



**Grasim Industries Limited**  
**VFY – Fashion Yarn Business**  
**Unit – Century Rayon**



**Energy Conservation at Century Rayon**





- Located at Shahad about **60 Kms** from **Mumbai**.
- Spread over **121 acres** including Colony



### Year of Establishment

Inception	1954
Pot Spun Yarn	1956
Tyre Yarn & Cord	1963
Membrane Cell	1992
Continuous Spun Yarn	1998



Management & Staff	450
Workmen	4044
Contractual Workmen	1650
Total Manpower	6144



### Production Capacity

Pot Spun Yarn	48	TPD
Continuous Spun Yarn	12	TPD
Tyre Yarn & Cord	16	TPD
Caustic Soda	70	TPD
Carbon Di-Sulphide	54	TPD
Sulphuric Acid	200	TPD
Power Generation	18	MW
Water Treatment Plant	30000	M3/Day
Effluent Treatment Plant	16000	M3/Day

1954

**Establishment of Century Rayon**

(A division of Century Textiles & Industries Ltd)

1956  
to  
2016

- 1956 - Startup of 5 TPD PSY plant. Followed by Expansions.
- 1960 to 1970 - Tyrecord , Sulphuric Acid, Carbon di- Sulphide & Caustic soda Plants commissioned and capacity expansion.
- 1998-2016 - Startup of CSY Plant with 12 CSY machines in collaboration with SNAICO & expansions up to 50 Machines.

2018

Century Rayon commenced operations under Grasim from 01<sup>st</sup> February 2018.

**Agreement** for the 'Right to Manage & Operate' VFY business of Century Textiles & Industries Limited (CTIL) for a period of 15 years.

2020

**Integration of Century Rayon & Indian Rayon** under one umbrella of "One VFY – Fashion Yarn Business"

- Grasim's production of VFY capacity increased from **21,300 to 46,300** TPA. (IR & CR).
- Adoption of best practices across ABG Business & synergy of operations between IR & CR.





Certifications/Accreditation	Status	
STeP	Certified	Sustainable Textile Production – Environmental friendly & socially responsible production
Oeko Tex	Certified	International Association for Research & Testing (Human-ecological safety of textile products)
FSC - COC	Certified	Forest Stewardship Council - Chain of Custody
NABL	Certified	Standard for Testing & Calibration Laboratories
ISO 9001: 2015	Certified	Quality Management System
ISO 14001: 2015	Certified	Environmental Management System
ISO 45001:2018	Certified	Occupational Health & Safety System
ISO 50001: 2018	Certified	Energy Management System
ISO/IEC 27001: 2013	Certified	Information Security Management system
ISO/IEC 20000 - 1:2011	Certified	IT Service Management System
ZDHC - Contributor	Certified	Zero discharge of Hazardous Chemicals
CANOPY STYLE	Yellow Shirt	Green Shirt Certification
RCS	Sustainability By Recycled Raw Material	
SA-8000:2014	Certified	Social Accountability





**GRASIM INDUSTRIES LIMITED**  
(UNIT: CENTURY RAYON)  
SHAHAD – 421103



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**ENERGY AND CARBON POLICY**

We, Grasim Industries Limited, Unit- Century Rayon, Shahad recognize that energy consumption and carbon emissions are the important issues currently affecting the planet. We understand the risk of dependence solely on fossil fuels and the potential consequences associated carbon emissions related to our operations. We are committed to demonstrate excellence in Energy and Carbon Management Performance on continual basis.

To achieve this, we shall endeavor to:

- Maintain positive legal Compliance to energy and carbon regulations and other requirements;
- Raise awareness to encourage efficient use of energy resources, with a focus on reducing energy intensity and carbon footprint of operations and products;
- Increase the use of renewable energy wherever possible;
- Promote research and development for cleaner and efficient technologies to support adoption of latest low carbon solutions;
- Evaluate technically and financially feasible and cost-effective options to reduce potential carbon emissions during the construction and operation of new projects;
- Continuous up-gradation of process with energy efficient and Eco-friendly technology to optimize the energy cost;
- Continually improve energy and carbon management within and across the supply and value chains by adopting internationally accepted and economically viable Management Systems and best practices;
- Engage internally and externally with the stake holders and wider communities to understand and collaborate on actions promoting reduced energy intensity and low carbon approaches to benefit both the company and associated communities;
- Actively communicate and disclose our approach and achievements to stakeholders and regularly seek feedback through stakeholder forums;
- Provide necessary resources and information to achieve objective and targets and Support the purchase of energy efficient products, services and design for energy performance improvement;
- Monitor, measure and report energy usage and carbon emissions in compliance with internationally recognized protocols; and
- Ensure this policy is communicated at all levels within organization and is available to relevant interested parties on request.

This policy shall be reviewed periodically for its suitability and updated as necessary.

-Sd-  
**Unit Head**

**Date: 02.08.2022**



## CERTIFICATE

Management System as per  
**ISO 50001 : 2018**

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021:1-2015, that the organization:

**GRASIM INDUSTRIES LIMITED - UNIT CENTURY RAYON**  
**PLANT : Murbad Road, Shahad,**  
**Dist. Thane - 421 103, Maharashtra,**  
**India**

operates a management system in accordance with the requirements of ISO 50001 : 2018 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

**Manufacture of Viscose Filament Yarn, High Tenacity Tyre Yarn, Rayon Tyrecord Fabric & Industrial Chemicals.**

Certificate Registration No. **44 764 18391873**  
Audit Report No. **2.6-1198/1894**



Certification Body  
at TÜV NORD CERT GmbH

Valid from **29.07.2021**  
Valid until **28.07.2024**  
Initial certification **29.07.2018**

Mumbai, **29.06.2021**

TÜV NORD CERT GmbH

Langemarckstrasse 20

45141 Essen

[www.tuv-nord-cert.com](http://www.tuv-nord-cert.com)

TÜV India Pvt. Ltd.

8/1, Rajeev Plaza - 1, L.B.S. Marg, Ghokiper (W),

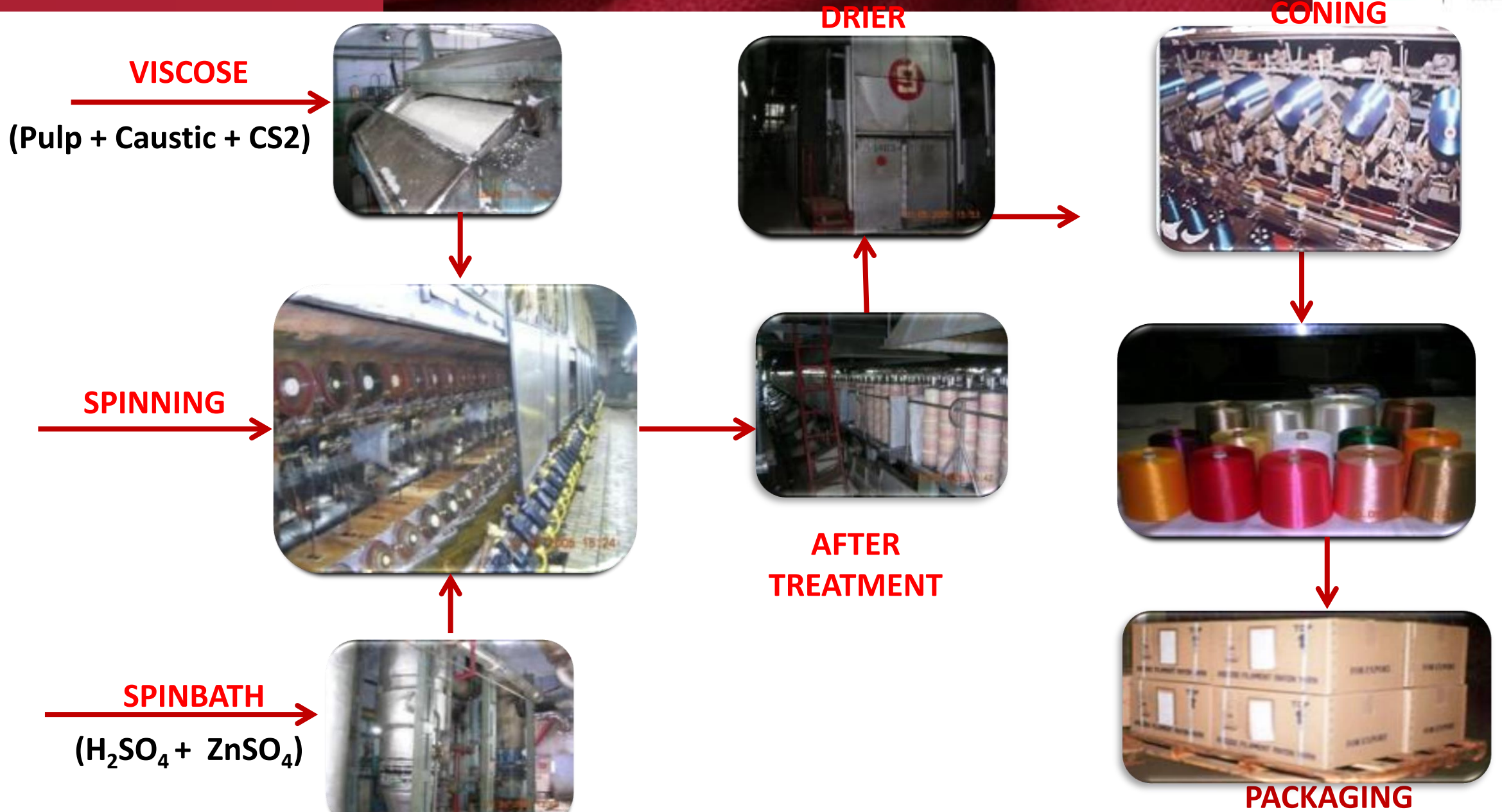
Mumbai - 400 086, India

[www.tuvindia.com](http://www.tuvindia.com)






# Viscose Filament Yarn – Process Flow Chart





Viscose Filament Yarn – Fashion Yarn is referred to in **Deniers (D)**, defined by the fineness of a yarn. VFY industry is an interplay of Deniers. Finer the denier higher the premium can be expected.

1. Superfine – Below 75D upto 20 D
2. Fine – Above 75D upto 150D
3. Coarse – Above 150D upto 1200D



## Manufacturing Technologies

### ○ Pot Spun yarn (PSY)

40 Denier to 600 Denier

- Zero Shrinkage
- Wider Applications
- Variety : Bright, Dull & Coloured yarns
- Speciality products : Air texturized, Double twisted yarn, Lycra covered

### ○ Continuous Spun yarn (CSY)

20 Denier to 180 Denier

- Higher Shrinkage (about 4%)
- Higher Tenacity
- Variety: Low Glue, High Glue & Super High Glue

### ○ Tyrecord (TC)

1650 Denier & 2200 Denier

- Higher Tenacity Rayon Tyre yarn
- Tyre cord & Tyre cord Fabric





Acid Absorption Crystallizers at PSY Plant 2009-10



Centrifugal Chiller 2012



Mist Condenser (2012-13)



Acid Absorption Crystallizers at T/C Plant 2013-14



Installation of LP Turbine Aug.2015



Mist Cooling Tower 2015-16



New Udehdehnora Gen.-4 Electrolyser for Caustic Plant 2018-19



Mist Combo System for AAC 2017-18



Jet Type Fan less Induced Draft Cooling Tower Jan2017

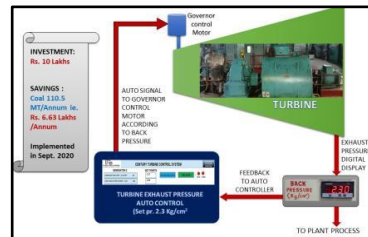


Advance Tube Cleaning System 2022

USE OF RENEWABLE ENERGY



Screw Air compressor With permanent Magnet Motor 2019



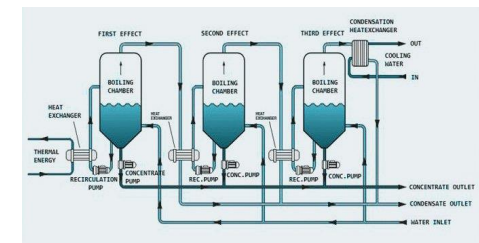
Turbine Back pressure Auto Control 2020-21



SOLAR PV Power Plant 42 Kw at Main Sub Station.2021



BLDC Ceiling Fan 2021



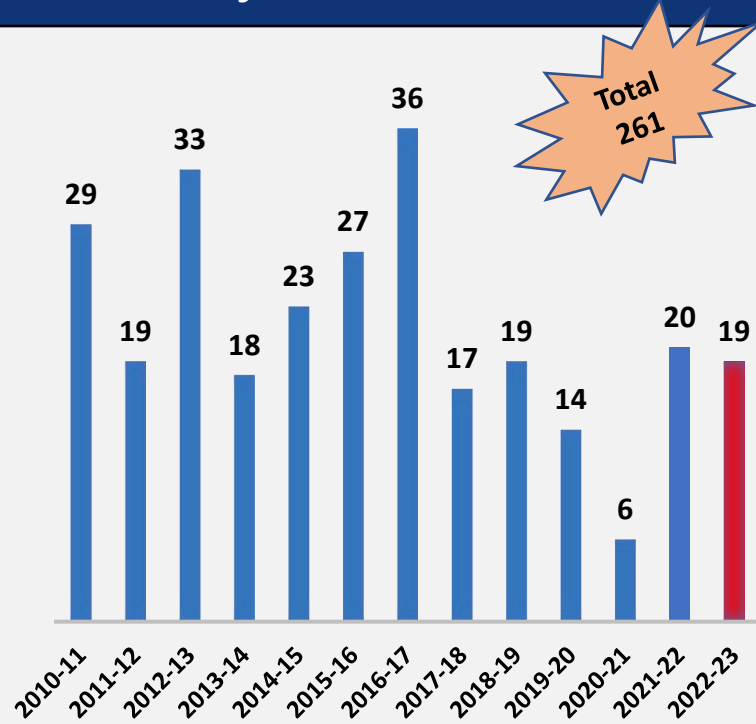
Multi Stage Flash Evaporation System 2022



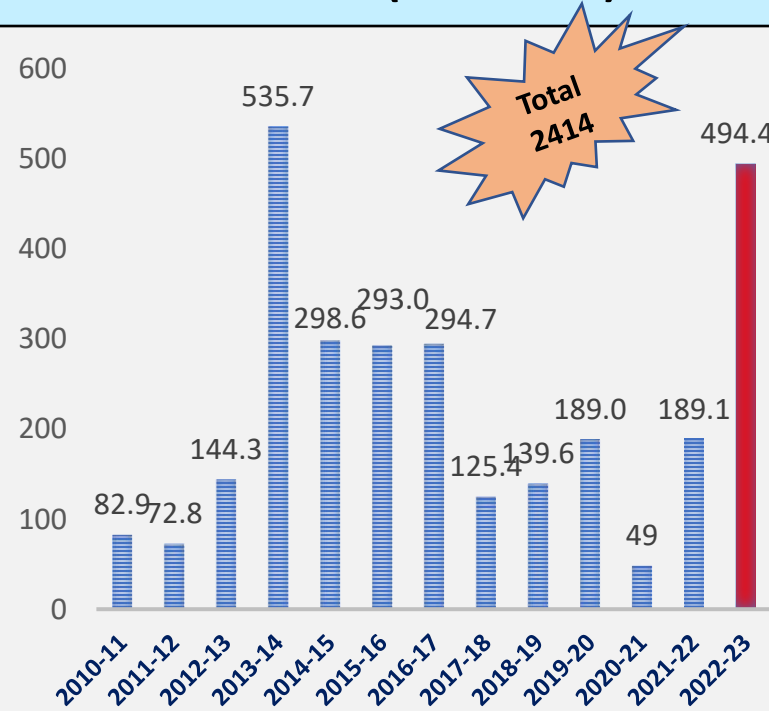
# Absolute Energy Savings, Energy Saving Projects And Investment for last 12 Years



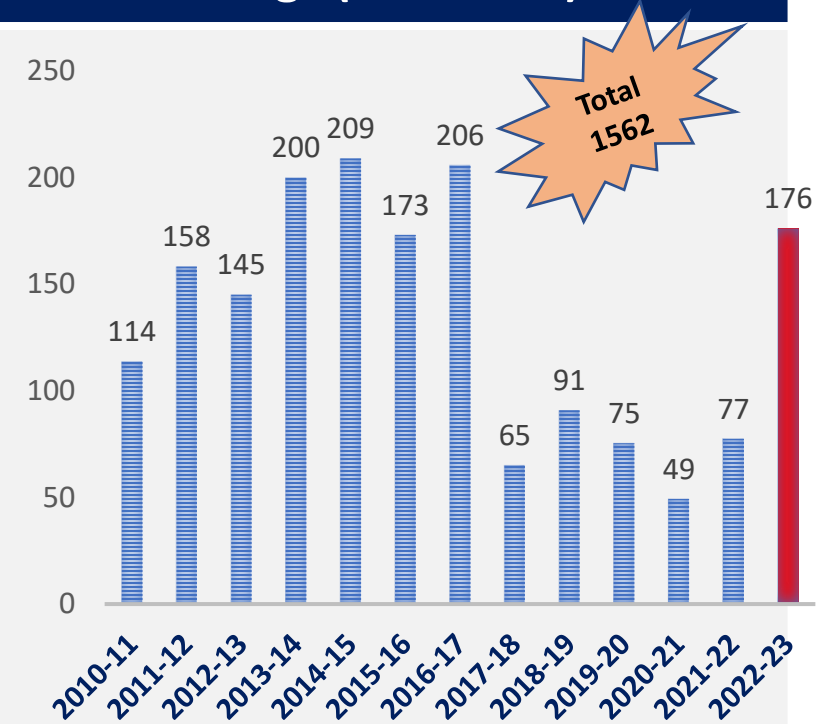
## Projects Undertaken



## Investment (Rs. Lakhs)



## Savings (Rs. Lakhs)



## Absolute Energy Saving (2010-2022)



**Electrical Saving**  
227 Lakhs KWh

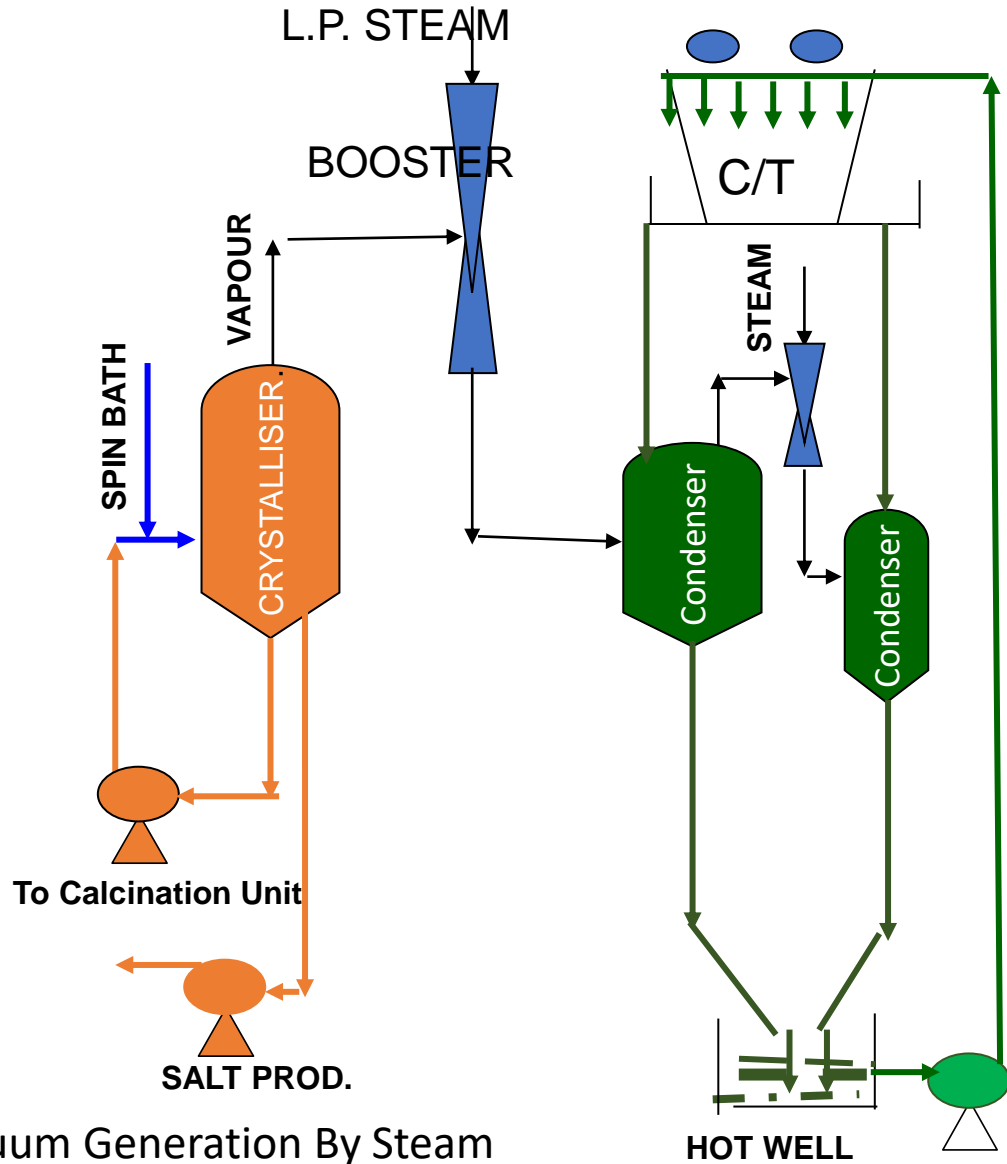


**Thermal Energy savings (Coal)**  
4783 MT



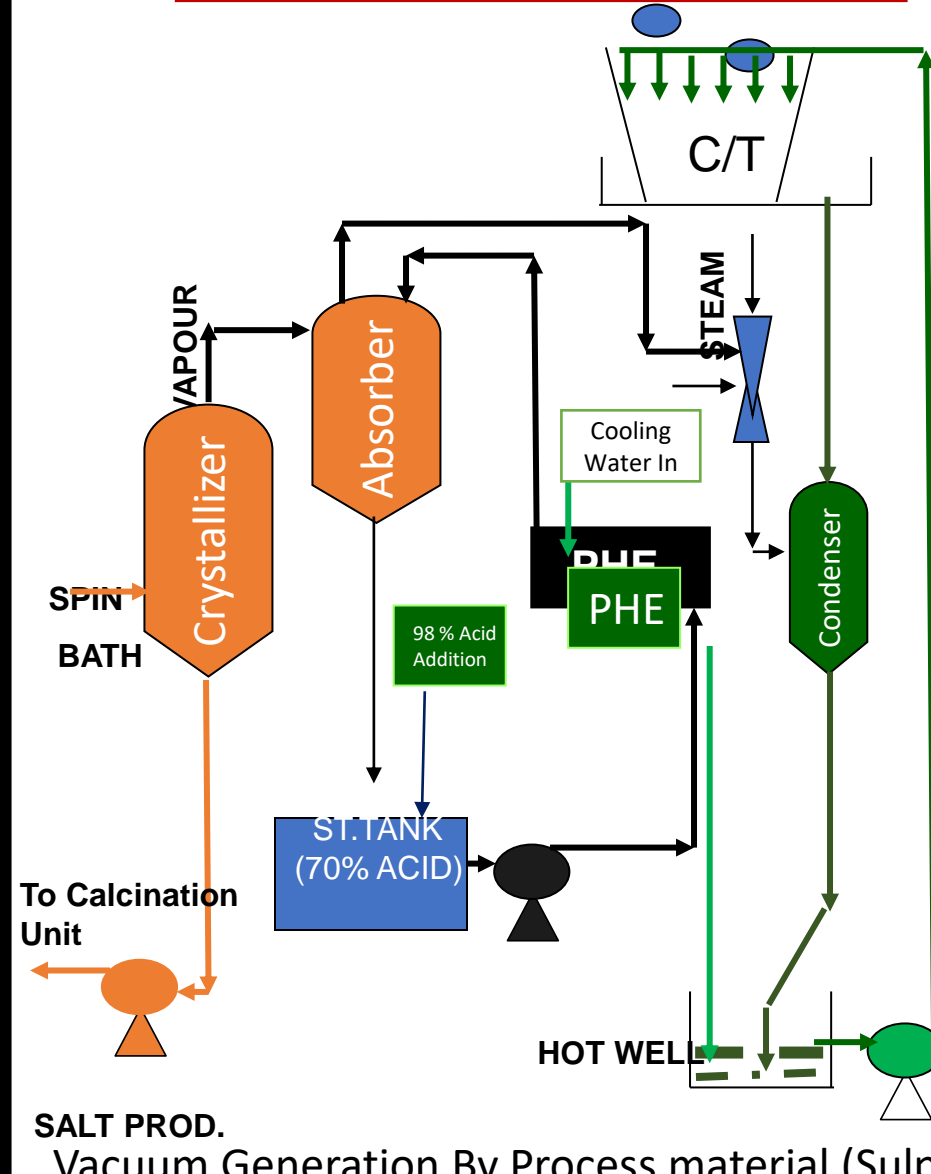
**CO<sub>2</sub> Emission Reduction**  
24826 Tons

## Steam Jet Crystalliser



Vacuum Generation By Steam

## Acid Absorption Crystalliser



SALT PROD. Vacuum Generation By Process material (Sulphuric Acid)

1	Steam consumption by Crystallizer system	85 TPD
2	Steam consumption by Acid Absorption Crystallizer system	30 TPD
3	Net Steam Savings per day	55 TPD

Investment	Rs. 450 Lacs
Actual Saving per year 1. Steam – 55 TPD 2. Power – 600 kWh/Day	Rs. 115.50 Lacs
Pay Back Period	4 Years





In Rayon Engine room, we are having 6 nos. of cooling towers, which are required to cool the condenser water coming from Chillers. Out of these, cooling tower No. 1 & 2 are cross flow type & Cooling tower No.3,4,5 & 6 are counter flow type. Approach of these Cooling tower are in range between 4°C to 5°C.

Mist cooling tower which is having approach 2°C. Another advantage in it is that it does not have any moving part, no fill, no wooden structure, hence no maintenance.

Mist Cooling tower Condenser Pump Power Consumption -147 KW  
 Saving in Cooling Tower Power -168-147=21 KW  
 Reduction in Chiller Specific Power Consumption =0.04Kw  
 Total Chiller Power Saving = 0.04\*650 = 26 Kw  
 Total power Saving =21+26=47 KW

Old Cooling tower Power Consumption -168 KW

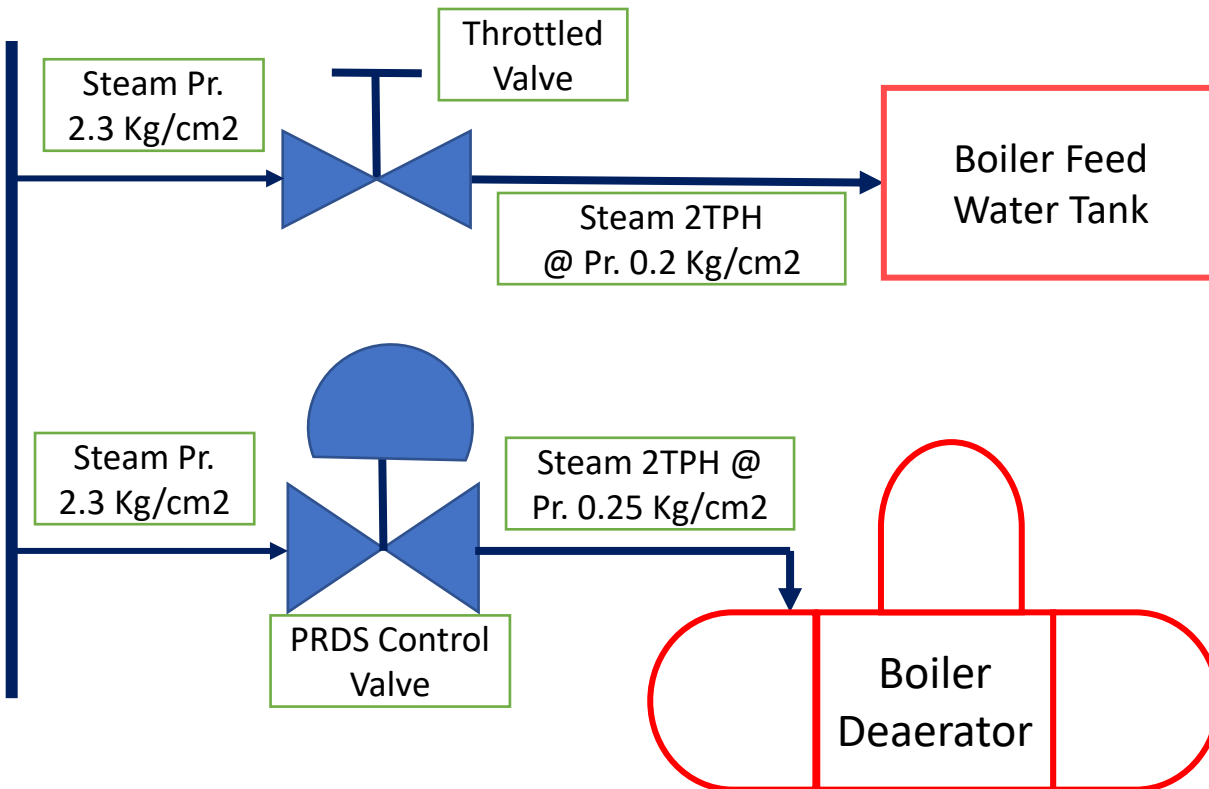


Parameter	Unit	Qty.
Investment	Rs. Lakhs	81.5
Electrical Saving	KWh/Annum	394000
Financial saving	Rs. Lakhs /Annum	29.55
Pay Back	Years	2.75
Installation		Nov. 2016



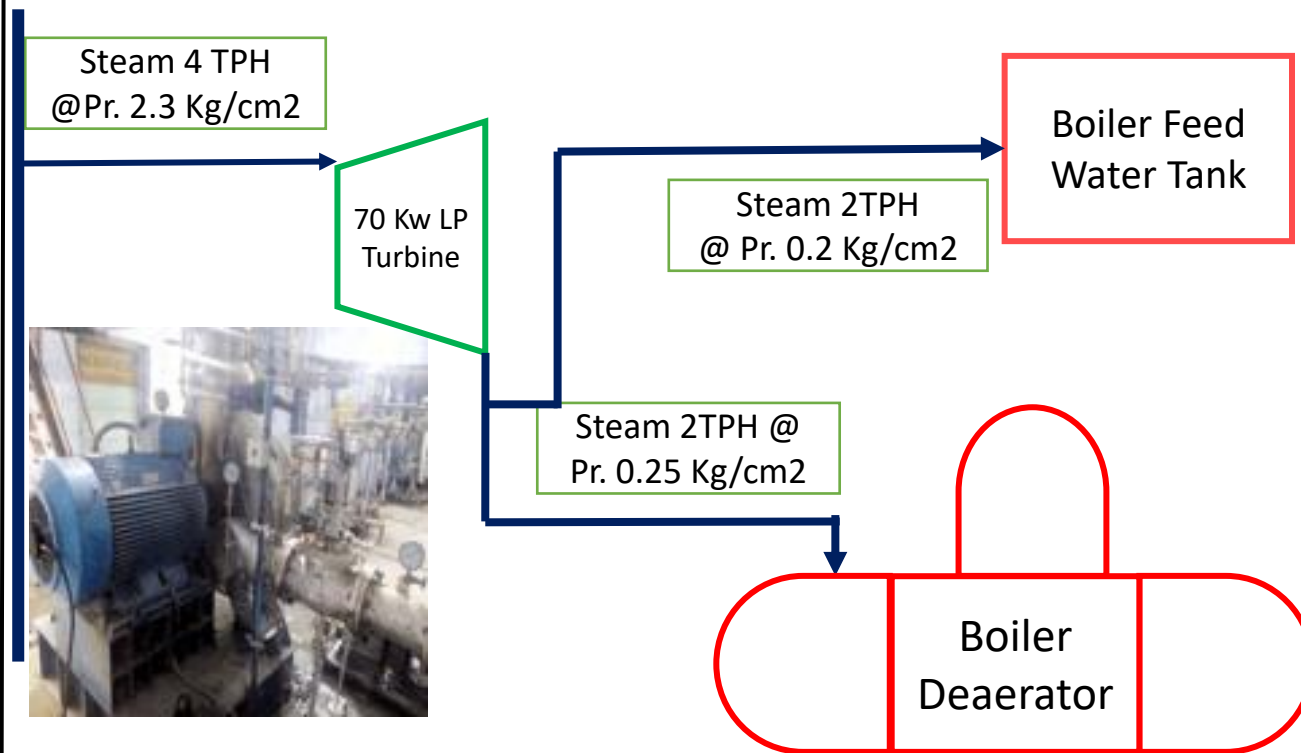
## BEFORE

- 2 TPH Steam Throttling from 2.3 to 0.2 Kg/cm<sup>2</sup> for Boiler Feed water heating from 35°C to 80°C in Feed water Tank by Valve Throttling
- 2 TPH Steam pressure reduction from 2.3 to 0.25 Kg/cm<sup>2</sup> for Boiler feed water heating from 80°C to 105 °C in Deaerator through PRDs



## AFTER

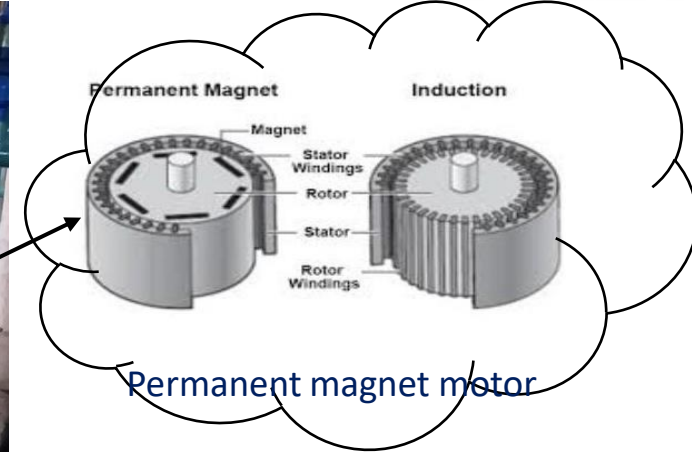
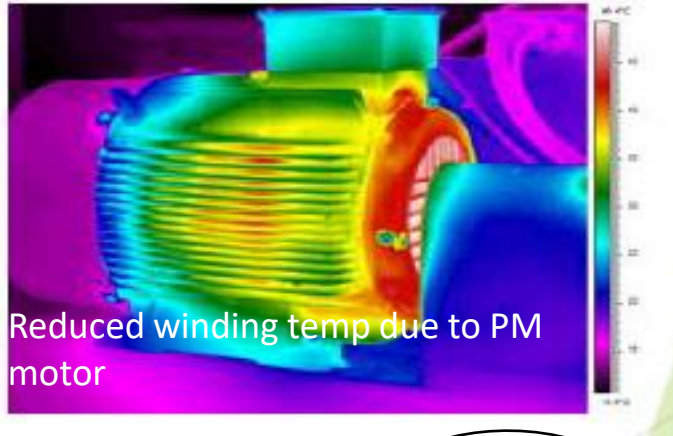
- Installation of 70 kW LP Turbine reducing 4TPH Steam pressure from 2.3 to 0.25 Kg/cm<sup>2</sup> & supplying to Feed water Tank & Deaerator tank. Simultaneously producing avg. 60 kw power.



Total Investment (Rs. lakhs)	38	Realisation (Rs. lakhs) @ Rs. 7.5/ Kwh	33.37
Actual Saving (Lakh Kwh/year)	4.45	Pay Back period (months)	14



# Installation Of IPM Motor Operated Screw Air Compressor (Aug. 2019)



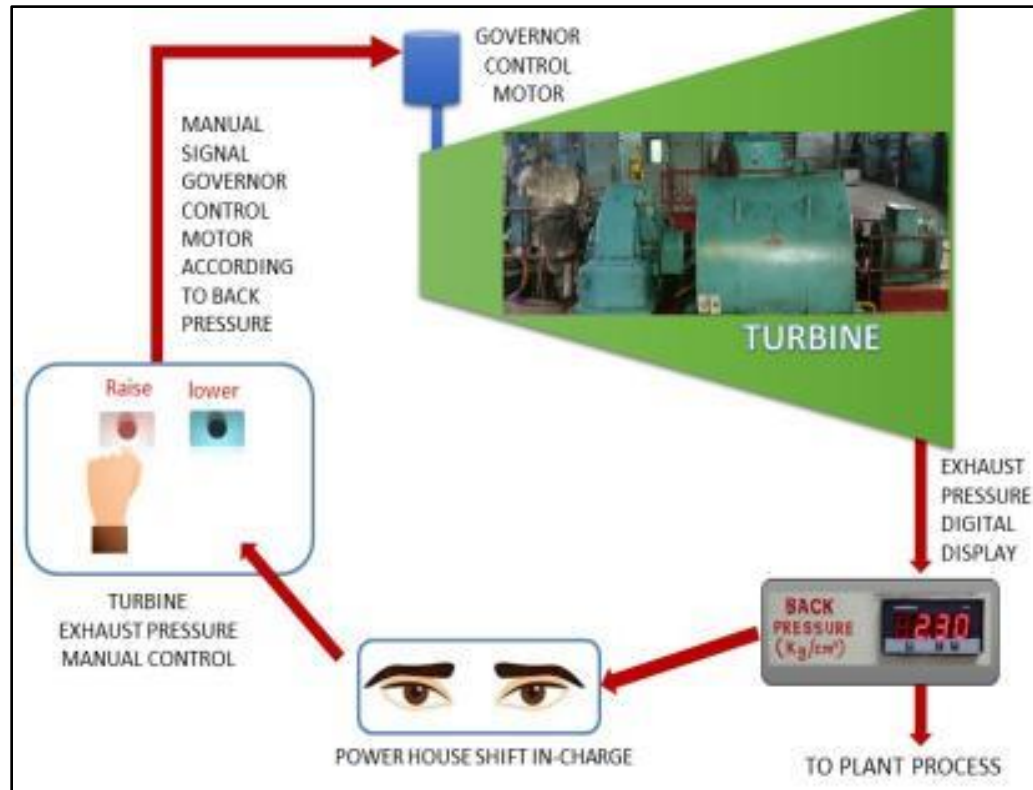
Acoustic Enclosure to reduce noise to 65 Db

Sr. No.	Screw Air Compressor Model	Capacity in CFM	Installation Year
1	TSC- 30PMV	125	Aug. 2019
2	TSC- 30PMV	125	July 2021
3	TSC- 50PMV	240	Nov.2022
4	TSC- 50PMV	243	Oct. 2019
5	TSC- 50PMV	230	Sept. 2022
6	IF-150PMT	800	Nov.2022
7	TSC- 50PMV	250	Dec. 2019
8	TSC- 40PMV	120	Feb. 2020

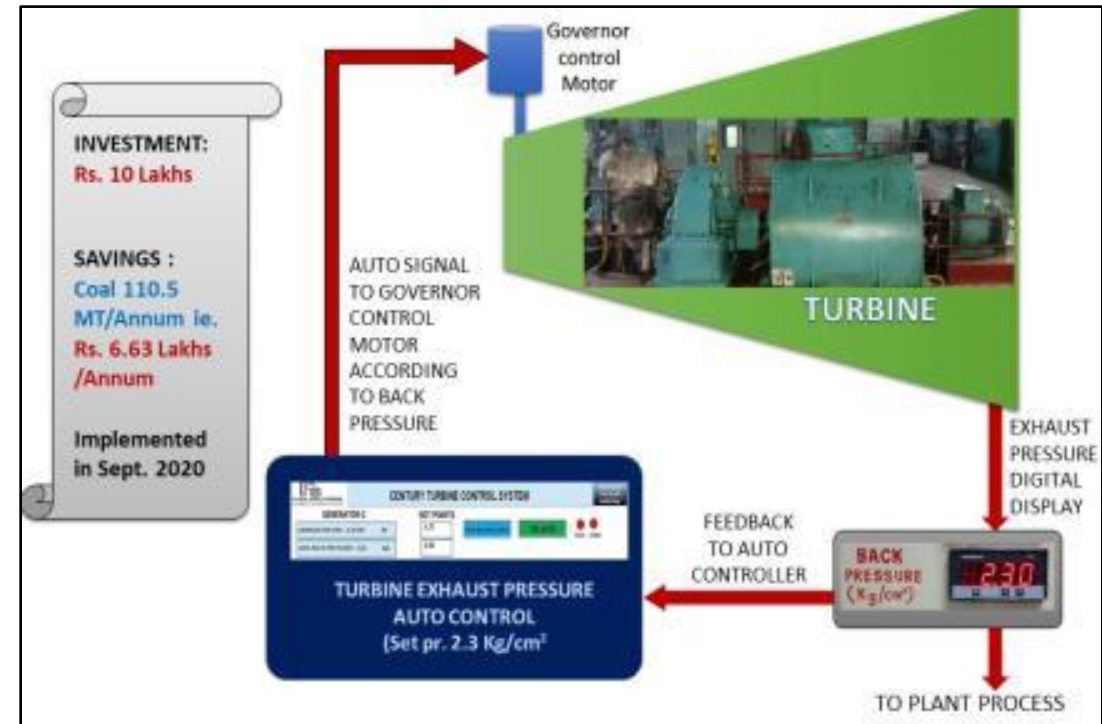
Investment	Rs 6.5 Lakhs
Saving	36000 kWh/Annum
Saving	Rs 2.0 Lacs/Annum



### Turbine Back Pressure Manual control system



### Turbine Back Pressure Auto Control System



**Advantages. :-**

1. Better process Control (Back pressure can be set in range of 0.01 kg/CM2)
2. Increased Power Generation due to low Back pressure.
3. Reduction in coal consumption.

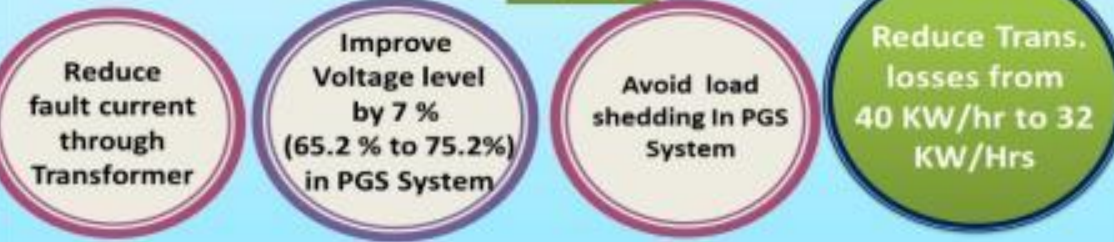
Need of Hrs.

- 55 YEARS OLD
- HEAVY OIL SPILLAGE
- HISTORY OF FAILURE
- HUGH COST IMPACT IN PGS SYSTEM OF FAILURE

Review Design



Impact



INVESTMENT:

Rs. 48 Lakhs

SAVING:

- 1) Electrical 70080 KWH/Ann
- 2) Financial Rs. 4.9 Lakhs. /Annum.

Implemented in May2020

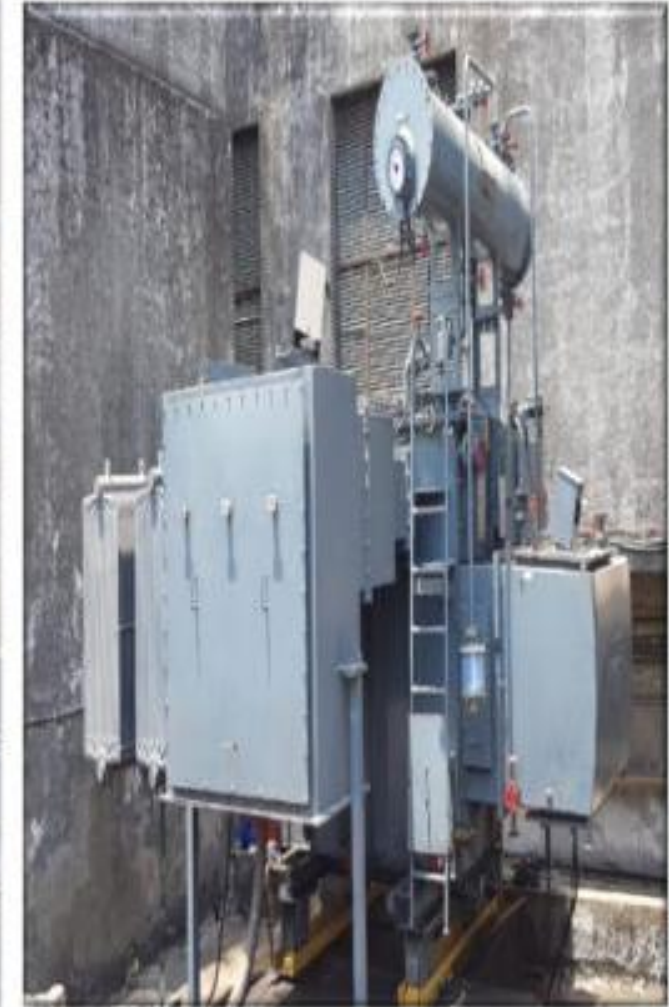
Advantage:-

1. Reduction In Voltage Fluctuation.
- 2.Reduction in Critical Equipment Tripping during grid Fluctuations.
- 3.Improved Energy Efficiency.

Old



New





Before Modification (Brush Type Cleaning System in Condenser & Evaporator)



After Modification (Ball Cleaning System in Condenser & Evaporator)



Parameter	Unit	Qty.
Reduction in Condenser Approach	Deg. Cent.	3
Investment	Rs. Lakhs	18
Electrical Saving	KWh/Annum	195336
Financial saving	Rs. Lakhs/Annum	11.52
Pay Back	Years	1.6



INSTALLATION OF MSFE AT RAYON PLANT

Single stage evaporators

Single stage & Double Stage Effect evaporators, where the steam is used for direct heating in one ,Two effect only. And the feed flow in a linear way passes

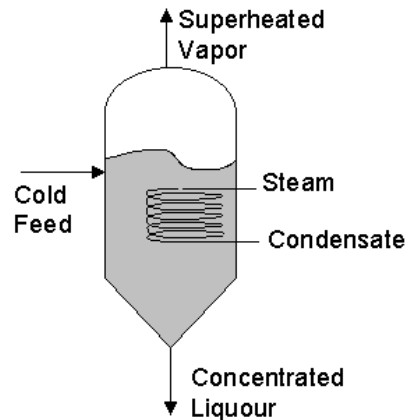
Multistage evaporators

The basic fundamental of the multi staging is utilization of the vapours generated in preceding effect heat exchanger or Calandria under negative pressure (vacuum) condition and lowering the boiling point of the feed in the subsequent stages. More the number of effects, lesser is the steam consumption. This helps economize the utility consumption

11 Stage MSFE at Rayon Plant commissioned in May 2021. Evaporator, Heat Exchangers condensers, pumps, tanks, cooling Tower are the main parts of MSFE. **Approximately 70 tons/Day of LP steam is saved by installation of one MSFE. With investment of Ps. 9.35 Crores.**

Before Project

01 kg steam will Evaporate 1.2 &1.6 kg of water from feed.



Single Stage Evaporators



After Project

Multistage Evaporators

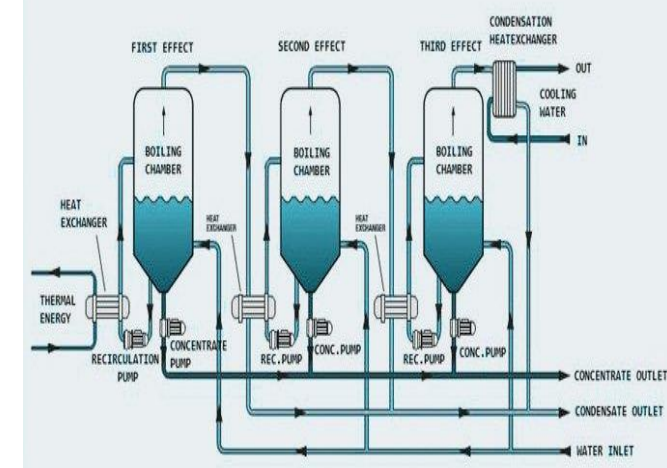


Investment Rs.9.35 Cr.

Steam Saving 70 TPD

Saving Coal 4335 & CO2 Emission 9538 MT/Annum

01 kg steam will Evaporate 3.5 kg of water from feed.



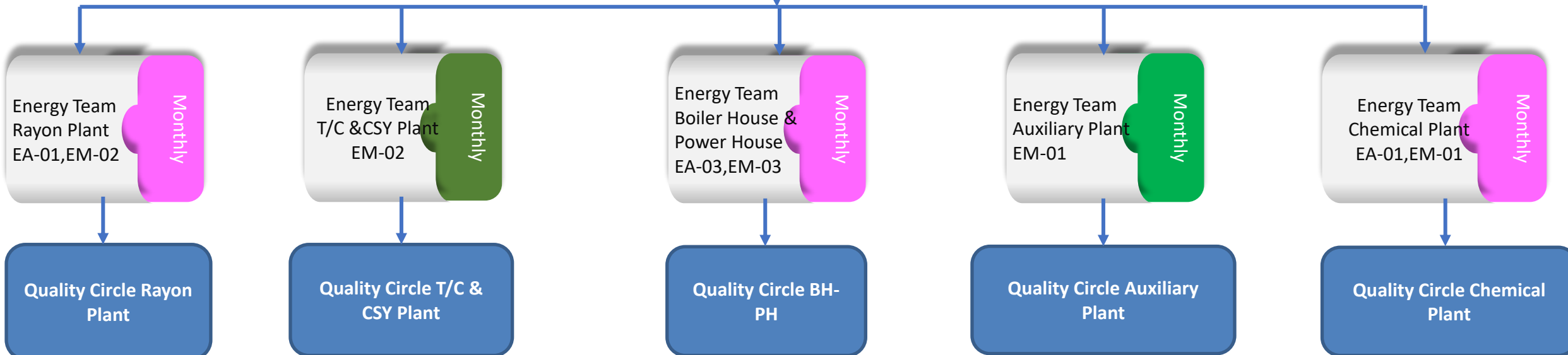


**BEE Certified Energy Auditors - 05 Nos. and Mangers -09 Nos.**

Review By CEO **Quarterly Review**

APEX Energy Committee Chaired by Plant Head & Sr.GM (BH,PH & Inst.) **Monthly Review**

**ISO 5001:2018 Certified Internal Auditor 19 Nos.**





- Implementation of 50001:2018 (MRM)
- Achievement of Targets
- Reduction in GHG Emissions
- Reduction in SEC

ACT

- Energy Policy
  - Mission Targets
  - Sustainability Targets
  - GHG Emissions and Carbon footprint reduction targets
- EnMS 50001 :2018 Objective and Target  
Energy Audits recommendations

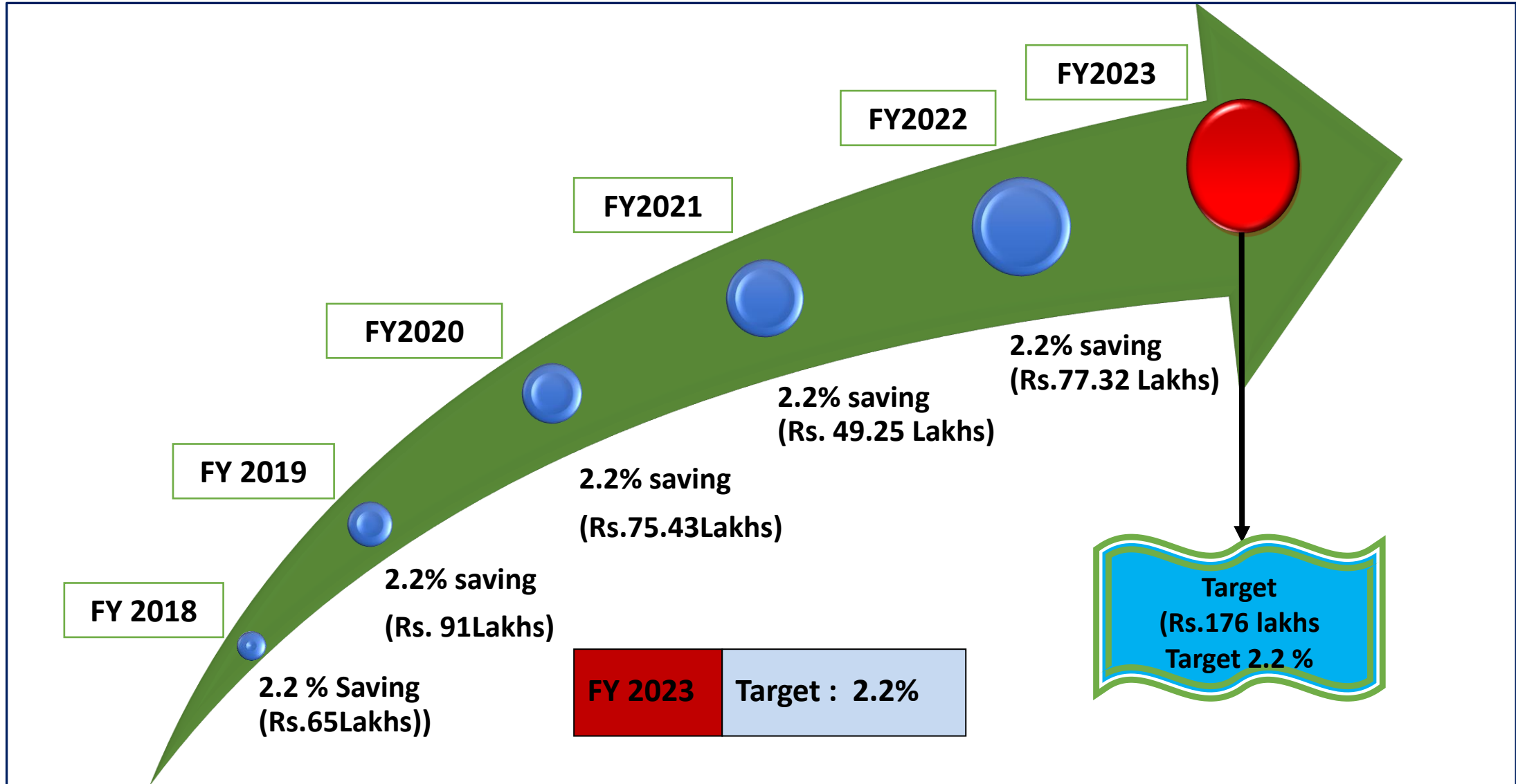
PLAN

- Internal Audits
- External Audits
- Monthly Business revive Committee Meeting (BRC)

CHECK

- Implementations of EC Schemes
- Implementations of 50001 :2018
- Implementations of Suggestions & QIO
- Training & Awareness

DO





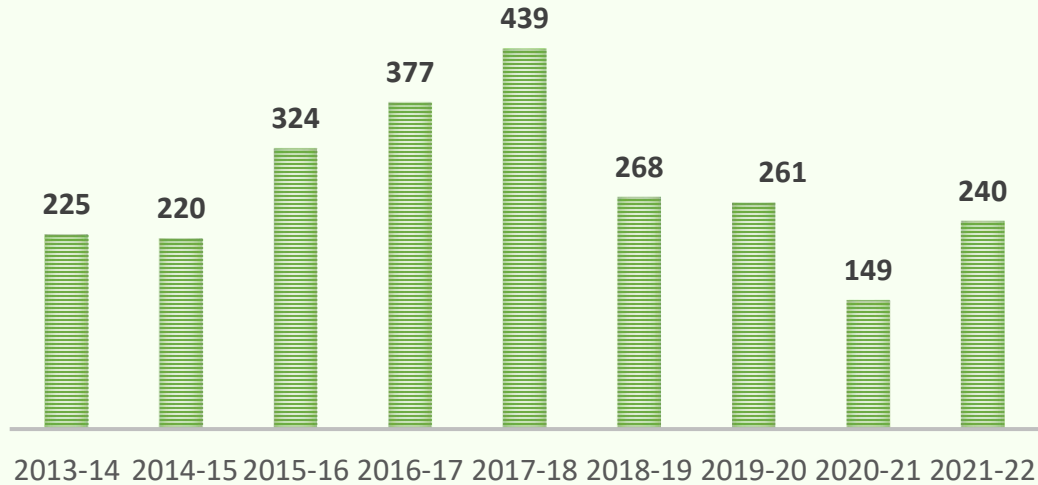


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Identification		Tracking					
		ENTITY ^	APPROVAL	CAMPAIGN	REPORTING PERIOD	QUESTIONNAIRE	% DONE
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	ENERGY-Electrical Energy Balance	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	EN15-GHG Inventory-BRC-Scope 1	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	EN16-GHG Inventory-BRC-Scope-2	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	GHG-BRC-Total Computed GHG Inventory	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	EN5-BRC - ENERGY, WATER, WASTE Intensities	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	EN3-ENERGY-BRC-Non Renewable-Plant Level	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	EN3-ENERGY-BRC-Renewable-Plant Level	<b>100%</b>
<input type="checkbox"/>		...		BRC data - October 2022	FY23 October	ENERGY-BRC-Total Energy Consumption- Plant Level	<b>100%</b>

### INDUSTRIAL WASTE USED AS FUEL IN MT

Industrial Waste used as Fuel in MT



Currently about **0.20 %** of our total coal energy requirement is being met through fuel from waste

### Renewable Energy Projects



42 KW Solar PV Power Plant Project Implemented In March 2022 With Investment of Rs. 18 lakhs. With Generation of 61200 Kwh Per Annum.

### Renewable Power Schemes for 2022-23

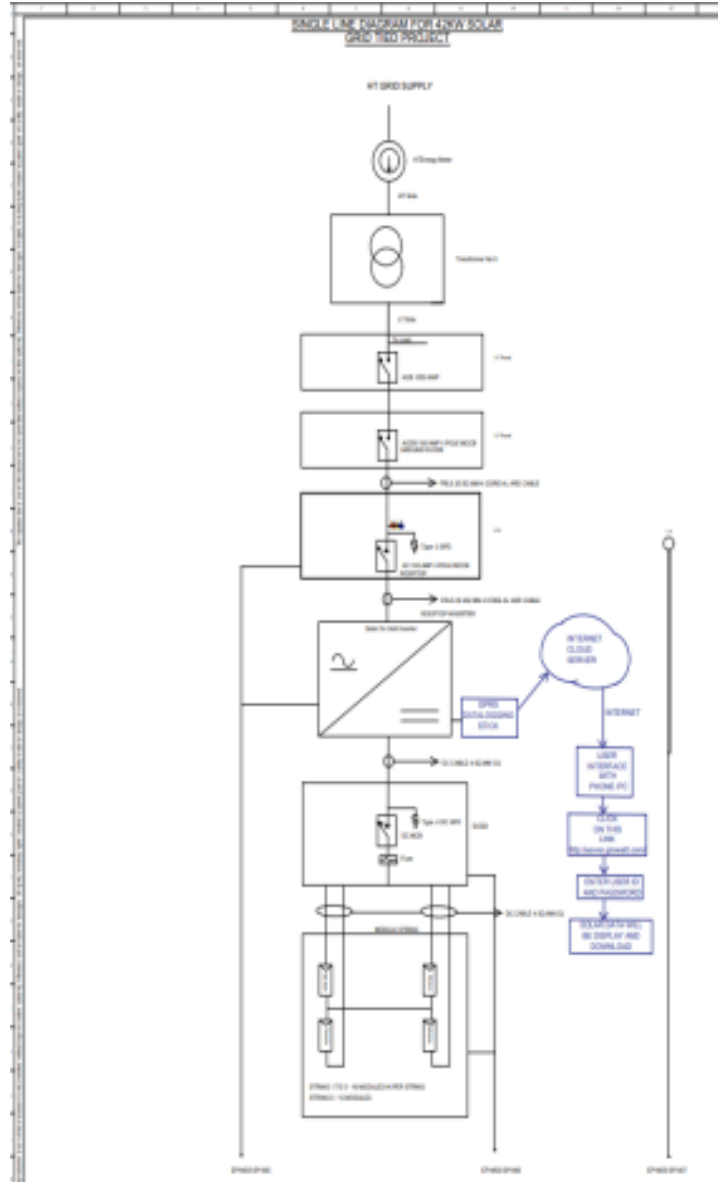
Sr. No.	Number of Energy Conservation Scheme	Saving /Annum KWH	Gross Annual Saving (Rs.Lakhs)	Invest. (Rs. lakhs)	Estimated GHG Reduction MT/Annum	Gross Payback Period (Years)	Status
1	Installation of Roof Top 50 KW Solar PV Power Plant at Vishram Bhawna.	62700	10.1	40	51.41	3.9	Under negotiation. Project Completion Target March 2023



# Installation of Roof Top Solar PV Power Plant (42 KW)



**IP65 Inverter with Communication port for online monitoring and daily report**

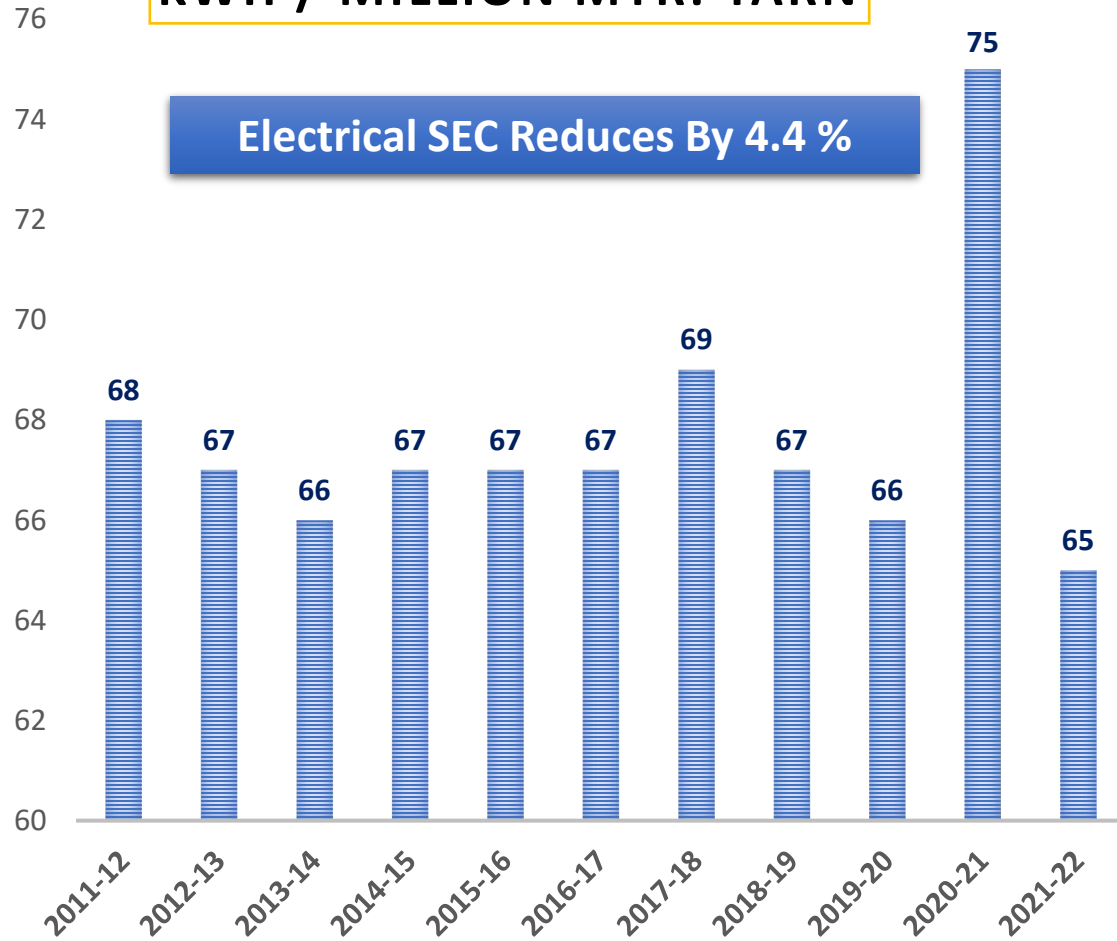


Tech. Description	
MSS roof top area utilized for Solar Pv plant:	294 Sq. Mtr.
Capacity of Solar Pv plant:	42 KWp
Avg. Generation per day :	180 KWH / Day
Estimated Generation per year :	180*340 Days = 61200 KWH / year

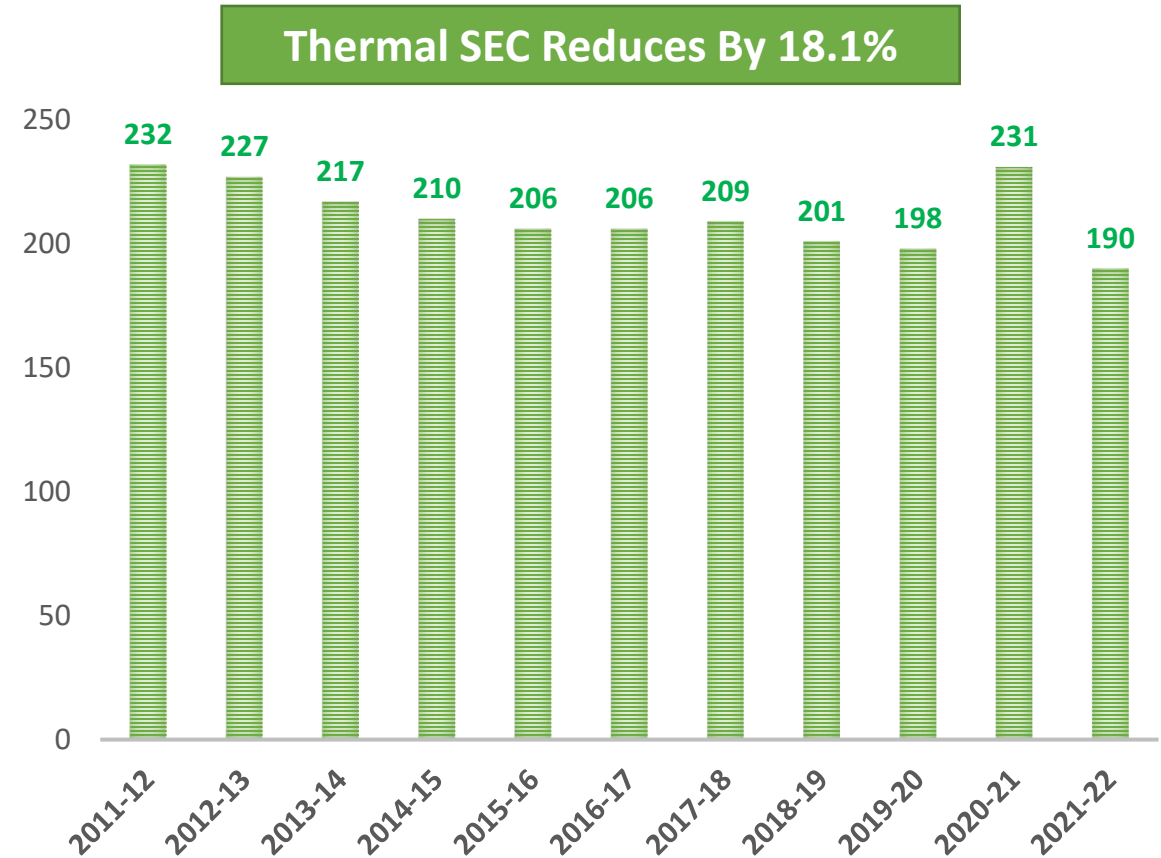




## PSY POWER CONSUMPTION KWH / MILLION MTR. YARN



## PSY STEAM CONSUMPTION KG/MILLION MTR. YARN







Year	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23 (Proposed)
CO <sub>2</sub> Emission Reduction In Tones through Encon Projects	1624	1339	2503	1096	4853	2311	5258	1668	1091	1102	949	1032	2160

### Summary of Energy Conservation Schemes Under Implementation in Year 2022-23

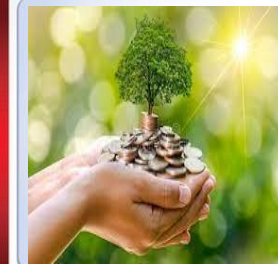
Sr. No.	Number of Energy Conservation Scheme	Annual Electrical Saving (kWh)	Total Annual Savings (Rs.Lacs.)	Investment (Rs. Lacs )	Pay Back Gross in Years	TOE Saving	Reduction in GHG Emission MT/Annum
1	06 Nos. Completed	572784	34.93	89.1	2.6	49.19	469
2	14 Nos. Under progress	2067920	138.68	405.42	2.92	168.4	1603
	<b>Total</b>	<b>2640704</b>	<b>173.61</b>	<b>494.52</b>	<b>2.8</b>	<b>217.59</b>	<b>2072</b>



Electrical Saving  
26.40 Lakhs KWh



Saving  
Rs.173.61 Lakhs



Investment Rs.495 Lakhs

Name of the Agency	Month/Year	Area
Eco Energy Solutions- Ahmadabad	Dec. 2021	Mandatory Energy Audit
Eco Energy Solutions- Ahmadabad	2018	Mandatory Energy Audit
Eco Energy Solutions- Ahmadabad	June 2019	PAT monitoring And verification Audit
Fichtner Consulting Engineers (India)Pvt. Ltd.	April 2019	Cogen Power Plant Audit
ABG Group Corporate Energy Cell	September 2018	Total Plant
TUV India Pvt. Ltd.	August 2018	Mandatory Energy Audit
Apogee Process controls Consulting	March 2017	Total Plant Instruments Audit
Venus Energy Audit System	April 2016	AFBC Boiler Performance Study
TUV India Pvt. Ltd	March 2015	Complete Plant

### Special Energy Audit by Sector Experts Under Execution in 2022

Sr. No.	Utility	Auditing Firm	Status
1	Water Audit	TUV India Pvt. Ltd.	Field Study completed
2	Thermal Energy Audit	Forbes Marshall Pvt. Ltd.	Field Study completed
3	Electrical Energy Audit	SAS Power Tech Pvt. Ltd. Pune	Field Study Under progress.





## PROPOSAL FOR SUPPLY OF STEAM ON BOOT BASIS



Exploring opportunity to Install Bio mass Boiler with capacity 60 TPH

- 1) Replacement of 74322 MT of Coal with Bio Mass Fuel.
- 2) Expected 1,28,000 MT of Co2 Emission Reduction per Annum.
- 3) Reduction in Almost 40% of Total CO2 EMISSION

Kind Attn.: - Rajdeep Hegde	Site Location: - Shahad, Kalyan, Dist. Thane, MH	Submission Date: - 02-11-2022	Proposal No. GIL/02112022/BT/10 R00
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**PROPOSAL SUBMITTED TO: -**  
**GRASIM INDUSTRIES LIMITED**  
**ADD.: SHAHAD TQ. KALYAN, DIST THANE MAHARASHTRA**



# CENTURY RAYON

*Celebrates*

# NATIONAL ENERGY CONSERVATION WEEK



13th Dec 2021 to 18th Dec 2021



DAY	DATE	PROGRAM		
1	13 <sup>th</sup> Dec.	<ul style="list-style-type: none"> <li>❖ Opening Ceremony</li> <li>❖ Onstage Quiz for Staff</li> </ul>	CARTOON COMPETITION	On A4 size paper in big and clean letters
2	14 <sup>th</sup> Dec	<ul style="list-style-type: none"> <li>❖ Non -Technical On Line Quiz for Staff</li> <li>❖ Training on Energy Conservation Topic for workmen.</li> <li>❖ EnMS ISO 50001:2018 Awareness training By Eco Energy Solution for staff.</li> </ul>	POSTER COMPETITION	700 X 500 mm sheet (sheets can be collected from department coordinators.)
3	15 <sup>th</sup> Dec.	<ul style="list-style-type: none"> <li>❖ Training on Energy Conservation Topic for workmen.</li> <li>❖ Training on Energy Conservation Topic for Staff.</li> </ul>	SLOGAN COMPETITION	On A4 size paper in big and clean letters in English, Hindi & Marathi
4	16 <sup>th</sup> Dec.	<ul style="list-style-type: none"> <li>❖ Quiz for workmen</li> <li>❖ Technical On Line Quiz for Staff</li> </ul>	POEM COMPETITION	On A4 size paper in big and clean letters in English, Hindi & Marathi
5	17 <sup>th</sup> Dec.	<ul style="list-style-type: none"> <li>❖ Energy Conservation Presentation Competition</li> </ul>	CROSS WORD	English crossword for staff and Hindi cross word for workmen
6	18 <sup>th</sup> Dec.	<ul style="list-style-type: none"> <li>❖ Concluding Ceremony</li> <li>❖ Prize Declaration</li> </ul>	ONLINE QUIZ FOR STAFF TECHNICAL & NON-TECHNICAL	Dt. 14.12.2021 at 11.00 to 11:20 Hrs. & Dt. 16.12.2021 at 15:30 to 15:50 respectively.
			QUIZ COMPETITION FOR WORKMEN	Dt. 16.12.2021 at 14.00 hrs. in Rayon TQM Hall
			RED TAG IDENTIFICATION	13th to 17th Dec 2021





Inauguration With Lighting of lamp



On Stage Quiz Competition



EC Awareness Training to Workmen

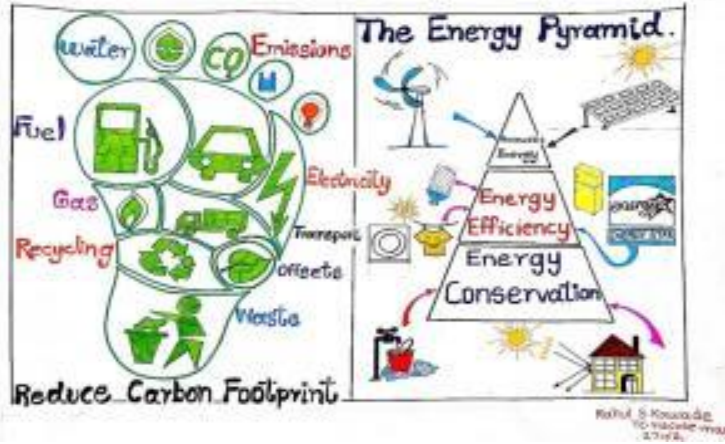


EC Awareness Training to Staff

**Employees participation in various Competition**

Sr. No.	Competition	Total
1	Red Tag Participation	504
2	Slogan Hindi	423
3	Slogan Marathi	161
4	Slogan English	585
5	Poster	81
6	Cartoon	72
7	Crossword Hindi	1598
8	Crossword English	202
9	Poem Hindi	56
10	Poem Marathi	36
11	Poem English	37
12	Online quiz Competition for Staff (Technical)	97
13	Online quiz Competition for Staff (Non-Technical)	32
14	Quiz Competition for workmen	657
15	Presentation competition	14
16	Energy saving Scheme	9
17	Training on Resource Conservation on GVC	62
	<b>Total</b>	<b>4626</b>





Poster Competition 1<sup>st</sup> Prize



Cartoon Competition 1<sup>st</sup> Prize

वायु और जल प्रकृति के वरदान  
बिजली बनाकर करें इनका सम्मान

Slogan Competition 1<sup>st</sup> Prize



Prize Distribution



Prize Distribution



Maximum Participation Trophy Won by Rayon Plant



**Drawing & poster Competition at Century Rayon High School Shahad**

**Drawing & poster Competition at B.K. Birla Public School Kalyan**



Awareness creation in the employees & their involvement in loss reduction / Training program



# **Awards & Recognitions**

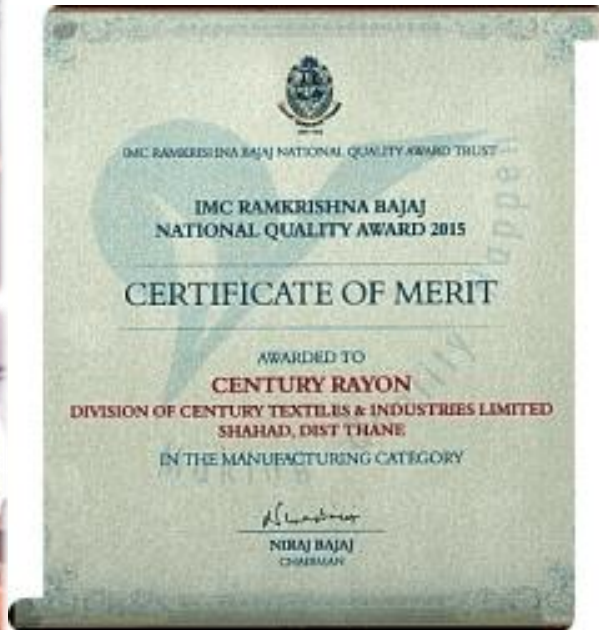
The background of the slide is a festive celebration. It features a large, glowing golden trophy cup in the center-right, surrounded by a striped party hat and colorful streamers. The background is filled with falling confetti and a bright light flare in the upper right corner. The overall color palette is warm, with gold, red, and orange tones.



## IMC RBNQC AWARD 2016



1<sup>st</sup> in “Making Quality Happen – Best Practices” in manufacturing category organized by IMC RBNQC in 2016.



Prestigious IMC RBNQC  
CERTIFICATE OF MERIT 2016  
in the Manufacturing Category

## NAMC 2018 – 19 RECOGNITION AWARD



Rayon (PSY) Plant has earned the **“Gold Medal”** for participation in the **National Awards for Manufacturing Competitiveness (NAMC) 2018-19** Flagship program organized by **International Research Institute For Manufacturing.**



Year	Awards		Agency
2018-19	Certificate of Merit	State level Award for Excellence in Energy conservation and Management( Textile Sector)	Maharashtra Energy Development Agency (MEDA)
2017-18	Second Prize in 13 <sup>TH</sup>		
2016-17	Second Prize in 12 <sup>TH</sup>		
2017	Energy Efficient Unit -2017		CII
2016	Energy Efficient Unit -2016		CII
2015-16	Award for Appreciation of the achievement in Energy conservation and Management in the Textile Sector		MEDA
2015	Award for Excellent Energy efficient Unit		CII
2013	ICC Award for Excellence in Energy conservation & Management		ICC
2013	9th State Level Award in “Excellence in Energy Conservation and Management” 1st Prize in Textile Sector		MEDA
2012	8th State Level Award in “Excellence in Energy Conservation and Management” 1st Prize in Textile Sector		MEDA
2010	7th State Level Award in “Excellence in Energy Conservation and Management” 1st Prize in Textile Sector		MEDA
2005,2006	National Award for “Energy Efficient Unit” in Energy Conservation		CII
2004	State Level Award in “Excellence in Energy Conservation and Management” 1st Prize in Textile Sector		MEDA
2004	National Award for “Energy Efficient Unit” in Energy Conservation		CII
2000	National Award for Excellence in Energy Conservation		CII
1999 & 2000	National Energy Conservation Award, Certificate of Merit in Textile Sector		Ministry of Power, Govt. of New Delhi.
1998	National Energy Conservation Awards- 2 <sup>nd</sup> Prize in Textile Sector		



IRMA: The International Research Institute for Manufacturing, Mumbai is a professional body involved in supporting the manufacturing Industry in various parts of the world through Research, Consulting and Training services and organizing National Award Flagship program every year.

**Century Rayon** has been selected for **“Gold Award”** by **India Green Manufacturing Challenge (IGMC) 2019 – for Excellence in Sustainability**

Onsite assessment conducted on 21<sup>st</sup> & 22<sup>nd</sup> Nov 2019







**Thank You!**