01.2024	39	40	79	100%	100%	11	
3	3.01.2024	38	38	76	100%	100%	12	
4	4.01.2024	42	38	80	100%	100%	11	
5	5.01.2024	42	36	78	100%	100%	13	~ 130 kg
6	6.02.2024	41	37	78	100%	100%	10	
7	7.01.2024	40	39	79	100%	100%	13	
8	8.01.2024	42	38	80	100%	100%	14	
9	9.01.2024	42	38	80	100%	100%	12	
10	10.01.2024	40	42	82	100%	100%	11	
11	11.01.2024	40	42	86	100%	100%	10	
12	12.01.2024	44	42	86	100%	100%	13	
13	13.01.2024	42	41	83	100%	100%	13	
14	14.01.2024	41	42	83	100%	100%	13	
15	15.01.2024	41	42	83	100%	100%	12	~ 100 kg
16	16.01.2024	40	40	80	100%	100%	12	
17	17.01.2024	42	40	82	100%	100%	13	
18	18.01.2024	39	41	80	100%	100%	12	
19	19.01.2024	38	41	79	100%	100%	13	
20	20.01.2024	42	50	92	100%	100%	12	
21	21.01.2024	40	52	92	100%	100%	13	
22	22.01.2024	41	54	95	100%	100%	10	
23	23.01.2024	41	54	95	100%	100%	13	
24	24.01.2024	39	51	90	100%	100%	13	
25	25.01.2024	41	51	92	100%	100%	12	
26	26.01.2024	41	52	93	100%	100%	11	
27	27.01.2024	41	51	91	100%	100%	12	~ 60 kg
28	28.01.2024	40	51	91	100%	100%	11	
29	29.01.2024	42	53	95	100%	100%	12	
30	30.01.2024	42	53	95	100%	100%	11	
31	31.01.2024	42	54	96	100%	100%	11	

*Stav*

27	27.01.2024	42	50	92	100%	100%	12	
28	28.01.2024	41	51	92	100%	100%	13	
29	29.01.2024	40	52	92	100%	100%	10	
30	30.01.2024	43	49	92	100%	100%	11	~ 60 kg
31	31.01.2024	43	51	94	100%	100%	13	
Total yield							~ 350kg	

*Stav*  
*dw*

7.1.2 - The Institution has facilities for alternate sources of energy and energy

**MCM Biogas Unit E-Logbook of Feb 2024**

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste Processed through Composting	Food waste Processed through Composting	Dry waste(Kg)
1	1.02.2024	40	50	90	100%	100%	10
2	2.02.2024	42	51	93	100%	100%	11
3	3.02.2024	40	51	91	100%	100%	12
4	4.02.2024	40	48	88	100%	100%	12
5	5.02.2024	41	49	90	100%	100%	11
6	6.02.2024	40	50	90	100%	100%	11
7	7.02.2024	43	52	95	100%	100%	12
8	8.02.2024	40	52	92	100%	100%	11
9	9.02.2024	40	51	91	100%	100%	11
10	10.02.2024	42	50	92	100%	100%	12
11	11.02.2024	42	51	93	100%	100%	11
12	12.02.2024	40	51	91	100%	100%	12
13	13.02.2024	42	52	94	100%	100%	12
14	14.02.2024	41	49	90	100%	100%	10
15	15.02.2024	40	48	88	100%	100%	12
16	18.02.2024	41	47	88	100%	100%	12
17	17.02.2024	40	51	91	100%	100%	11
8	18.02.2024	39	49	88	100%	100%	10
9	18.02.2024	39	46	85	100%	100%	10
0	20.02.2024	42	47	89	100%	100%	13

*Shau* *Shau*

21	21.02.2024	40	48	88	100%	100%	11
22	22.02.2024	39	49	88	100%	100%	11
23	23.02.2024	38	48	86	100%	100%	12
24	24.02.2024	40	47	87	100%	100%	11
25	25.02.2024	41	42	83	100%	100%	12
26	26.02.2024	39	50	89	100%	100%	12
27	27.02.2024	40	47	87	100%	100%	11
28	28.02.2024	40	47	87	100%	100%	10
29	29.02.2024	41	48	89	100%	100%	12

*Shau* *Shau*

7.1.2 - The Institution has facilities for alternate sources of energy and energy

**MCN Biogas Unit E-Logbook of Mar 2024**

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)	Compost produce (kg)
1	1.03.2024	39	48	88	100%	100%	10	
2	2.03.2024	39	46	85	100%	100%	10	
3	3.03.2024	42	47	89	100%	100%	13	
4	4.03.2024	40	48	88	100%	100%	11	
5	5.03.2024	39	49	88	100%	100%	11	
6	6.03.2024	38	46	84	100%	100%	12	
7	7.03.2024	43	52	95	100%	100%	12	~ 120 kg
8	8.03.2024	40	52	92	100%	100%	11	
9	9.03.2024	40	51	91	100%	100%	11	
10	10.03.2024	42	50	92	100%	100%	12	
11	11.03.2024	42	51	93	100%	100%	11	
12	12.03.2024	40	51	91	100%	100%	12	
13	13.03.2024	42	52	94	100%	100%	12	
14	14.03.2024	41	49	90	100%	100%	10	
15	15.03.2024	40	48	88	100%	100%	12	
16	16.03.2024	41	47	88	100%	100%	12	
17	17.03.2024	40	51	91	100%	100%	11	~ 60 kg
18	18.03.2024	40	50	90	100%	100%	10	
19	19.03.2024	42	51	93	100%	100%	11	
20	20.03.2024	40	51	91	100%	100%	12	

*Raw*      *Allen*

21.03.2024	40	48	88	100%	100%	12	
22.03.2024	41	49	90	100%	100%	11	
23.03.2024	40	50	90	100%	100%	11	
24.03.2024	40	47	87	100%	100%	11	
25.03.2024	41	42	83	100%	100%	12	
26.03.2024	39	50	89	100%	100%	11	~ 130 kg
27.03.2024	40	47	87	100%	100%	10	
28.03.2024	40	47	87	100%	100%	12	
29.03.2024	41	48	89	100%	100%	11	
30.03.2024	40	47	87	100%	100%	12	
31.03.2024	41	42	83	100%	100%	12	

*Raw*      *Allen*  
 Total yield ~ 310 kg

AQAR 2023-24

7.1.2 - The Institution has facilities for alternate sources of energy and energy

MCM Biogas Unit E-Logbook of April 2024								Compost produce (kg)
S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)	
1	1.04.2024	42	49	91	100%	100%	11	~ 110 kg
2	2.04.2024	40	46	86	100%	100%	12	
3	3.04.2024	40	44	84	100%	100%	12	
4	4.04.2024	41	42	83	100%	100%	11	
5	5.04.2024	40	46	86	100%	100%	11	
6	6.04.2024	40	47	87	100%	100%	11	
7	7.04.2024	41	42	83	100%	100%	12	
8	8.04.2024	39	45	84	100%	100%	12	
9	9.04.2024	40	45	85	100%	100%	11	
10	10.04.2024	40	43	83	100%	100%	10	
11	11.04.2024	41	42	83	100%	100%	12	
12	12.04.2024	40	46	86	100%	100%	11	
13	13.04.2024	42	45	87	100%	100%	12	
14	14.04.2024	41	46	87	100%	100%	10	~ 90 kg
15	15.04.2024	40	47	87	100%	100%	12	
16	16.04.2024	41	46	87	100%	100%	12	
17	17.04.2024	40	47	87	100%	100%	11	
18	18.04.2024	40	44	84	100%	100%	10	
19	19.04.2024	39	46	85	100%	100%	10	

*Signature*

MCM Biogas Unit E-Logbook of May 2024								Compost produce (kg)
S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)	
1	1.05.2024	40	40	80	100%	100%	10	
2	2.05.2024	40	42	82	100%	100%	11	
3	3.05.2024	40	44	84	100%	100%	10	
4	4.05.2024	42	39	81	100%	100%	11	
5	5.05.2024	44	44	88	100%	100%	10	
6	6.05.2024	42	42	84	100%	100%	11	
7	7.05.2024	40	40	80	100%	100%	12	~ 120 kg
8	8.05.2024	34	40	74	100%	100%	11	
9	9.05.2024	37	41	78	100%	100%	11	
10	10.05.2024	38	41	79	100%	100%	10	
11	11.05.2024	40	40	80	100%	100%	12	
12	12.05.2024	41	42	83	100%	100%	11	
13	13.05.2024	42	39	81	100%	100%	11	
14	14.05.2024	42	38	80	100%	100%	12	
15	15.05.2024	41	37	78	100%	100%	12	
16	16.05.2024	43	37	80	100%	100%	12	
17	17.05.2024	44	38	82	100%	100%	10	
18	18.05.2024	43	39	82	100%	100%	10	~ 110 kg
19	19.05.2024	34	40	74	100%	100%	10	

*Signature*

**AQAR 2023-24**

**7.1.2 - The Institution has facilities for alternate sources of energy and energy**

20	20.05.2024	41	38	79	100%	100%	10	
21	21.05.2024	40	38	78	100%	100%	12	
22	22.05.2024	42	37	79	100%	100%	12	
23	23.05.2024	42	37	79	100%	100%	10	
24	24.05.2024	42	38	80	100%	100%	13	
25	25.05.2024	41	38	79	100%	100%	12	
26	26.05.2024	42	37	79	100%	100%	13	
27	27.05.2024	43	36	79	100%	100%	10	→ ~ 100kg
28	28.05.2024	43	36	79	100%	100%	12	
29	29.05.2024	44	36	80	100%	100%	11	
30	30.05.2024	42	38	80	100%	100%	12	
31	31.05.2024	41	37	78	100%	100%	11	
		1270kg	1209kg					Total yield ~ 330kg 345kg

Shau

MCM Biogas Unit E-Logbook of June 2024

S.No.	Date	Wet Garden waste (kg)	Food waste(kg)	Total	Garden waste processed through Composting	Food waste Processed through Composting	Dry waste(Kg)	Compost produced (kg)
1	1.06.2024	40		40	100%	100%	10	
2	2.06.2024	42		42	100%	100%	11	
3	3.06.2024	41		41	100%	100%	10	
4	4.06.2024	42		42	100%	100%	09	
5	5.06.2024	42		42	100%	100%	10	
6	6.06.2024	40	Fresh cow dung added to biogas plant (~120 Kg)	40	100%	100%	10	
7	7.06.2024	41		41	100%	100%	11	
8	8.06.2024	38		38	100%	100%	11	
9	9.06.2024	37		37	100%	100%	10	
10	10.06.2024	38		38	100%	100%	10	
11	11.06.2024	40	36	76	100%	100%	12	
12	12.06.2024	41	35	76	100%	100%	11	
13	13.06.2024	40	36	76	100%	100%	11	
14	14.06.2024	42	38	80	100%	100%	11	
15	15.06.2024	41	37	78	100%	100%	12	
16	16.06.2024	42	37	79	100%	100%	12	~ 110kg
17	17.06.2024	42	36	78	100%	100%	10	
18	18.06.2024	39	35	74	100%	100%	10	
19	19.06.2024	38	36	74	100%	100%	10	

Shau



7.1.2 - The Institution has facilities for alternate sources of energy and energy

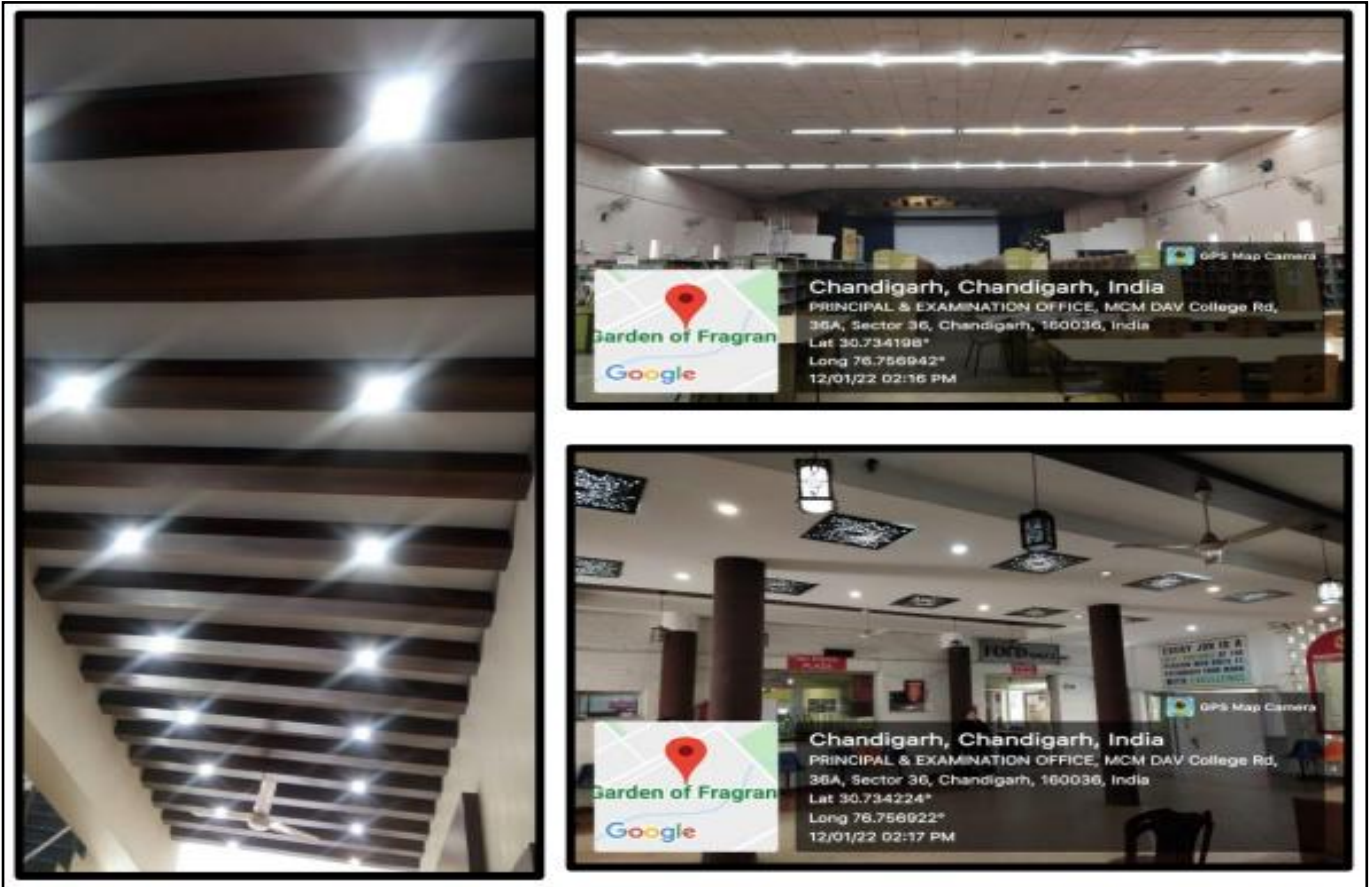
20	20.06.2024	41	35	76	100%	10	
21	21.06.2024	40	35	75	100%	11	
22	22.06.2024	42	33	75	100%	12	~ 80 kg
23	23.06.2024	42	32	74	100%	10	
24	24.06.2024	42	33	75	100%	12	
25	25.06.2024	41	36	77	100%	11	
26	26.06.2024	40	33	73	100%	12	
27	27.06.2024	42	36	78	100%	12	
28	28.06.2024	40	36	76	100%	11	
29	29.06.2024	41	33	74	100%	11	~ 60 kg
30	30.06.2024	40	35	75	100%	11	
		1217kg	823kg			Total yield	~ 250 kg
						324kg	

3. Use of LED Bulbs/ power efficient equipment

In a concerted move, traditional lights which consume a greater amount of power have been substituted by LEDs in the college campus. An LED TV was purchased for the hostel, aligning with sustainable practices. Furthermore, all campus lights are LED, and any replacements are made exclusively with energy-efficient LED bulbs.



7.1.2 - The Institution has facilities for alternate sources of energy and energy



LED TV installed at C & D Block of the hostel

## 7.1.2 - The Institution has facilities for alternate sources of energy and energy

## Details of LED Light installed at college campus:

Sr No	Room No.	Department/ Area	No. of LED Lights
1	1	CLASSROOM	3 LED TUBELIGHTS
2	2	CLASSROOM	2 LED TUBELIGHTS
3	3	CLASSROOM	3 LED TUBELIGHTS
4	4	CLASSROOM	1 LED TUBELIGHT
5	5	CLASSROOM	3 LED TUBELIGHTS
6	6	NIRF ROOM	2 LED TUBELIGHTS
7	7	CLASSROOM	3 LED TUBELIGHTS
8	8	CONFERENCE HALL-1	1 LED TUBELIGHT
9	9	CLASSROOM	2 LED TUBELIGHTS
10	10	CLASSROOM	1 LED TUBELIGHT
11	10A	RESEARCH CENTRE ( DEPT OF ENGLISH)	3 LED TUBELIGHTS
12	11	CLASSROOM	2 LED TUBELIGHTS
13	12	CLASSROOM	2 LED TUBELIGHTS
14	13	CLASSROOM	2 LED TUBELIGHTS
15	14	CLASSROOM	2 LED TUBELIGHTS
16	15	CLASSROOM	2 LED TUBELIGHTS
17	16	CLASSROOM	3 LED TUBELIGHTS
18	17	CLASSROOM	3 LED TUBELIGHTS
19	18	CLASSROOM	2 LED TUBELIGHTS
20	19	CLASSROOM	2 LED TUBELIGHTS
21	20	CLASSROOM	3 LED TUBELIGHTS
22	21	CLASSROOM	2 LED TUBELIGHTS
23	22	CLASSROOM	2 LED TUBELIGHTS
24	23	MFT LAB I	2 LED TUBELIGHTS
25	24	MFT LAB II	2 LED TUBELIGHTS
26	25	HOME SCIENCE LAB (F&N)	4 LED TUBELIGHTS
27	FOOD SCIENCE	DEPARTMENT ROOM CHEMISTRY	1 LED TUBELIGHT
28	27	HOME SCIENCE LAB	1 LED TUBELIGHT
29	2C	CLASSROOM	1 LED TUBELIGHT
30	34	CLASSROOM	1 LED TUBELIGHT
31		SCIENCE CHEMISTRY LAB STORE	1 LED TUBELIGHT
32	32	SCIENCE CHEMISTRY LAB	1 LED TUBELIGHT
33	CHEMISTRY	DEPARTMENT ROOM CHEMISTRY	1 LED TUBELIGHT
34	29	SCIENCE CHEMISTRY LAB	4 LED TUBELIGHTS
35	ENGLISH	DEPARTMENT ROOM ENGLISH	1 LED TUBELIGHT
36	28	ARTS FEN ENG LAB	2 LED TUBELIGHTS
37	43	CLASSROOM	2 LED TUBELIGHTS
38	42	CLASSROOM	2 LED TUBELIGHTS
39	40	SCIENCE BOTONY LAB	5 LED TUBELIGHTS
40	39	SCIENCE BOTONY LAB	2 LED TUBELIGHTS
41	37	SCIENCE ZOOLOGY LAB	3 LED TUBELIGHTS
42		SCIENCE PHY LAB STORE	1 LED TUBELIGHT
43		SCIENCE PHY LAB 2	2 LED TUBELIGHTS
44	54	DEPARTMENT ROOM PHYSICS	1 LED TUBELIGHT

## 7.1.2 - The Institution has facilities for alternate sources of energy and energy

Sr No	Room No.	Department/ Area	No. of LED Lights
45	52	CLASSROOM	2 LED TUBELIGHTS
46	51	CLASSROOM	3 LED TUBELIGHTS
47	50	CLASSROOM	2 LED TUBELIGHTS
48	49	CLASSROOM	1 LED TUBELIGHT
49	48	CLASSROOM	2 LED TUBELIGHTS
50	47	CLASSROOM	1 LED TUBELIGHT
51	58	CLASSROOM	1 LED TUBELIGHT
52	59	CLASSROOM	1 LED TUBELIGHT
53	67	CLASSROOM	6 LED ROUND PANEL LIGHT
54	68	CLASSROOM	6 LED ROUND PANEL LIGHT
55	69	CLASSROOM	6 LED ROUND PANEL LIGHT
56	61	CLASSROOM	1 LED TUBELIGHT
57	CABIN	CLASSROOM	1 LED TUBELIGHT
58	64	CLASSROOM	1 LED TUBELIGHT
59	CABIN	CLASSROOM	1 LED TUBELIGHT
60		MULTI DISCIPLINARY RESEARCH LAB	2 LED TUBELIGHTS
61		READING ROOM	1 LED TUBELIGHT
62		<b>LIBRARY</b>	<b>FULL LED LIGHT</b>
			130 LED TUBELIGHTS + 120 LED BULB
63		LIBRARIAN ROOM	1 LED TUBELIGHT
64		B VOC LAB	2 LED TUBELIGHTS
65		SPORTS	1 LED TUBELIGHT
66	NCC	NCC ROOM	1 LED TUBELIGHT
67	MULTIMEDIA HALL	MULTIMEDIA HALL	60 LED CONCEALED LIGHT
		STAIRS	6 LED CONCEALED LIGHT
68		DEPARTMENT ROOM SOCIOLOGY	1 LED TUBELIGHT
69		STUDIO	2 LED TUBELIGHTS
70		STAFF ROOM/ DEPARTMENT ROOM	5 LED TUBELIGHTS
71		LOCKER ROOM	1 LED TUBELIGHT
72		COMPUTATIONAL LAB	1 LED TUBELIGHT
73		DEAN HOSTEL	1 LED TUBELIGHT
74		CONFERENCE HALL II (SCIENCE)	2 LED TUBELIGHTS
75	COMP LAB 4	COMPUTER LAB	3 LED TUBELIGHTS
76		FINE ARTS	4 LED TUBELIGHTS
77	COMP LAB 5	COMPUTER LAB	2 LED TUBELIGHTS
78	C-2	CLASSROOM	3 LED TUBELIGHTS
79	COMP LAB 3	COMPUTER LAB	1 LED TUBELIGHT
80	COMP LAB 2	COMPUTER LAB	2 LED TUBELIGHTS
<b>GOLDEN JUBILEE BLOCK</b>			<b>FULL LED LIGHT</b>
81		PRINCIPAL OFFICE	6 NO. (LED 18W SQUARE PANEL LIGHT)
82		PANTRY	2 NO. LED TUBELIGHT
83		WASHROOM	2 NO. LED TUBELIGHT
84		RECEPTION AREA	5 NO. (LED 18W SQUARE PANEL LIGHT)

**AQAR 2023-24**

**7.1.2 - The Institution has facilities for alternate sources of energy and energy**

Sr No	Room No.	Department/ Area	No. of LED Lights
85		CORRIDOOR	4 NO. (LED 18W SQUARE PANEL LIGHT)
86		ADMINISTRATIVE OFFICE	8 NO. (LED 18W SQUARE PANEL LIGHT )
87		EXAMINATION ROOM	2 LED TUBELIGHTS
88		PANTRY	1 LED TUBELIGHT
89		WASHROOM	1 LED TUBELIGHT
90		CONFERENCE HALL III (GOLDEN JUBILEE BLOCK)	8 (LED 18W SQUARE PANEL)
91		SERVER ROOM	2 LED TUBELIGHTS
92		PANTRY	1 LED TUBELIGHT
93		WASHROOM	1 LED TUBELIGHT
94		REGISTRAR ROOM	9 (LED 18W SQUARE PANEL LIGHT)
95		BURSAR ROOM	
96		IT MANAGER ROOM	
97		ACCOUNTS BRANCH OFFICE	6 (LED 18W SQUARE PANEL LIGHT)
98		PANTRY	2 LED TUBELIGHTS
99		WASHROOM	2 LED TUBELIGHTS
100		STORE, INVENTORY ROOM (LED 18W PANEL LIGHT)	12
<b>AUDITORIUM (MULTIPURPOSE HALL)</b>			<b>FULL LED</b>
101		HALL (LED 18W SQURE PANEL LIGHT	64
102		MAIN ENTRY (LED 18W SQURE PANEL LIGHT)	4
103		MAIN ENTRY CORRIDOOR (LED 18W SQURE PANEL LIGHT	8
104		GENTS WASHROOM (LED 12W ROUND PANEL LIGHT)	14
105		LADIES WASHROOM (LED 12W ROUND PANEL LIGHT)	14
106		WASHROOM (LED 12W ROUND PANEL LIGHT)	1
107		SIDE ENTRY (LED 12W ROUND PANEL LIGHT)	4
108		CORRIDOOR LEADING TO GOLDEN JUBILEE BLOCK	6 LED TUBELIGHT
109		STAIRS PLACEMENT CELL	2 LED TUBELIGHT
110		PLACEMENT CELL (LED 12W ROUND PANEL LIGHT)	4
111		INNER CORIDOOR PLACEMENT CELL (LED 12W ROUND PANEL LIGHT)	10
112		GREEN ROOM MULTIPURPOSE HALL (LED 12W ROUND PANEL LIGHT)	4
113		INNER CORIDOOR GREEN ROOM (LED 12W ROUND PANEL LIGHT)	8

**AQAR 2023-24****7.1.2 - The Institution has facilities for alternate sources of energy and energy**

<b>Sr No</b>	<b>Room No.</b>	<b>Department/ Area</b>	<b>No. of LED Lights</b>
114		Science Block Corridor-Ground Floor	3
115		Science Block Corridor-First Floor	3
116		Science Block Corridor-Second Floor	3
117		Arts Block Corridor-Ground Floor	3
118		Arts Block Corridor-First Floor	3
119		Arts Block Corridor-Second Floor	3
120		PG block Corridor Ground Floor	2

7.1.2 - The Institution has facilities for alternate sources of energy and energy

Bills of LED TVs:

GST NO. : 04AAIFDB445N1Z1 AAIFDB445N		TAX INVOICE		PH: 4665454, 4645454						
M/S : PRINCIPAL NCM DAV COLLEGE SECTOR 36 CHANDIGARH		DEE KAY VISION SCO.374 SECTOR 35 B CHANDIGARH GST STATE CODE:04		BILL NO. : GST-1134 DATE : 14/11/2023 PAYMENT MODE: CREDIT						
GST NO. : ITEM DESCRIPTIONS:-		STATE CODE : 04 PHONE NO. :								
SN	ITEM NAME	HSN CODE	QTY	RATE	CGST (%)	CGST AMOUNT	UTGST (%)	UTGST AMOUNT	AMOUNT	
1	UA55AU7600KXL SAMSUNG LED	85287219	1	49000.00	14.00	5359.38	14.00	5359.38	49000.00	
<p><i>Samsung 55" LED TV for Hostel Block C&amp;D MESS (To be replaced with old, defective, non functional Samsung LED TVSS)</i></p> <p><i>BN Entered at S. No. 137 On Page No. 133 of Bill Entry Register (Purchase) Supdt. _____ Accs Clerk _____</i></p> <p><i>Entered in property Register (College) at Page No. 79 Dt. 15/11/23. Supdt. _____ Stocks/Exp. _____</i></p> <p><i>"Certified that we members of the purchase committee are jointly and individually satisfied that the goods recommended for purchase are of requisite specification and quality, priced at the prevailing market rate and the supplier recommended is reliable and competent to supply the goods in question."</i></p> <p><i>Principal</i> MCM D.A.V. College for Women Sector -36-A, Chandigarh</p>										
								TOTAL	1	49000.00
								CGST		-10718.75
								UTGST		5359.38
								Round Off		5359.38
								Net Amount		-0.01
										49000.00
Rs.: Forty Nine Thousand Only		Checked & Passed for Rs. 49000/- <i>As per procedure followed</i>								
GST SALE TAXFREE :		CGST 2.5% :		UTGST 2.5% :						
GST SALE 5% :		CGST 6% :		UTGST 6% :						
GST SALE 12% :		CGST 9% :		UTGST 9% :						
GST SALE 18% :		CGST 14% :		UTGST 14% :						
GST SALE 28% :		38281.25		5359.38		5359.38				
Terms & Conditions:-		E.&O.E								
<p>1. Please obtain proper receipt for the payment made or goods returned or short received if any firm will not be responsible.</p> <p>2. Interest @24% p.a will be charged if payment is not made within 2 weeks from the date of invoice.</p> <p>3. All disputes subject to CHANDIGARH jurisdiction only.</p>										
								FOR: DEE KAY VISION		
								AUTHORIZED SIGNATURE		

7.1.2 - The Institution has facilities for alternate sources of energy and energy

4. **Wheeling to the Grid:** The college campus is equipped with a facility for wheeling energy to the grid. This system allows the seamless transfer of surplus energy generated by the solar panel system to the utility grid. By feeding excess energy into the grid, the system not only helps meet external energy demands but also contributes to reducing the institution's carbon footprint.



**Net Metering Unit**



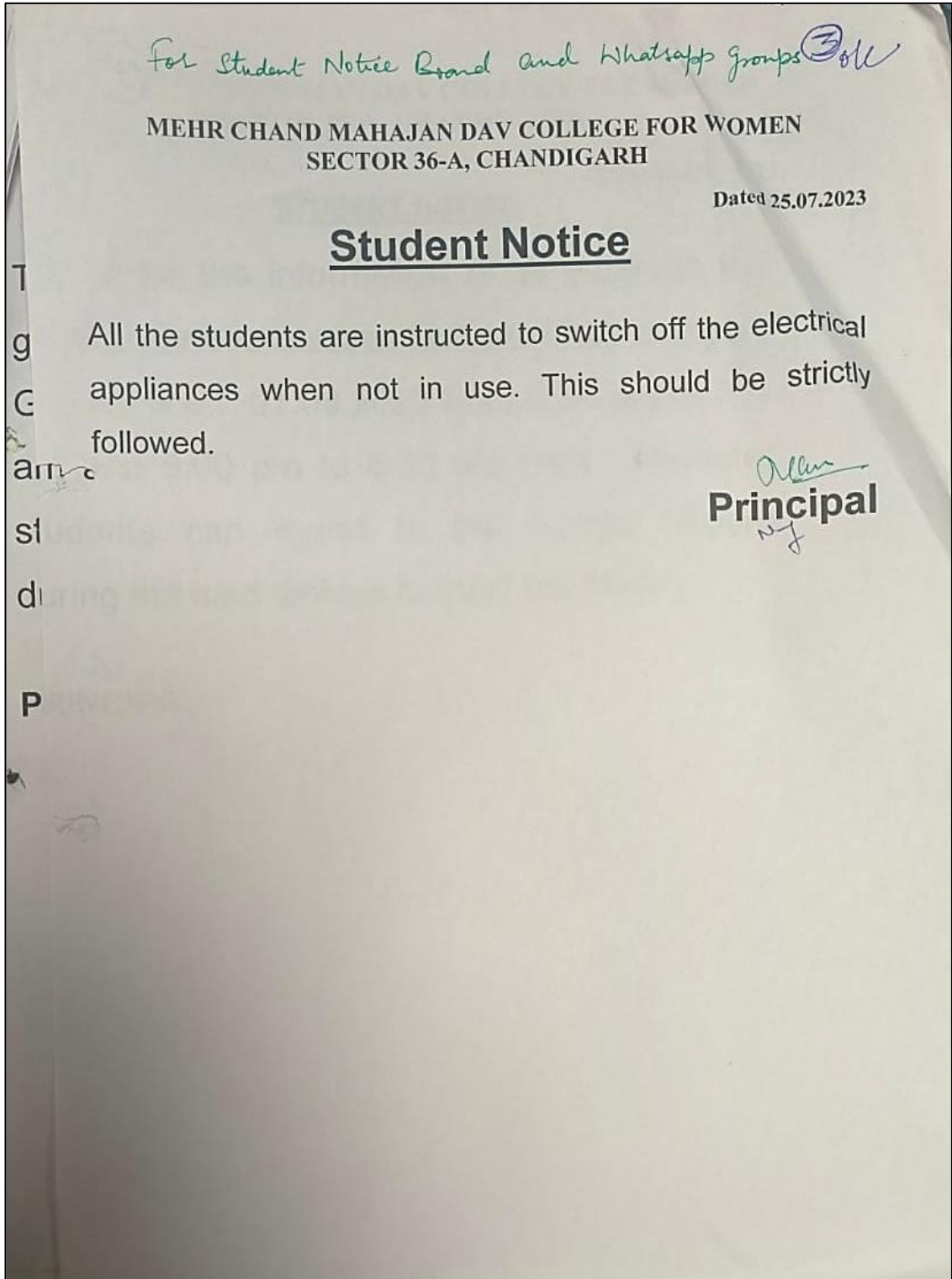
7.1.2 - The Institution has facilities for alternate sources of energy and energy



Wheeling to the Grid installed at solar roof tops

7.1.2 - The Institution has facilities for alternate sources of energy and energy

- ✓ In addition, classrooms have ample windows and glass panelled doors for optimal utilization of natural light. 'Save Electricity' campaigns are conducted throughout the academic year. Notices are being displayed highlighting the urge to save electricity.



7.1.2 - The Institution has facilities for alternate sources of energy and energy

- ✓ Awareness posters near the switchboards of classrooms urging users to switch off lights and fans on their way out are installed.
- ✓ In classrooms and labs, lights and fans are switched on only in the occupied area.
- ✓ While purchasing air conditioners or refrigerators, the Bureau of Energy Efficiency (BEE) star rating is checked.
- ✓ Students are urged to conserve every drop of water, especially in the hostel, so that in addition to conserving water, it is not necessary to switch on pumps frequently.
- ✓ College observes Earth Day when lights in the academic block, the hostel and the residences are switched off.
- ✓ With an objective to create awareness about energy conservation, energy conservation posters have been displayed at various places.

