WELCOME

THE SUPREME INDUSTRIES LTD
MALANPUR- PLASTICS PIPE AND FITTING DIVISION

PLOT NO. K1, K2, K3, K4, K8 AND K9 VILLAGE GHIRONGI,
MALANPUR INDUSTRIAL AREA, DISTRICT BHIND, MADHYA PRADESH

Presentation For CII 24th National Award For Excellence In Energy Management 2023 (General Sector)

Team Member

1) Mr. Vikas Shukla(Sr. Manager -Maintenance)

2) Mr. Yogesh Gupta (Sr. Manager-Commercial, Corporate)

SUPREME'S KEY FIGURES AT A GLANCE

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TRIPLE
CERTIFICATION

ISO 14001, 45001, 50001

PLANTS **29**

OFFICES **20**

1.88 KL/MT 2022-23
3.36 KL/MT 2021-22
WATER INTENSITY REDUCTION

315.53 MILLION KWH

39,444 MT
2022-23

93% CIRCULARITY

12 MILLION KWH

194220 TCO_2
TOTAL EMISSION 2022-23

3.48 Cr GREEN KWH
PPA SIGNED 22-23

28.04
MWP

95395 TCO_2
EMISSION SAVED FROM
2019-20 ONWARDS

GROUP'S BUSINESS VERTICALS

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Plastic Piping Division

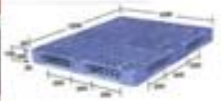
Consumer Products

Packaging Products

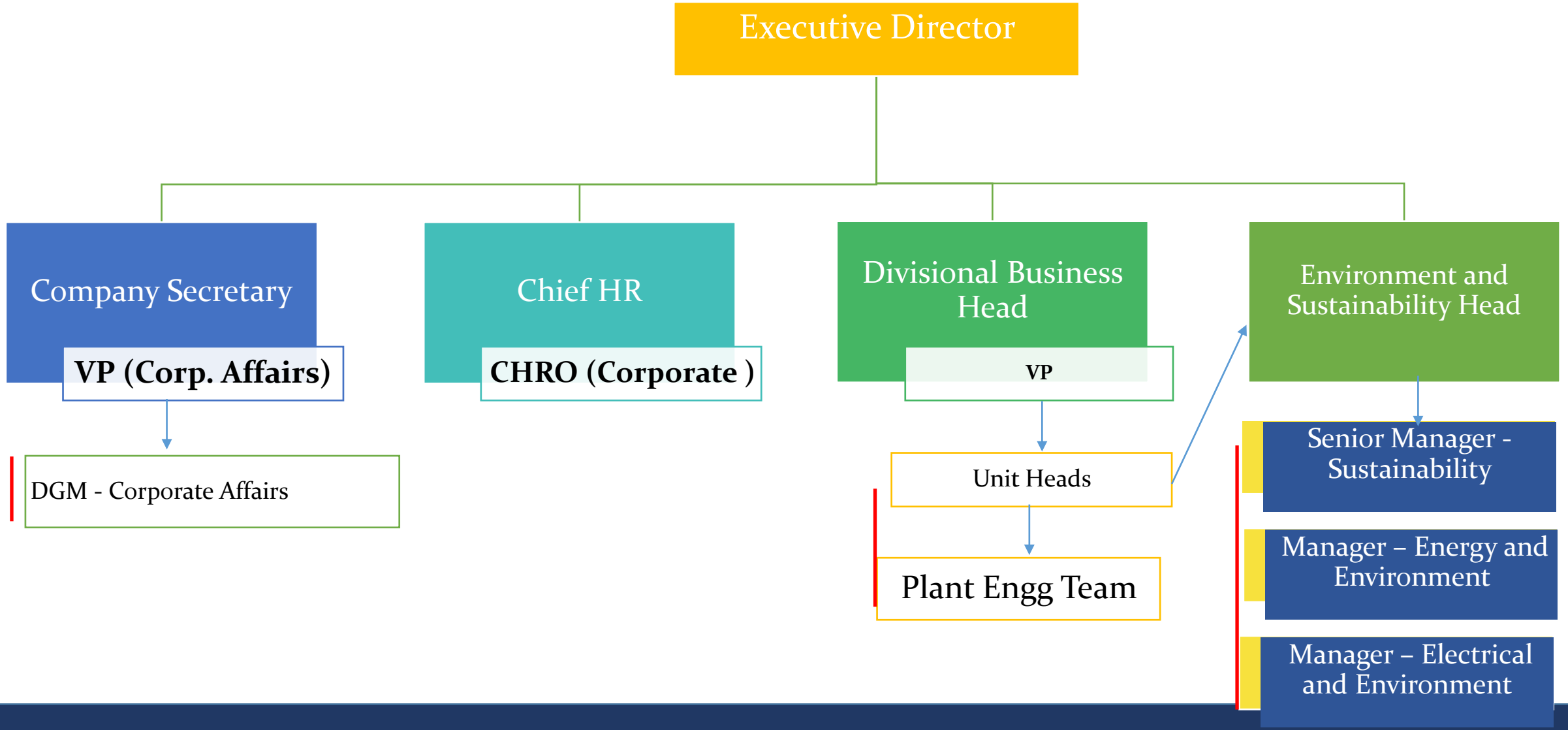
- Specialty Films
- Protective Packaging Products
- Cross Laminated Film Products

Industrial Products

- Industrial Components
- Material Handling Division
- Composite LPG Cylinders



SUSTAINABLITIY ORGANIZATION



SUPREME'S SUSTAINABILITY TREE

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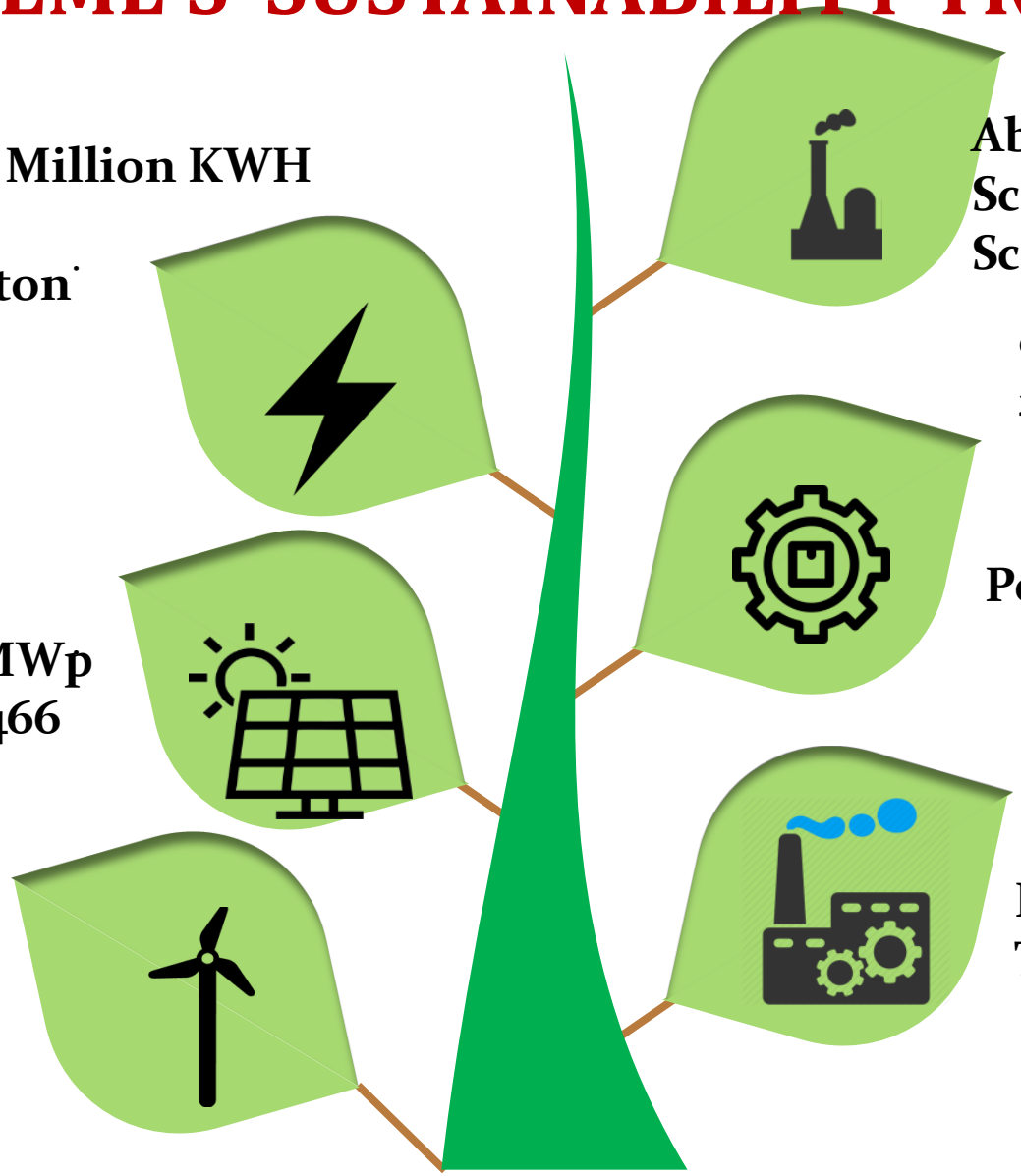
INPUT

Electricity : 315.54 Million KWH
Diesel: 888.22 KL
Natural Gas : 920 ton
LPG : 6026 ton

Grid : 85.08%
RE : 14.09%
D.G : 0.83%

Solar Size : 28.04 MWp
Solar Power : 32.466 Million Kwh

Wind Power
12 Million kWH



OUTPUT

Absolute emission- 1,94,220 TCO_2
Scope 1 : 13, 897 $MTCO_2$
Scope 2 : 1,80,323 $MTCO_2$

95,395 $MTCO_2$ saved from 2019-20 onwards

Polymer Processed: 5,05,995 MT

Emission Intensity : 381.37 TCO_2/MT

RENEWABLE ENERGY FOOTPRINTS

FY	Wind Units	Solar Capex	Solar Third Party	Total Green Energy	DG Units	Discom Units
FY 2019-20	2.91%	1.83%	4.44%	9.18%	1.61%	89.21%
FY 2020-21	3.44%	1.67%	4.93%	10.04% ↑	1.15% ↓	88.81% ↓
FY 2021-22	3.85%	1.82%	6.70%	12.37% ↑	1.02% ↓	86.61 % ↓
FY 2022-23	3.80%	3.95%	6.34%	14.09% ↑	0.83% ↓	85.08% ↓

Hosur Plant

- 84% Green Units
- 46.06 Lakhs Total Units
- 38.69 Lakhs Green Units

Sriperumbudur Plant

- 78% Green Units
- 92.72 Lakhs Total Units
- 72.15 Lakhs Green Units

OUR GREEN PRODUCTS

- INSU Sound XLO
- INSU Sound BN
- INSU Sound B CAP
- INSU BXL
- INSU Tape
- INSU flex Hose & Sheet
- INSU Reflector
- INSU Shield
- INSU Shield Tubing
- INSU MELA foam

Sustainability Way Forward

- Out of 29 plants, 26 plants RE Equipped, working for balance 2+1 plants RE-Presence.
  (1 Plant of Parvati Agro Plast, Sangli MOU Signed for acquisition on 24th Aug-23)

- Solar Capex (As On Date) -78 Cr

  (+) Budgeted Solar Capex FY 23-24 - 56 Cr

  Total Group Solar Capex- **134 Cr**

- 10 Plants ISO 50001:2018 Certified, 5 Plants in process of certification.

- Supreme Rank at 152 by NSE Market Capitilization on 31st Mar-23, working on SEBI newly release BRSR Core applicability.

MALANPUR- SPECIFIC ENERGY CONSUMPTION

THE SUPREME IND. LTD MALANPUR PERFORMANCE			
FY	UNIT CONSUMPTION IN KWH	PRODUCTION IN MT	KWH/MT
2020-21	2,38,29,777	48,410	492.251
2021-22	2,36,67,120	46,962	503.967
2022-23	2,84,69,657	60,428	471.131

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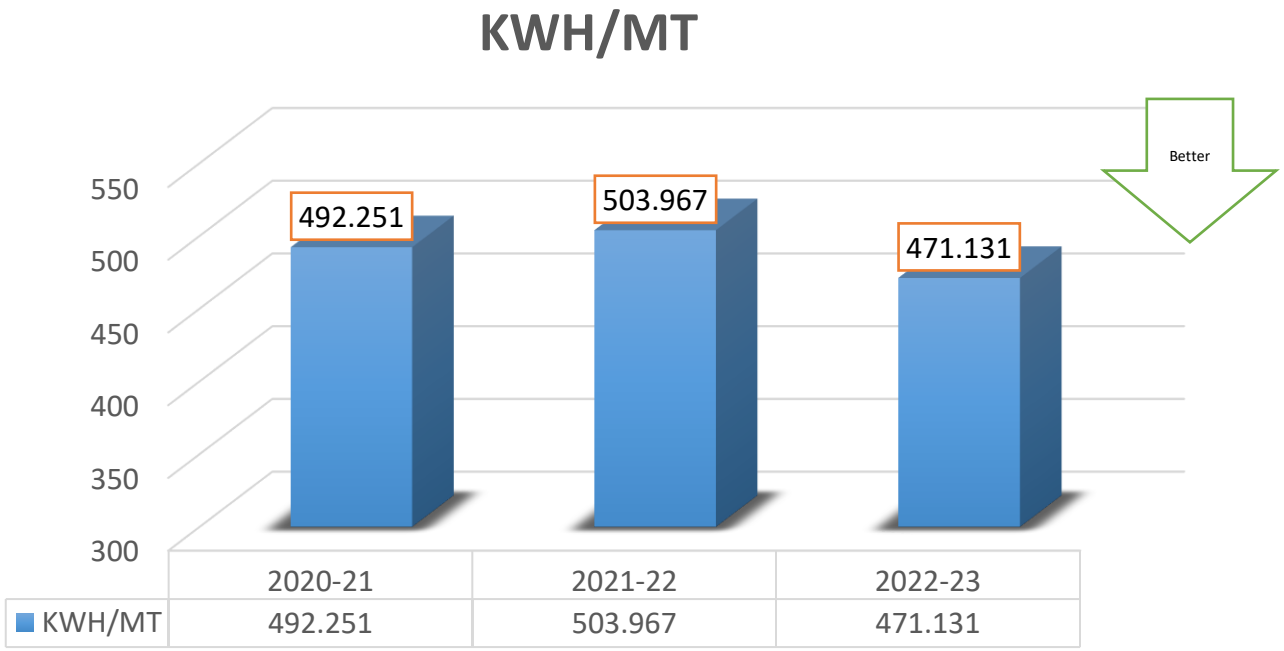
Manufacturing –

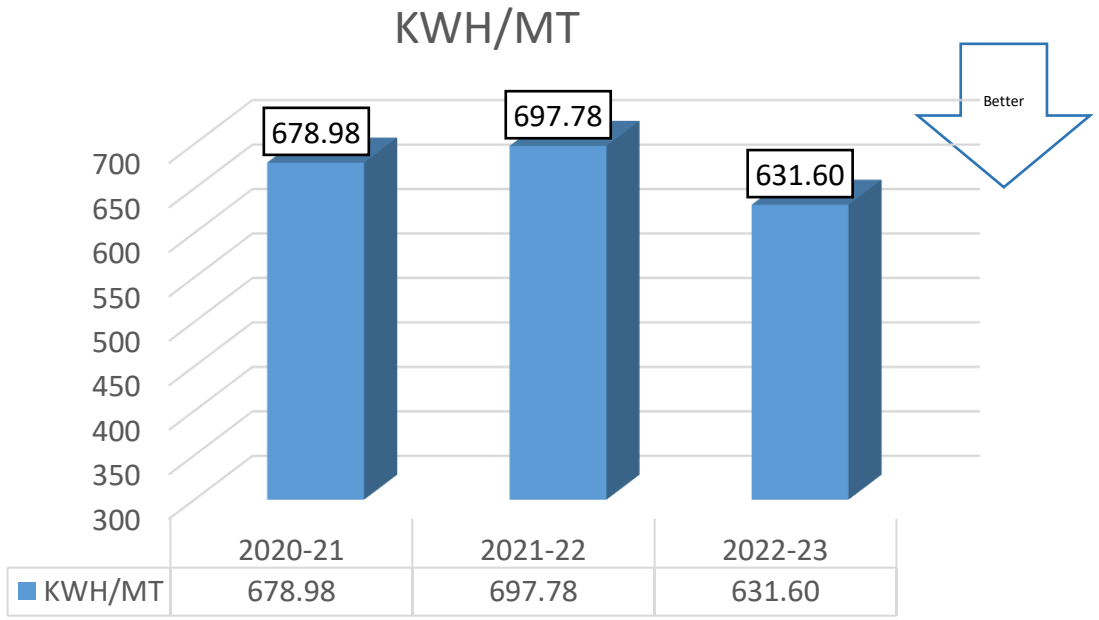
1) PVC FITTING PLANT
2) CPVC FITTING PLANT
3) PVC PIPE PLANT
4) CPVC PIPE PLANT



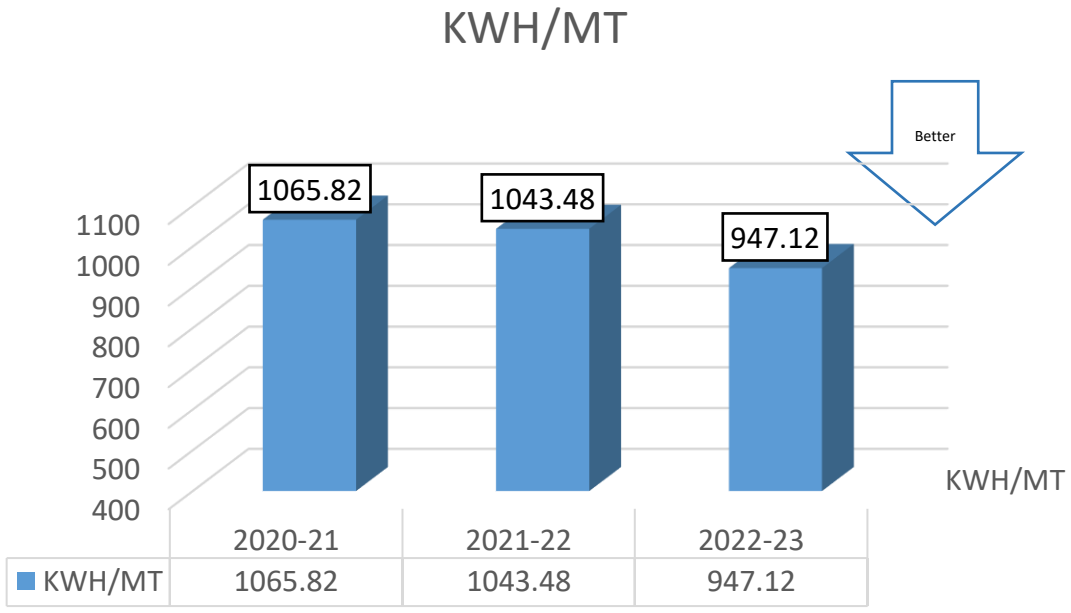
THE SUPREME IND. LTD MALANPUR PERFORMANCE		
SAVING KWH/MT IN FY-2022-23 FROM LAST FY 2021-22	**46.91**	KWH/MT
Unit saving in FY-2022-23 FROM LAST FY 2021-22	**28,09,474**	KWH
% OF IMPROVEMENT	**9.9**	%

MALANPUR- SPECIFIC ENERGY CONSUMPTION (SECTION WISE)

PVC FITTING PLANT			
FY	UNIT CONSUMPTION IN KWH	PRODUCTION IN MT	KWH/MT
2020-21	77,87,073	11,469	678.98
2021-22	65,65,525	9,409	697.78
2022-23	77,03,479	12,197	631.60



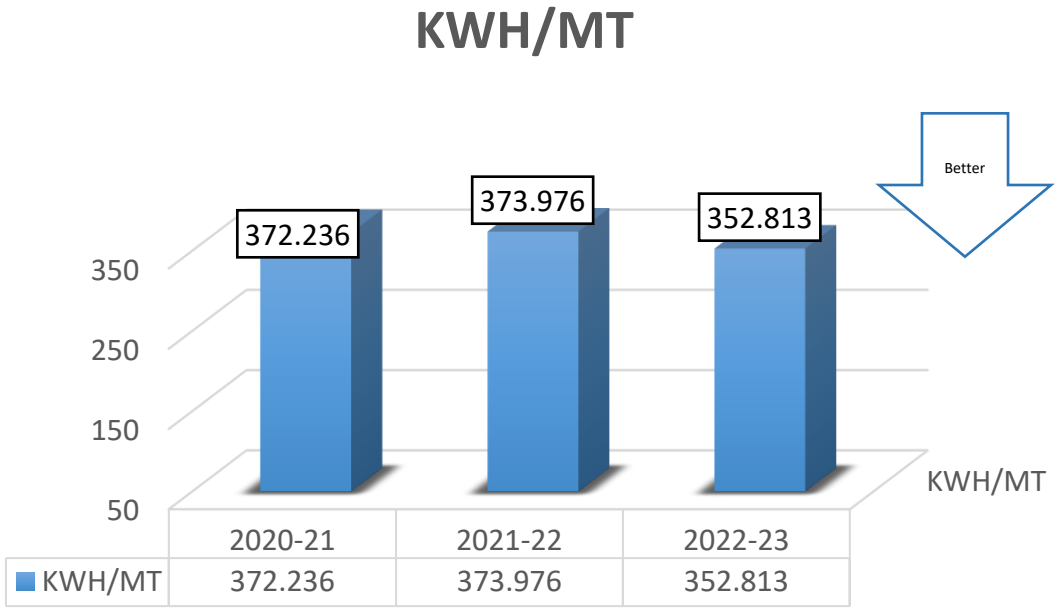
CPVC FITTING PLANT			
FY	UNIT CONSUMPTION IN KWH	PRODUCTION IN MT	KWH/MT
2020-21	22,87,670	2,146	1,065.82
2021-22	30,31,080	2,905	1,043.48
2022-23	31,99,001	3,378	947.12

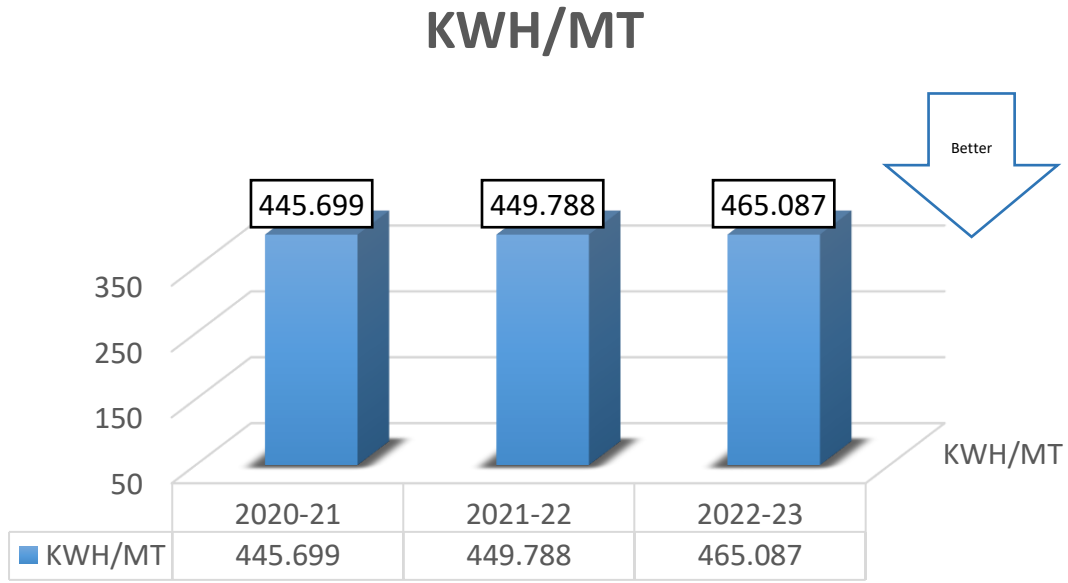


MALANPUR- SPECIFIC ENERGY CONSUMPTION (SECTION WISE)

PVC PIPE PLANT			
FY	UNIT CONSUMPTION IN KWH	PRODUCTION IN MT	KWH/MT
2020-21	1,09,34,072	29,374	372.24
2021-22	1,03,07,792	27,563	373.98
2022-23	1,30,09,330	36,873	352.81

CPVC PIPE PLANT			
FY	UNIT CONSUMPTION IN KWH	PRODUCTION IN MT	KWH/MT
2020-21	22,99,792	5,160	445.70
2021-22	29,96,149	6,661	449.79
2022-23	34,62,357	7,445	465.09

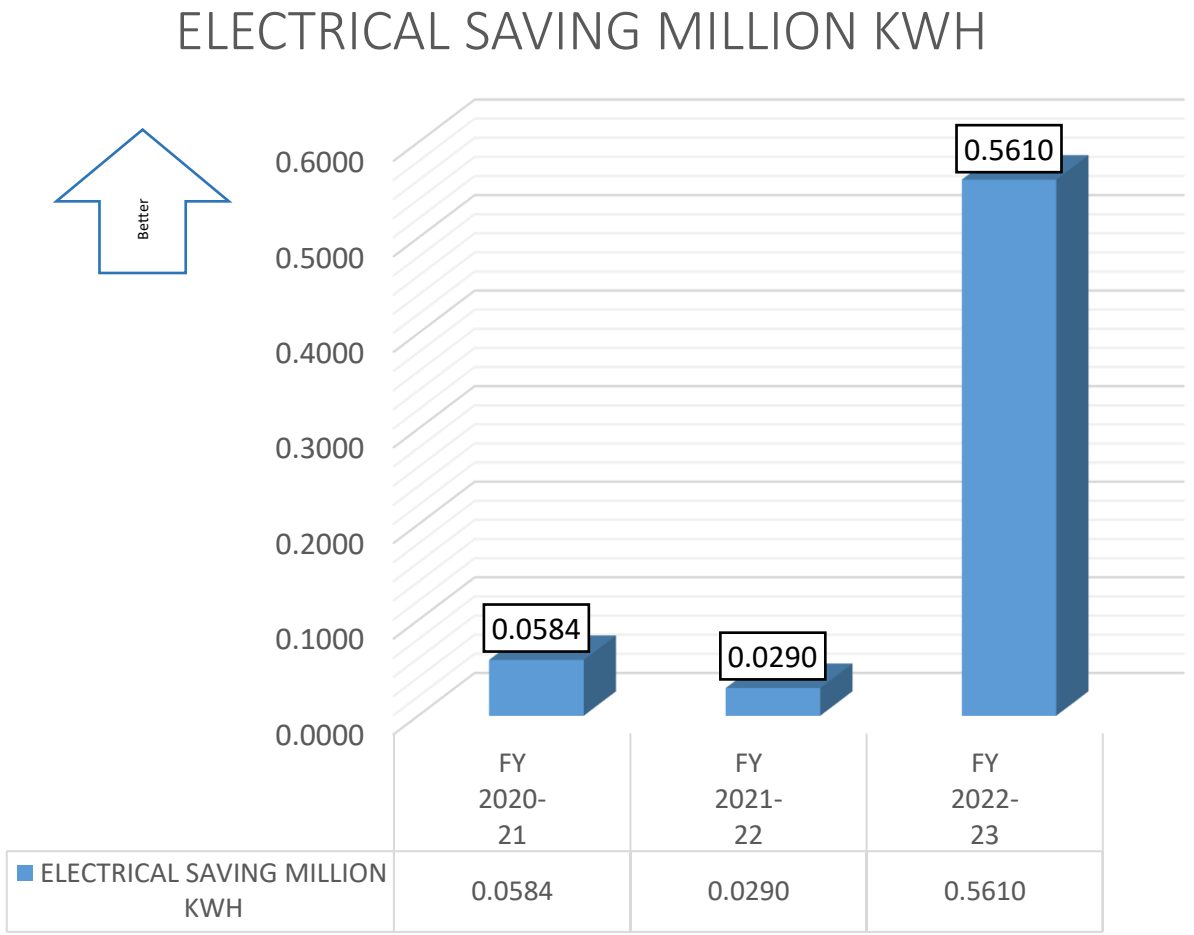




MALANPUR- ENERGY SAVING PROJECT (2020-23)

Energy Saving Project Last Three Years					
Year	No Of Energy Saving Projects	Investment (INR Millions)	Electrical Saving Million Kwh	Total Saving(INR Millions)	Payback Period In Months
FY 2020-21	4	0.288	0.0584	0.176	20
FY 2021-22	2	0.228	0.0290	0.206	13
FY 2022-23	4	2.011	0.5610	1.614	**15**

SUCESSFULLY COMPLETED – 10 MAJOR PROJECTS



MALANPUR- ENCON SAVING PROJECT (2022-23)

Energy Saving Project Fy-2022-23						
Sr. No.	**Project Description**	**Investments INR Million**	**Electrical Saving Million KWH**	**Thermal Saving Million Kcal**	**Total Saving INR Million**	**Pay Back Period In Months**
1	Atlas Copco Screw Vacuum Pump Model GHS585VSD+X2nos. , As a replacement of 14 Nos. of Speck Pumps on 14 Extrusion lines	1.75	0.138	0	1.014	21
2	Compressor fitting and pipe plant GA45 & GA75-02 pressure reduce 5.8BAR TO 5.4 BAR without hamper production and save energy	0	0.082	0	0.601	0
3	Utility Energy Consumption high, because 2x222TR chiller run in winter season. So we provided bypass line for process water direct cooled by colling tower and we save 3512 unit per day	0.175	0.337	0	2.478	1
4	10 NOS LED LIGHT FITTED IN PLACE OF 250W MH LIGHT IN PIPE & IMM PLANT	0.086	0.004	0	0.031	33
	Total	2.011	0.561	0	1.614	15

MALANPUR- ENCON SAVING PROJECT (2021-22)

ENERGY SAVING PROJECT FY-2021-22					
Sr. No.	**Project Description**	**Investments INR Million**	**Electrical Saving Million Kwh**	**Total Saving INR Million**	**Pay Back Period In Months**
1	30KW MOTOR RUN WITH STAR DELTA STARTER AND POWER CONSUMPTION NOT CONTROL AS PER REQUIREMENTNEW ,SO 30 KW VFD DANFOSS MAKE FITTED ON IMM PROCESS WATER PUMP AND CONTROL MOTOR SPEED AS PER REQUIREMNT	0.109	0.023	0.161	8
2	15 NOS LED LIGHT FITTED IN PLACE OF 250W MH LIGHT IN PIPE & IMM PLANT	0.119	0.006	0.045	32
	Total	0.228	0.029	0.206	13

MALANPUR- ENCON SAVING PROJECT (2020-21)

ENERGY SAVING PROJECT FY-2020-21					
Sr. No.	**Project description**	**INVESTMENTS INR MILLION**	**ELECTRICAL SAVING MILLION KWH**	**TOTAL SAVING INR MILLION**	**PAY BACK PERIOD IN MONTHS**
1	26 NOS LED LIGHT FITTED IN PLACE OF 250W MH LIGHT IN IMM PLANT	0.159	0.006	0.042	46
2	In Winter Season Atmospheric Temp Is Low So We Shut Down Our One Cooling Tower 11KW IN IMM Plant	0.000	0.019	0.134	0
3	11kw Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 11 Kw Vfd Danfoss Make Fitted On Imm Process Water Pump And Control Motor Speed As Per Requirement	0.061	0.009	0.066	11
4	30kw Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 30 Kw Vfd Delta Make Fitted On Imm Process Water Pump And Control Motor Speed As Per Requirement	0.069	0.024	0.170	5
	Total	0.288	0.058	0.176	

OVERVIEW ACTION TAKEN FOR ENERGY SAVINGS

Action Taken For Energy Saving	Remarks
Compressor set pressure as per process requirement	Compressor Pressure Optimization from 5.8bar to 5.4bar
Air leakages monitoring system	Continual process
Encourage use of hand blower instead of compressor	Discipline
Cooling Tower Fan Controller	Temperature Controller reduced CT Fan Operation
Seasonal utilization of chillers to optimize energy consumption	In winter operate plant from cooling tower
Segregation of high pressure compressor requirement and low air pressure requirement	Fix o ring compressor start pressure @6.2 then use separate small compressor Gx7
Moulding pump 30 kw throttled valve opened fully	Done on 20th January 2022

ENERGY SAVING KAIZEN -1

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Before		After
	Investment : Rs 17.5 lakhs	
What: De- Centralized 14 no. of barrel vacuum of extruders	Financial Savings: Rs 10.23 lakhs/Yr.	Replaced with Centralized Vacuum Pump System
Connected Load: 30kW		15 kW
Units/Year: 178152 kWH		32400 kWH
Cost: Rs 12,50,631		Rs 2,27,447

ENERGY SAVING KAIZEN -2

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	Before		After
			
What	Old 250wMH light installed (41 no.) replacement	Investment : Rs 4.42 lakhs	41 no. of 100w LED light installed
Power	(250w x 8 hrs.)/1000 = 2 kWh/day	Financial Savings: Rs 0.82 lakhs/Yr.	(100w x 8 hrs.)/1000 = 0.8 kWh/day
Savings	Nil		1.2 kWh/day
Lux Level	Low		High

ENERGY SAVING KAIZEN -3

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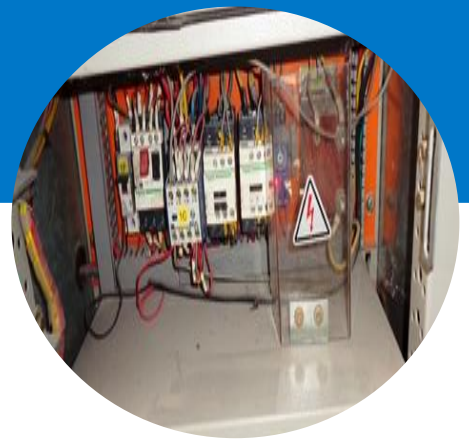
Before



After

Investment :
Rs 0.61 lakh

	Before	After
What	11 kW Motor run with Star Delta Starter	New 11 kW VFD fitted at CPVC Pipe Process Water Pump-1
Current	22 amp	16.5 amp
Units	9.76 kWH	8.54 kWH

Savings : 3.5 Amp

Savings :1.22 kWH

Financial Savings:
Rs 0.66 lakh/Yr.

Savings/day :29.29 kWH

ENERGY SAVING KAIZEN -4

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	Before	After
		
What	30 kW Motor ran with Star Delta Starter	New 30 kW VFD fitted at Fix-o-ring process water pump-1
Current	45 amp	40 amp
Units	28.23 kWH	25.09 kWH

Investment : Rs 0.69 lakh

Savings : 5 Amp

Savings :3.14 kWH

Financial Savings: Rs 1.69 lakh/Yr.

Savings/day :75.27 kWH

Supreme People who know plastics best	The Supreme Industries Ltd.– MALANPUR (Plastic Piping & Fitting Division)			Format	TSIL/IMS/MR/F08
KAIZEN NO	KAIZEN - IMPLEMENTATION				DATE-01.12.2016
LOCATION	OBJECTIVE	TEAM MEMBER	Mr. Virendra Yadav	Mr.Vinod Prajati	IMPLEMENTED DATE
	Compressor GA45– 3nos and GA75 02 nos pressure reduce 0.4 Bar		Mr. Naresh Verma	Mr. Rakesh Sharma	01.04.2022
Before		After			

PROBLEM- Compressed air pressure high

Cost Involved/ Payback - Rs-00.00

45KW 03 nos compressor pressure reduse and saving unit=0.33lac units in FY2022-23 & 75KW 02 nos compressute pressure reduse and saving units=0.48lac Total unit save=0.81lac units

Over production	Delays	Transportation	Process	Pokayoke	Inventory	Startup	Deffective
Implemented By.	**Mr. Virendra Yadav**	-	**Verified By**	**Mr. Rakesh Sharma**	**Remarks**		
	Mr.Vinod Prajati						

ENERGY SAVINGS PLAN FOR FY 23-24

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Plan Energy Saving Project Fy-2023-24						
Sr. No.	Project Description	Investments Inr Million	Electrical Saving Million Kwh	Thermal Saving Million Kcal	Total Saving Inr Million	Pay Back Period In Months
1	Modification Process Water Line PVC Fitting Plant By Separate Fix O Ring Plant Process Water Line Supply And Replace 30kw Process Pump By 11kw Process Pump.	0.67	0.166	0	1.232	7
2	30kw Vfd For Process Pump-1 Pipe Plant, Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 30 Kw Vfd Danfoss Make Fitted On Pipe Plant Process Water Pump And Control Motor Speed As Per Requirement	0.13	0.026	0	0.190	9
3	45kw Vfd For Process Pump-2 Imm Plant, Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 45 Kw Vfd Danfoss Make Fitted On Imm Process Water Pump And Control Motor Speed As Per Requirement	0.20	0.051	0	0.379	6
4	18.5kw Vfd For Mixer Pump-1 Pipe Plant, Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 18.5 Kw Vfd Danfoss Make Fitted On Pipe Plant Process Water Pump And Control Motor Speed As Per Requirement	0.11	0.013	0	0.100	13
5	11.0kw Vfd For Fcs Plant Process Pump-1&2; Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 11 Kw Vfd Danfoss Make Fitted On Fcs Plant Process Water Pump And Control Motor Speed As Per Requirement	0.15	0.020	0	0.147	12
6	5.5kw Vfd For Palletizer Plant Process Pump-1&2; Motor Run With Star Delta Starter And Power Consumption Not Control As Per Requirement new ,So 5.5 Kw 02 Nos Vfd Danfoss Make Fitted On Palletizer Process Water Pump And Control Motor Speed As Per Requirement	0.06	0.008	0	0.060	12
7	Led Light Fitted In Place Of 250w Mh Light In Pipe & Imm Plant Quty-20	0.13	0.008	0	0.060	27
	Total	**1.456**	**0.293**	**0.000**	**2.168**	**8**

INSIGHTS : RE – MALANPUR PVC

SOLAR PHOTOVOLTAIC CELLS MODULES DETAILS

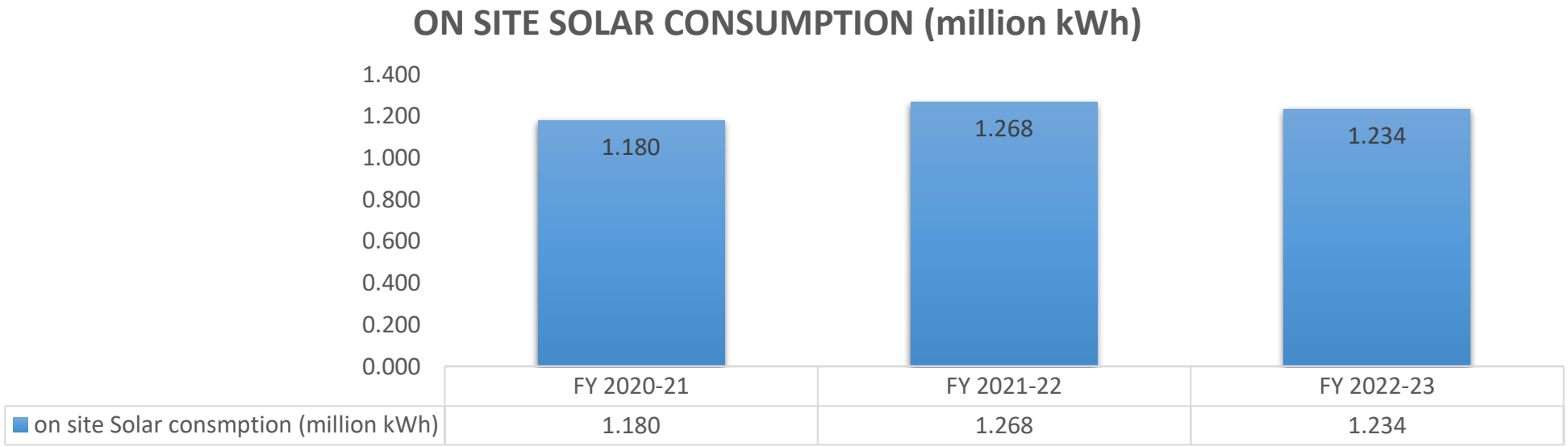
Rated Power	TRINA 310 Wp	TRINA 325 Wp
No. of Cells	72	
Type of Cell	Monocrystalline	
Description	TRINA Dual Glass Frame Less Module	TRINA PD 14 Module with Frame
No. of Module	2960	160
Capacity	917.6 kWp	52 kWp
Module Dimension	1978 x 992mm	1960 x 992mm
Module Thickness	6 mm	40 mm

GAINS ACHIEVED : RE – MALANPUR PVC

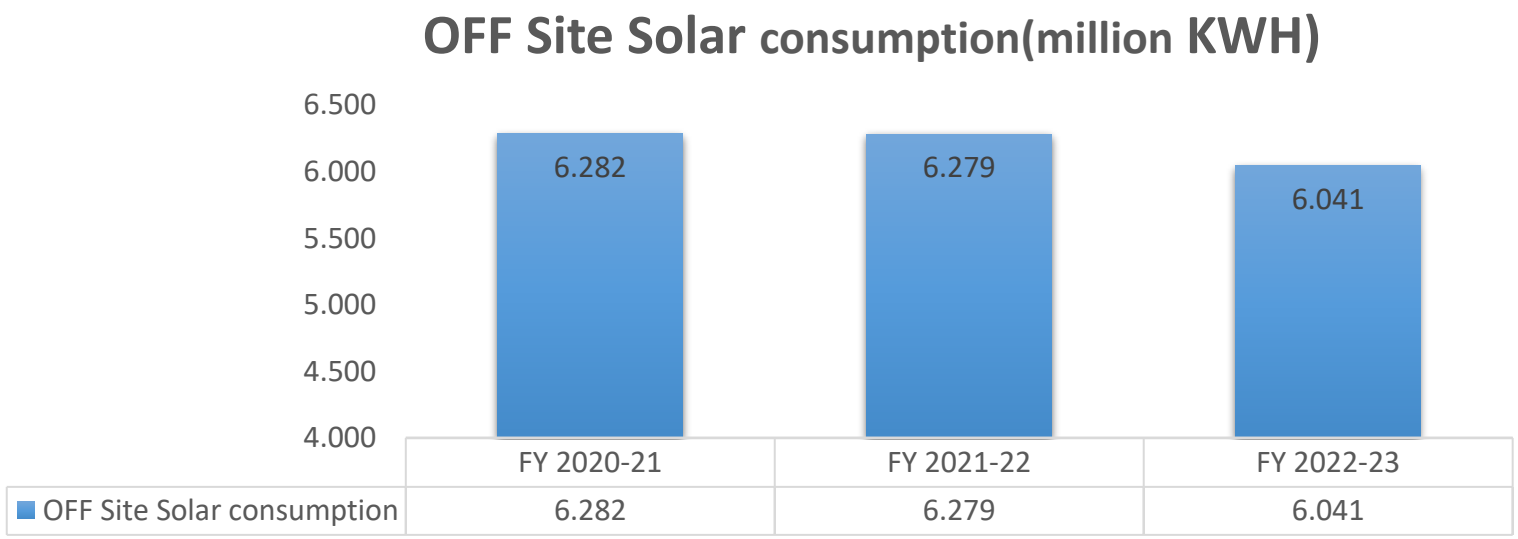
Approx. 73 lakhs (12 lakhs onsite generation) Green kWh consumed (approx. 26% of total requirement)

4928 tCO2 avoided emission

Onsite Generation				
Year	**Technology (Solar/Wind/Biomass Etc.)**	**Installed Capacity (MW)**	**On Site Solar Consumption (Million Kwh)**	**% Of Overall Electrical Energy Consumption**
FY 2020-21	SOLAR	0.81	1.180	5.0
FY 2021-22	SOLAR	0.81	1.268	5.4
FY 2022-23	SOLAR	0.81	1.234	4.3



OFFSITE GENERATION				
Year	**Technology (Solar/Wind/Biomass Etc.)**	**Installed Capacity (MW)**	**Consumption (Million Kwh)**	**% Of Overall Electrical Energy Consumption**
FY 2020-21	SOLAR	3.63	6.282	26.4
FY 2021-22	SOLAR	3.63	6.279	26.5
FY 2022-23	SOLAR	3.63	6.041	21.2



Innovative Project – 1

- **Installation of online energy monitoring system for different units of plant and configuration with PLC for Demand control**

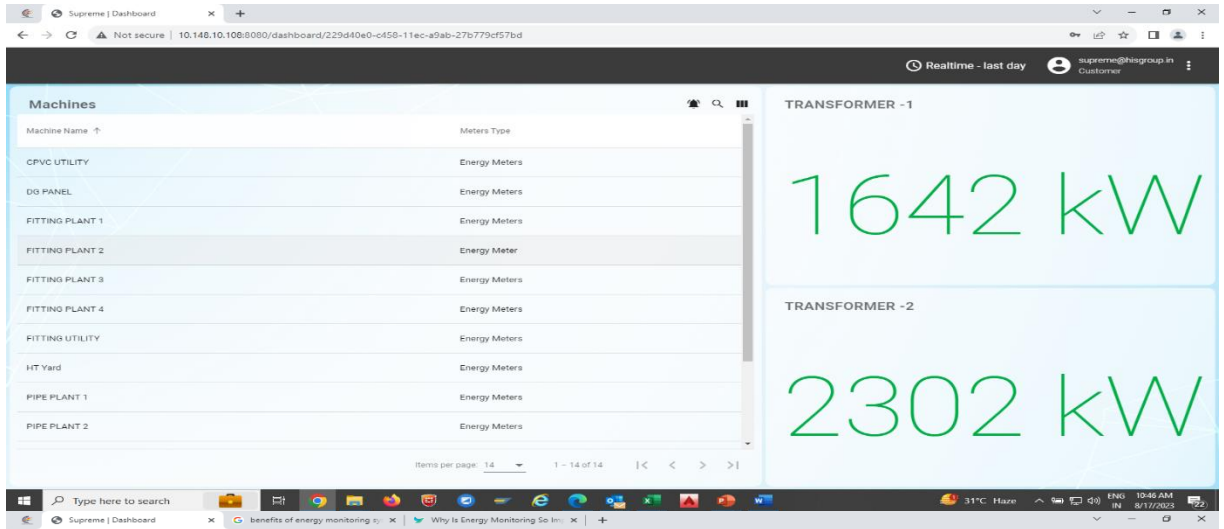
Problem identified:

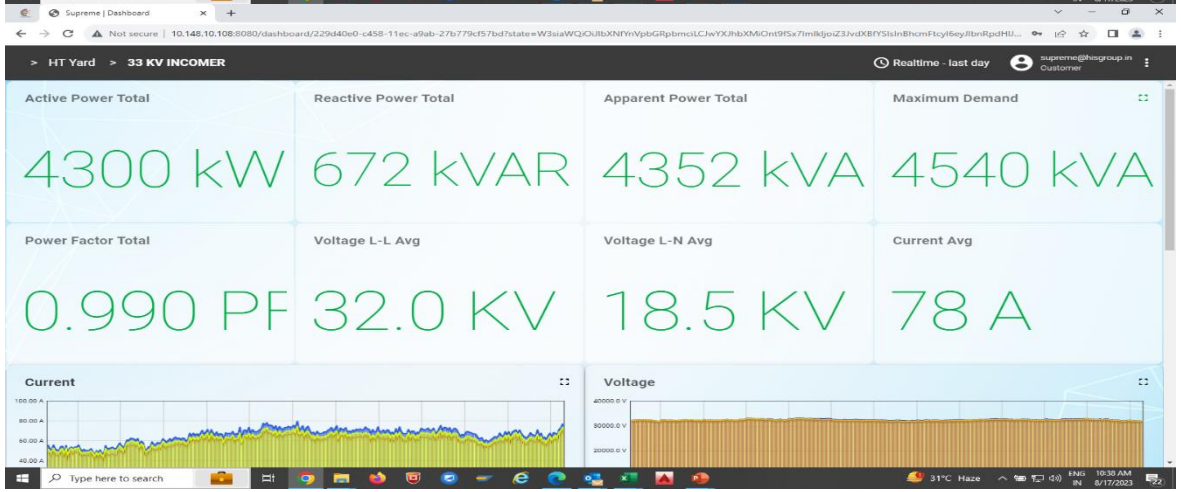
- ❖ **Difficulty to get real time power consumption with accuracy.**
- ❖ **Difficulty to get day power consumption trend.**
- ❖ **Difficulty to power consumption optimization to control demand.**
- ❖ **Difficult to manage power demand for our both transformers.**

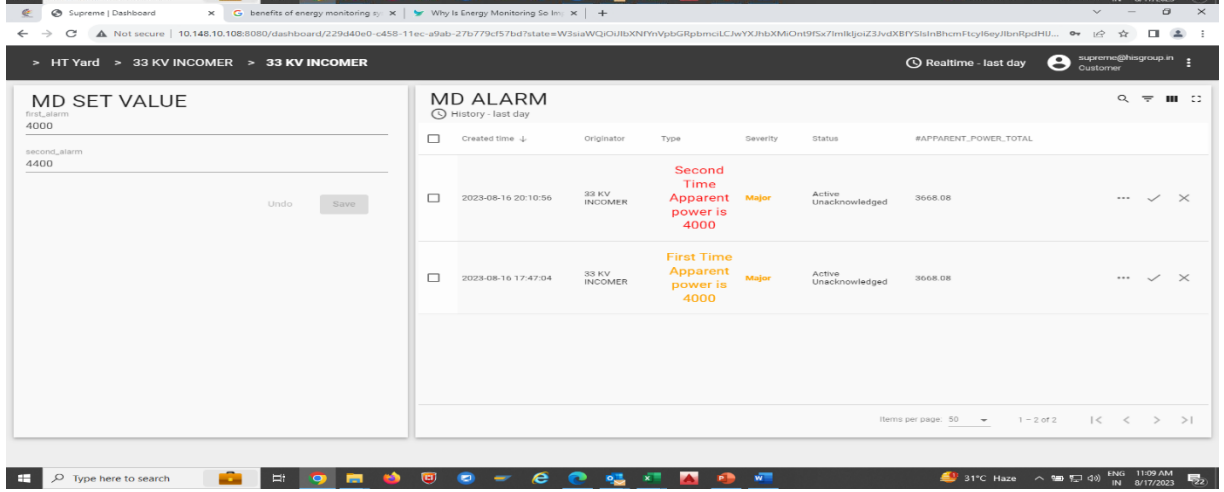
Benefit

- ❖ **Accurate data with real time and human error zero**
- ❖ **Monitor daily power consumption trend and easy to analysis data for power consumption control.**
- ❖ **Control energy significant area power with better utilization**
- ❖ **Control maximum demand and auto stop noncritical load by PLC control.**
- ❖ **Utility system monitoring and alarm facility for control wastage.**

Implementation: - Real time monitoring and analysis energy monitoring system







Innovation project- 2

- **GHG emission is reduced 34.86TCo2/year by best operation practices**. 1) We start use CNG vehicle for material transport in place of diesel vehicle in FY-2022-23 and reduce 8.38Tco2 in atmosphere/year and our target to increase 2 times of CNG vehicle in FY-2023-24

FY 2022-2023	
RUNNING KM	105190 KM
DIESEL TRUCK EMISSION TCO2	55.540 TCO2
CNG TRUCK EMISSION TCO2	47.160 TCO2
EMISSION AVOID	8.380 TCO2

2) Change packing standard and reduce poly bags and carton box, before 9 pieces packed in one box and box have a space then we check and packed 14 pieces in same box and reduce poly bag size. Change in material packing save carbon emission= 26.48 TON CO2 in atmosphere/year and 9.61lac INR save per year.

EXISTING PACKING

NEW PACKING

GHG PROFILE MALANPUR PVC – FY 2022-23

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14519 TCO_2 Total Emission	**356 TCO_2** Scope 1 Emission	**14163 TCO_2** Scope 2 Emission
60,428 MT Production	**0.24 TCO_2/MT** Emission Intensity	**14,294 TCO_2** Overall Avoided Emission till 2022-23 (till date)

ENERGY POLICY

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ENERGY POLICY

THE SUPREME INDUSTRIES LIMITED (Supreme) IS COMMITTED AND PLEDGED TO CONSERVE ENERGY JUDICIOUSLY IN ALL ITS PROCESSES, PRODUCTS AND SERVICES ACROSS THE ORGANIZATION. WE SHALL ENDEAVOUR TO TRANSFORM ENERGY CONSERVATION INTO A STRATEGIC BUSINESS GOAL FULLY ALIGNING WITH THE TECHNOLOGICAL ADVANCEMENTS BY IMPROVING THE SKILLS AND KNOWLEDGE OF OUR EMPLOYEES. THE OBJECTIVES TO ACHIEVE THE ENERGY SAVING ARE AS FOLLOWS :

- To reduce specific energy consumption in all our operations & activities by improving energy efficiency.
- Adopting best energy efficient technology equipment's available in the Global Market
- Committed to fulfill 35- 40% of the electricity demand through renewable sources by 2025.
- Committed to reduce the Carbon footprint GHG emission by 5% year on year basis upto 2025.
- To provide a framework EnMS Certification 50001 an focused documented approach for setting and reviewing objectives and Energy Targets.
- To improve Energy Performance and Energy Management system through Continual monitoring
- To encourage the supply chain partners for adopting sustainable sourcing of materials with low embodied energy.
- Energy conservation awareness program throughout the organization to ensure participation of all employees.
- Designing of new establishment & renovated facilities in line with better energy performance .
- To Commit & satisfy applicable legal requirements and other requirements related to energy efficiency, energy use and energy consumption.
- To Commit & ensure availability of information and necessary resources to achieve objectives and energy targets.

S. J. TAPARIA
(EXECUTIVE DIRECTOR)

IMS CERTIFICATION ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Bureau Veritas Certification

THE SUPREME INDUSTRIES LIMITED
(PLASTIC PIPES & FITTING DIVISION)

K1 TO K4, K8, K9 GHIRONGHI, INDUSTRIAL AREA, MALANPUR,
DISTRICT BHIND – 477 116, MADHYA PRADESH, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above Organisation has been audited and found to be in accordance with the requirements of the Management System Standards detailed below.

Standards

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Scope of certification

MANUFACTURING OF PLASTIC PIPES AND PIPE FITTINGS

Original cycle start date for ISO 9001 & ISO 14001: **25 August 2014**
Original cycle start date for ISO 45001: **20 August 2020**
Recertification cycle start date: **20 August 2023**
Subject to the continued satisfactory operation of the Organisation's Management System, this certificate is valid until: **19 August 2026**
Certificate No. **IND.23.6159/IM/U** Version: **1** Issue date: **20 August 2023**

For certificate authenticity, click here https://certcheck.ukas.com/

ISO 9001	IN044085
ISO 14001	IN044084
ISO 45001	IN044083

UKAS MANAGEMENT SYSTEMS 0008

Signed on behalf of BVCH SAS UK Branch
Jagdheesh N. MANIAN
Director – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division

Certification body address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom.

Local office: Bureau Veritas (India) Private Limited (Certification Business) 72 Business Park, Marol Industrial Area, MIDC Cross Road "C", Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call + 91 22 6274 2000.

ISO 50001:2018 CERTIFICATION

Bureau Veritas Certification

THE SUPREME INDUSTRIES LIMITED

Supreme
People who know plastics best

K1 TO K4, K8, K9 BLOCK, GHIRONGI, INDUSTRIAL AREA, MALANPUR,
DISTT. BHIND – 477 116, MADHYA PRADESH, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System Standard detailed below.

Standard

ISO 50001:2018

Scope of certification

MANUFACTURING OF PLASTIC PIPES AND FITTINGS

Original cycle start date: **27 November 2022**
Expiry date of previous cycle: **Not Applicable**
Certification Audit date: **21 October 2022**
Certification cycle start date: **27 November 2022**
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **26 November 2025**
Certificate No. **IND.22.20408/EN/U** Version: **1** Issue date: **27 November 2022**

UKAS MANAGEMENT SYSTEMS 0008

Signed on behalf of BVCH SAS UK Branch
Jagdheesh N. MANIAN
Director – CERTIFICATION, South Asia
Commodities, Industry & Facilities Division

Certification body address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom.

Local office: Bureau Veritas (India) Private Limited (Certification Business) 72 Business Park, Marol Industrial Area, MIDC Cross Road "C", Andheri (East), Mumbai – 400 093, India.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call + 91 22 6274 2000.

ENERGY AND ENVIRONMENT TEAM

Corporate Team

Vasudev Sharma
Senior General Manager – Energy and Environment

- **Yogesh Gupta**
  Senior Manager – Energy and Environment
- **Shashank Srivastava**
  Manager – Energy and Environment
- **Siddharth Srivastava**
  Manager – Energy and Environment

Plant Team

Santosh Kabra
Plant Head

Maintenance	Production	Plant	Purchase & HR
Mr. Rakesh	Mr. Ajay	Mr. Sanjay	Mr. Anil
Mr. Vikash	Mr. Motichand	Mr. Shivraj	Mr. Harish
Mr. Virendra	Mr. Bharat	Mr. Jitendra	Mr. Shekhawat
Mr. Anish	Mr. Ravi	Mr. Ravi	Mr. Shiv
Mr. Nitin	Mr. Raghvendra	Mr. Arun	Mr. Brajesh
Mr. Vinod	Mr. Ranjan	Mr. Ajay	Mr. Jitendra
	Mr. Vijay	Mr. Satish	Mr. Mahendra
	Mr. Daulat	Mr. Bhoopendra	
	Mr. Kapil	Mr. Hanuman	
	Ms. Sanwari	Mr. Satendra	

- ISO 50001 handholding for implementation
- Sharing best practices to supplier
- Energy eff. Facility planning
- Upgradation to eff. Technologies
- Supplier training
- Process study and gap analyses
- Benchmarking
- Efficient O&M of utility/IT facilities
- Upgradation to eff. Technologies
- Process study Benchmarking
- Facilitate external training
- Participation in external events
- Rewards and recognition
- Green supply chain initiatives

- Daily monitoring & control
- Gap analyses
- Zero investment idea implementation
- Operational efficiency during fluctuating demand
- Idea generation
- Motivate employee involvement
- Training need identification

Total no of Energy Management System coordinators & Energy champions = 90 Nos

ENVIRONMENTAL DAY, on this occasion we have planned to plant 300 nos. trees within our factory premises and surrounding area.

Session & Operational Training Conducted for fire fighting equipment


THANK YOU