

**Alternate Sources of Energy and Energy
Conservation measures.**



ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH (AMRIT)

Mohili-Aghai, Shahapur, Thane, Maharashtra, India. Pincode: 421603
Contact: +91 7720012139 / +91 9552773875, info@vishwatmakengg.in

7.1.2. Alternate Sources of Energy & Energy conservation measures

1. Solar System:

In a step towards Environmental Consciousness Institute has taken initiative for energy conservation, in this regards a **Solar PV Power Generation system of 100 kW** is installed on the rooftops in college premise buildings. Total 272 no's of Solar PV modules of 365W capacity have been installed on rooftop of A wing building & Goshala. It is expected to generate on average 80,000 kW of energy per year. This will be catering to nearly 75-80% of the institutes total power consumption. The solar energy is also used for water heating in hostel building and also given to Grid for utilization in college campus.



Solar Panels Installed on A wing building & Goshala Building


IQAC Coordinator




Principal

Principal

Atma Malik Institute of Technology & Research
At Mohili, Post-Aghai, Tal-Shahapur, Dist-Thane



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2. Biogas plant:

The wet wastefrom waste bins& waste from Goshala are used in Biogas tanks for biogas formation which is then used cooking in canteen kitchen. This plant is designed to process approximately 1000kg mixed waste produced in campus through various means.The capacity of biogas plant is 60m³ per day which is equivalent to 25kg LPG requirement per day. Organic manure produced so is approximately 2000-2500 Lit/day.The manure produced thereafter is then used for gardening & farming inside the campus.



Kumel
IQAC Coordinator

Kumel
NAAC Coordinator



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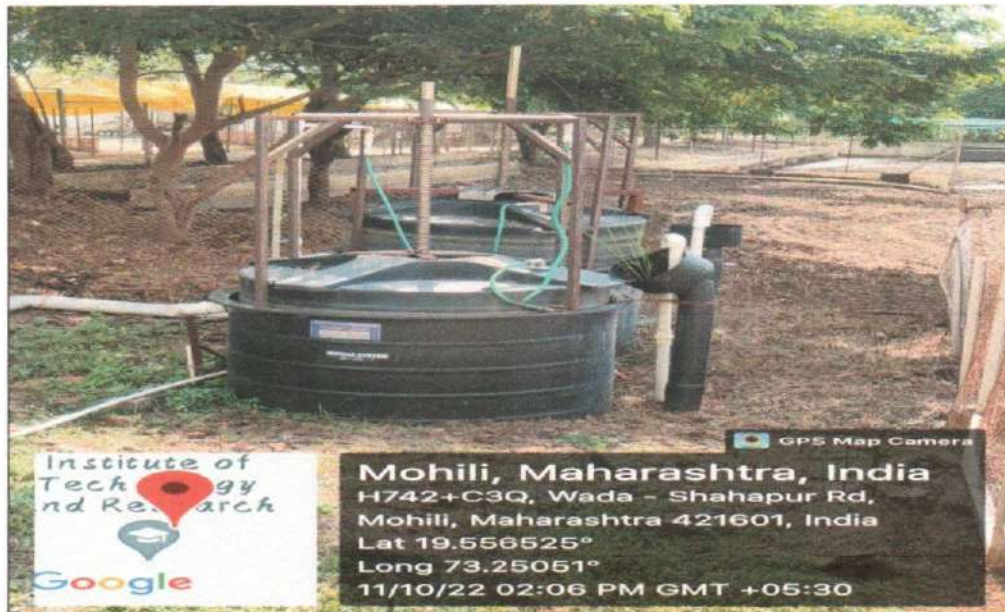
Principal
Principal

Atma Malik Institute of Technology & Research
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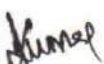
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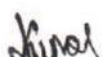


Biogas Plant near A wing building



New Biogas in process in front of Goshala


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3. LED tube lights

All the classes, laboratory, staircase areas are wellventilated and exposed to sufficient sunlight. For enegy conservation all the lights are replaced by LED tubelights in all classes, laboratory, examination section, offices in institute's building.



LED tubes lights used in classrooms, laboratory and near street

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IQAC Coordinator

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NAAC Coordinator

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Principal

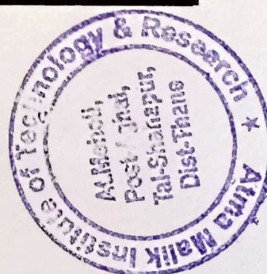


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Solar Energy (Solar Generation Load meter Readings)

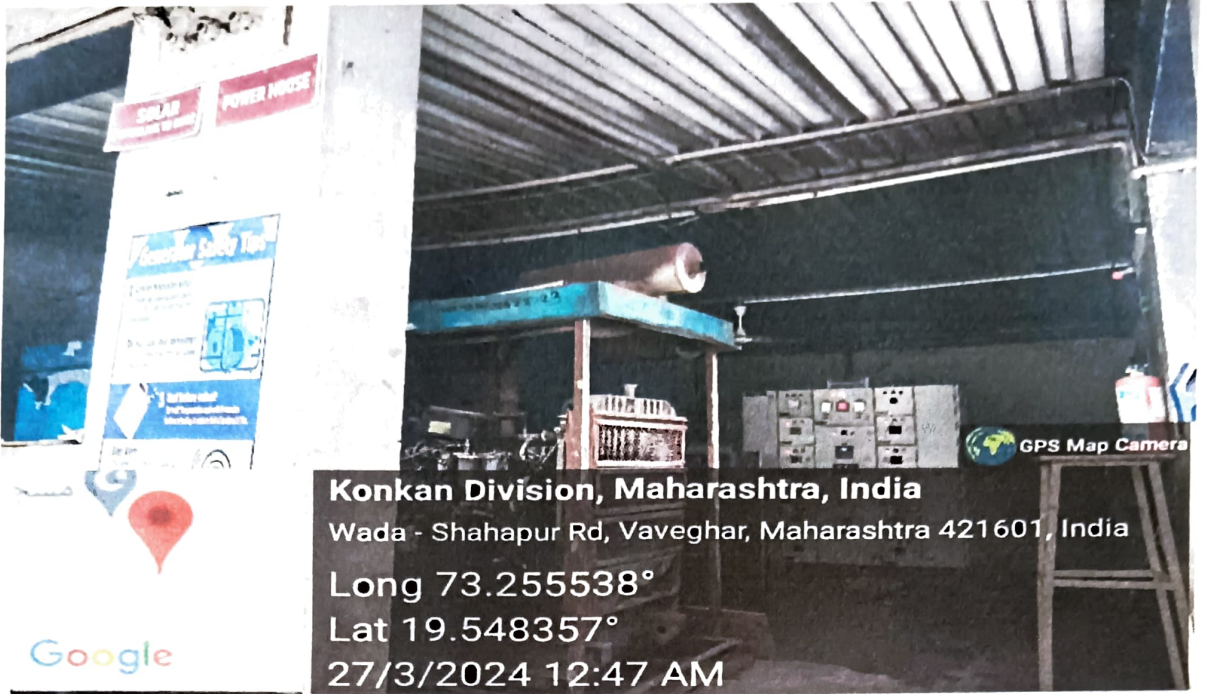
Konkan Division, Maharashtra, India
H63X+WPX, Wada - Shahapur Rd, Mohili, Maharashtra
Lat 19.554831°
Long 73.249394°
10/1/2024 02:13 PM GMT+05:00

Konkan Division, Maharashtra, India
G7X2+VM8, Mohili, Maharashtra 421601, India
Lat 19.549672°
Long 73.251692°
10/1/2024 02:15 PM GMT+05:00



Solar Energy Installation







Maharashtra State Electricity Distribution Co. Ltd.

KALYAN CIRCLE - II-545

KALYAN RURAL DIVISI 003

SHAHAPUR 1531

Consumer No. : 220550005531
 Consumer Name : VISWATMAK JANGALI MAHARAJ
 : ASHRAM
 Address : S NO 53, VILLAGE MOHILI, AGHAI
 SHAHAPUR

BILL DATE	10-12-2024	1,46,210.00
DUE DATE	30-12-2024	
IF PAID UPTO	16-12-2024	1,45,949.00
IF PAID AFTER	30-12-2024	1,48,949.00
Last Receipt No./Date	722-11-2024	
Last Month Payment	2,70,449.00	
Scale / Sector	Large Scale / Private Sector	

Village : Pincode : 0

Email ID :		Activity :				
Mobile No. :	95*****29	Meter No.:	055-XC426209	Seasonal :	N	Load Shed Ind :
Tariff :	89 LT-VII B I	Connected Load (KW):	107.00 KW	Urban/Rural Flag :	R	Express Feeder Flag :
Contract Demand (KVA) :	88.89	40% of Con. Demand(KVA) :	35.56	Feeder Voltage (KV) :	11	LIS Indicator :
Sanctioned load (KW) :	107.00 KW					
DTC :	4153437	PC-MR-ROUTE-SEQ :	00-40-6057-9999	BU :	4448	PC :
Date of Connection :22-02-2011		Category :	LT-X PUBLIC SERVICES >50KW	GSTIN :		
Supply at :	LT	Elec. Duty :	06	PAN :		
Prev. Highest (Mth) :		Prev. Highest Bill Demand (KVA) :				
Prev. Highest Demand Rs : 95,856.22		Addl. S.D. Demanded Rs :		00.00		
Bank Guarantee Rs : 0.00		S.D. Arrears Rs. :		2,35,670.00		

Bill Month	Consumption (Units)	Bill Demand (KVA)	Bill Amount
Oct 2024	18,142	40	2,77,633.59
Sep 2024	14,878	46	2,36,713.25
Aug 2024	23,432	44	3,58,062.67
Jul 2024	21,568	42	3,30,113.82
Jun 2024	13,495	42	2,11,556.12
May 2024	2,425	36	56,481.49
Apr 2024	5,208	36	98,210.50
Mar 2024	10,864	36	1,58,838.04
Feb 2024	13,306	42	1,97,162.82
Jan 2024	12,316	38	1,82,000.64
Dec 2023	13,227	36	1,91,604.94
Nov 2023	4,861	36	82,415.88

CUSTOMER CARE Toll Free No.
1912, 1800-102-3435,
1800-233-3435

Rule & Procedure for Consumer Grievances Redressal is available at www.mahadiscom.in > consumer portal > CGRF. Instead of Printed bill, register for E-bill and avail Rs. 10 per bill as a "Go-green" discount. For registration visit at www.mahadiscom.in > consumer portal > Quick access > Go-green request.

For making Energy Bill Payment through RTGS/NEFT mode, use following details

- Beneficiary Name: **MSEDCL**
- Beneficiary Account Number: **MSEDCL01220550005531**
- IFS Code: **SBIN0008965**
- Name of Bank: **STATE BANK OF INDIA**
- Name of Branch: **IFB BKC**
- Bill Amount: **1,46,210.00**

Disclaimer: Please use above bank details only for payment against consumer number mentioned in beneficiary account number.



आता वरील औद्योगिक वीज जोडणी अधिक सुलभतेने

प्लान ऑफ डोइंग बिजनेस

महाराष्ट्र वीज नियंत्रण बोर्ड

महाराष्ट्र वीज नियंत्रण बोर्ड

महाराष्ट्र वीज नियंत्रण बोर्ड

महाराष्ट्र वीज नियंत्रण बोर्ड

महाराष्ट्र वीज नियंत्रण बोर्ड



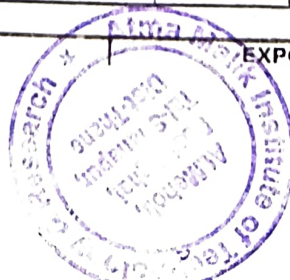
महाराष्ट्र वीज नियंत्रण बोर्ड
महाराष्ट्र वीज नियंत्रण बोर्ड
महाराष्ट्र वीज नियंत्रण बोर्ड

Important Message

- Consumers can pay online using Net Banking, Credit/Debit cards at <https://wss.mahadiscom.in/wss/wss> after registration
- Submit / update your E-mail id and mobile number to Circle office for receiving prompt alerts through SMS.
- Submit / update your PAN and GSTIN to circle office with copies of PAN and GSTIN for verification.
- Special desk is operational for HT Consumers, please contact : htconsumer@mahadiscom.in for any clarification / query or grievance
- This Electricity Bill should not be use for the address proof and as a proof of property ownership.
- For Any Payment to MSEDCL, ENSURE & INSIST for computerised receipt with unique system generated receipt number. Do not accept handwritten receipts. Pay online to avoid any inconvenience.

Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)
Current 30-11-2024	522899.200	531926.800	49593.000	5820.600	24.020	24.600
Previous 31-10-2024	517926.000	526872.000	49249.600	5604.800		
Difference	4973.200	5054.800	343.400	215.800		
Multiplying Factor	2.000	2.000	2.000	2.000	2.000	2.000
Consumption	9946.400	10110.000	687.000	432.000	48.000	48.000
LT Metering	0.000	0.000	0.000	0.000	0.000	0.000
Adjustment	-981.000	0.000	0.000	0.000		
Assessed Consump	0.000	0.000	0.000		0.000	0.000
Total Consumption	8965.000	10110.000	687.000	432.000	48.000	48.000

Billed Demand (KVA)	36	@ Rs.	464	Demand Charges	16724.20
Assessed P.F.		Avg. P.F.	0.990	Wheeling Charge @ 01.17	10489.76
Billed P.F.	0.990	L.F.		Energy Charges	90815.45
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC	3333.33
Industrial	0	0.00	00.00	FAC @ 85.00 Ps/U	1666.67
Residential	0	0.00	0.00	Electricity Duty (21.00 %)	2588.89
Commercial	8,965	10.13	90815.45	Other charges	0.00
E.D. on(Rs)	Rate %	Amount Rs.		Tax on Sale @ 18 Ps/U	1666.67
0.00	0	0.00		P.F. Penal Charges P.F. Inc	3055.56
0.00	0	0.00		Charges For Excess Demand	0.00
122,340.55	21	25691.52		Incr Consumption Rebate	-2569.15
TOD Zone	Rate	Units	Demand	Charges Rs.	
2200 Hrs-0600 Hrs	-01.50	4068	33.00	-6,102.00	
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	00.00	2339	46.00	0.00	
0900 Hrs - 1200 Hrs	00.80	0	29.00	0.00	
1800 Hrs-2200 Hrs	01.10	2558	49.00	2,813.80	
Amount in Words	ONE LAKH FORTY SIX THOUSAND TWO HUNDRED TEN ONLY				
SOLAR TARIFF	IMPORT	EXPORT	GENERATION		



	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0000 Hrs-0600 Hrs & 2200 Hrs-2400 Hrs	2,26,294.60	2,24,223.80	4,142.00	00.00	00.00	00.00	1,60,619.20	1,60,585.30	25.70
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	1,41,075.40	1,39,610.20	2,930.00	66,451.60	66,156.20	591.00	5,51,775.00	5,47,772.00	4,003.00
0900 Hrs - 1200 Hrs	27,910.40	27,752.20	316.00	39,693.00	39,497.80	390.00	2,93,795.40	2,90,006.00	3,789.40
1800 Hrs-2200 Hrs	1,27,618.80	1,26,339.80	2,558.00	29.20	29.20	00.00	86,293.80	86,194.30	99.50
TOTAL	5,22,899.20	5,17,926.00	9,946.00	1,06,173.80	1,05,683.20	981.00	10,92,384.40	10,86,548.30	5,836.10
Offset: 981.00	Previous Banked: 00.00	Current Banked: 00.00	Banking Charge Unit: 00.00						

Message:

- # As per MERC Directive dtd.24/02/2021, cash payment of Rs.5000.00 and above will not be accepted by MSEDCL.
- # Online payment Facility - adopt for safe, easy and free online payment facility through <https://wss.mahadiscom.in/wss> OR Mobile app - Mahavitaran & get discount of 0.25% (max Rs.500). For queries please contact helpdesk_pg@mahadiscom.in.
- # Incremental Consumption Rebate if paid on or before 16-12-2024 Rs. 2567.25/after 16-12-2024 Rs.2567.25 on units 3423 Ref Consumption 5542.
- # As per MERC order dt.24/02/2021, Monthly energy bill receipt in cash is limited to Rs.5000/- w.e.f 01/11/2021.
- In case of energy bill paid through NEFT / RTGS, date of amount credited in MSEDCL bank account will be considered as bill payment date.
- As per MERC order for Case No 322 of 2019 revised Cheque Bounce charges of Rs. 750 or Bank charges whichever is higher will be applicable from 01 April 2020.
- Message: Rooftop Solar Units:-Export:+00000981,Import:9946,Adjusted:+00000981,Bank:-00000000/Please refer copy of the bill for details./
- # As per Income Tax provision vide section 269 ST cash receipt of Rs.2.00 lakhs and above will not be accepted by MSEDCL against any type of Payment.
- # As per MTR order (226/2022) revised tariff for FY 2024-25 is effective from 01.04.2024.
- # This bill for power supply cannot be treated or utilised as proof that the premises for which the power supply has been granted is an authorised structure nor would the issuance of the bill amount to proof of ownership of the premises.
- # Prompt Payment Discount: Rs. 1,167.15, if bill is paid on or before 16-12-2024.

CONDITIONS

1. The total bill amount of the bill may be remitted by a Crossed Demand Draft/Cheque drawn in favor of 'Maharashtra State Electricity Distribution Co. Ltd.' Whenever Security Deposit is demanded separate Cheque/Bank Draft should be sent.
2. The current bill is payable within fifteen days from the date of issue of the bill. Even if there is any discrepancy in the bill or any other clarification needed, consumers are requested to pay the billed amount in full provisionally or under protest subject to review and subsequent adjustment, so that payment of delayed payment charges is avoided.
3. This bill is issued subject to the provision of the 'Conditions and Miscellaneous charges for supply of Electrical Energy' of the company.
4. Please quote the Consumer Number on the back of the Cheque. The payment of this bill should be made at Company's office only.
5. If the cheque is sent by post, the same should be posted three clear days in advance of the due date.
6. If the amount is paid by cheque/DD, the date on which the amount gets cleared, or a maximum of 3 days from the date of depositing the cheque will be considered as the bill payment date.

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