



CII- 25th National Award

for Excellence in

Energy Management 2024





Presentation By

Mr. M.M. Bhandarkar

Senior Vice President, Production

Mr. Ajit Patil

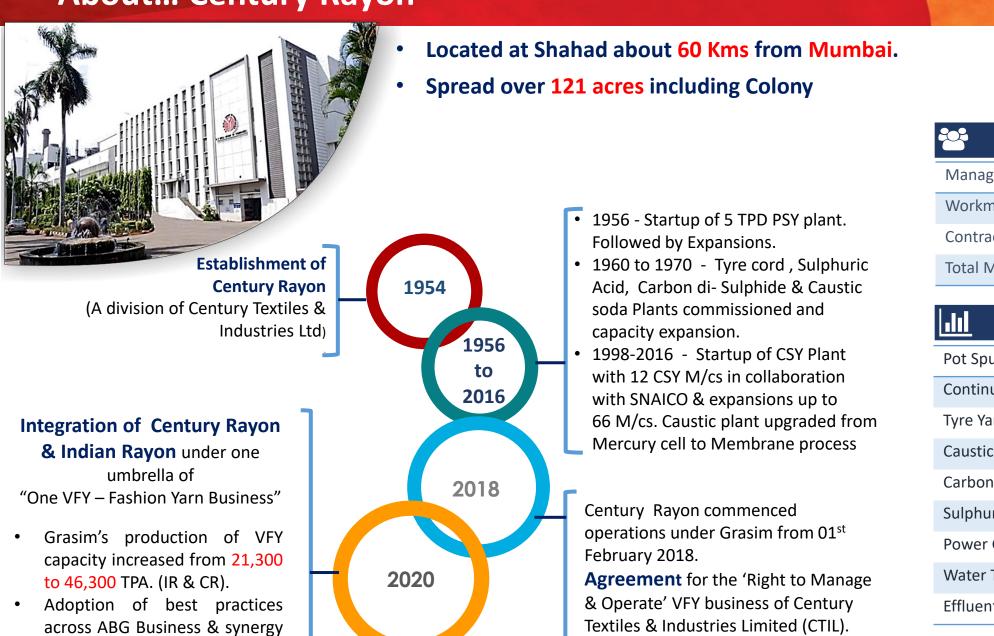
Assistant Vice President, BH, PH & Inst.

Mr. Keshav Rajegore Designated Energy Manager

About... Century Rayon

of operations between IR & CR.





Manpower	
Management & Staff	442
Workmen	3953
Contractual Workmen	1659
Total Manpower	6054

Production Capa	city		
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	

VFY Product Portfolio...



Viscose Filament 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.

Textile Yarn - Fashion Yarn

- 1. Superfine –75D & below up to 20D
- 2. Fine Above 75D to 150D
- 3. Coarse Above 150D to 1200D

Technical Yarn

(Tyre Yarn / Industrial Yarn)

1. 1100 Denier to 4400 Denier

Manufacturing Technologies

Pot Spun yarn (PSY)

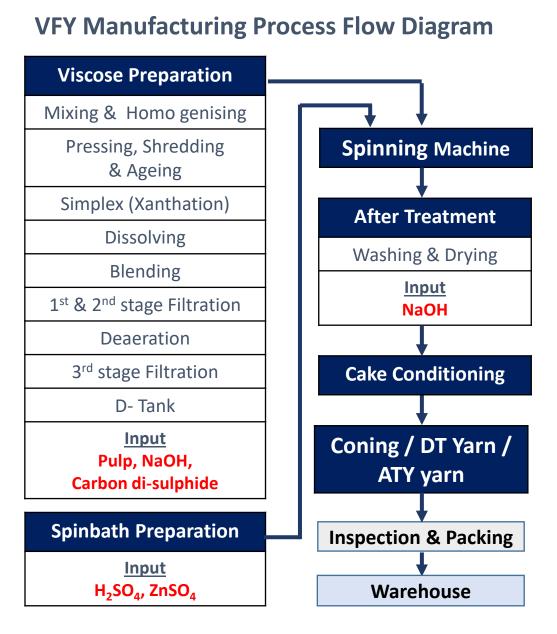
40 Denier to 600 Denier - Zero Shrinkage. Variety : Bright, Dull & Coloured yarns Speciality products : Air texturized, Double twisted yarn, Lycra covered

Continuous Spun yarn (CSY)

20 Denier to 180 Denier – High Shrinkage (About 4%) Variety : Low Glue, High Glue & Super High Glue

Tyre Yarn (TC)

1650 Denier to 2200 DenierTyrecord & Tyrecord FabricHigh Tenacity Rayon Tyre Yarn for high performance Tyres& other speciality applications.

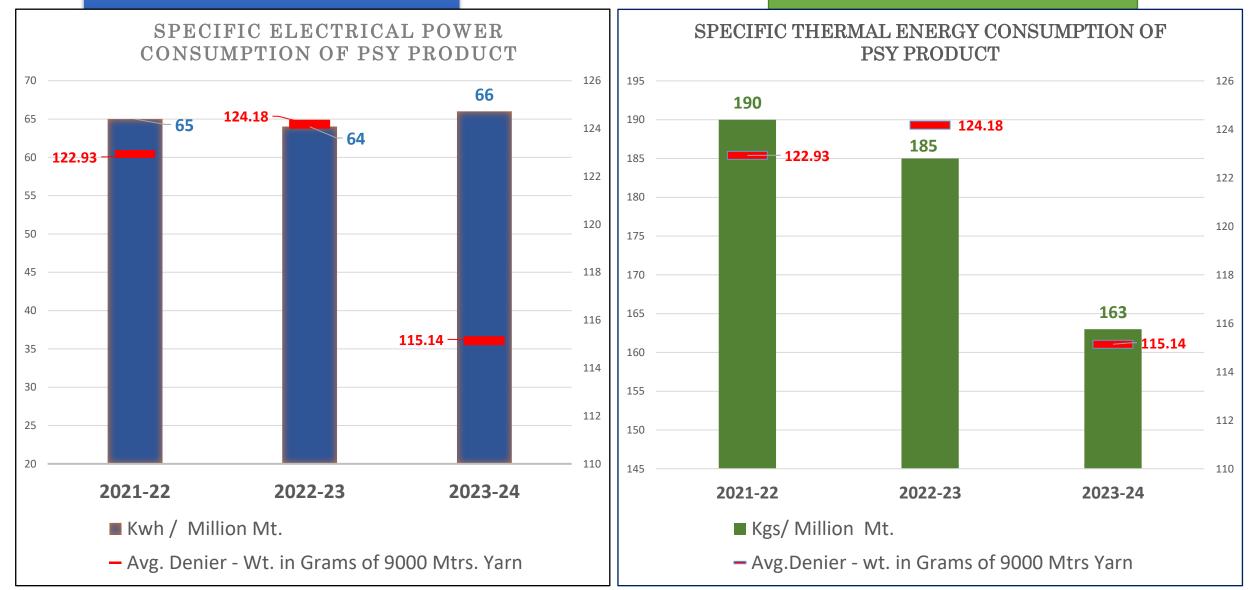






3.1 % Increased w.r.t 2022-23

11.89% Decrease w.r.t 2022-23

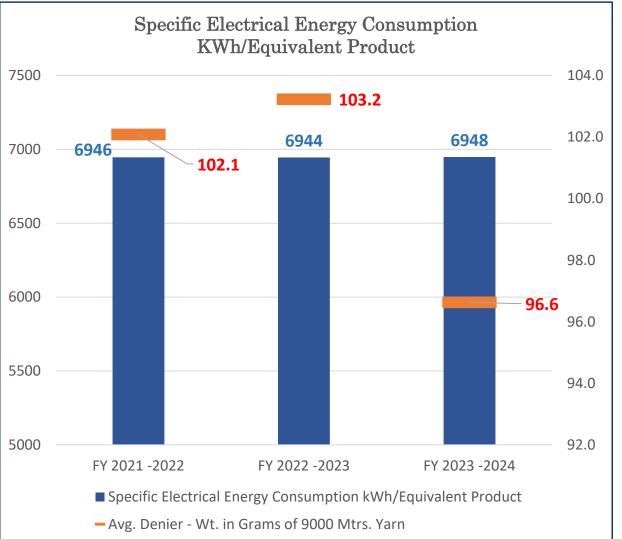


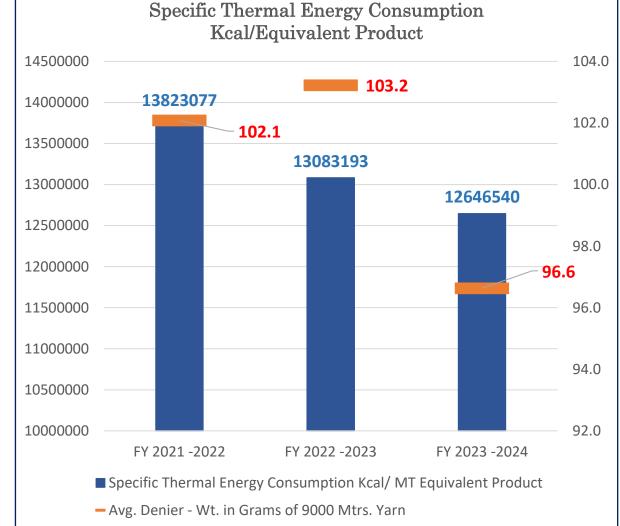




0.05 % Increased w.r.t 2022-23

3.33% Decrease w.r.t 2022-23









Installation of MSFE At Rayon Plant

Single/Double stage evaporators	Multistage evaporators			
Single stage & Double Stage Effect evaporators, where the steam is used for direct heating in single effect, its vapour is heating to second effect in double stage evaporators. The feed flow is forward as well as parallel type.	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			
	Iarch 2023. Evaporator, Heat Exchangers condensers, pumps, tanks, cooling Tower are the P steam is saved by installation of one MSFE. With investment of Rs. 9.35 Crores.			
Before Project 01 kg steam will Evaporate 1.1 kg in single &1.6 in DEE kg of water	After Project Investment Multistage Evaporators Saving 48 Rs.9.35 Cr. Saving 48 TPD (13200 Multistage Evaporators MT/Annum) MT/Annum) MT/Annum) Mt/Annum) 01 kg steam will Evaporate 3.5 kg of water from feed.			
from feed. Superheated Vapor Cold Feed Condensate Concentrated Liquour				



2021-22

2022-23

2023-24

65

64

66

72

71

76

122.93

124.17

115.14

157.19

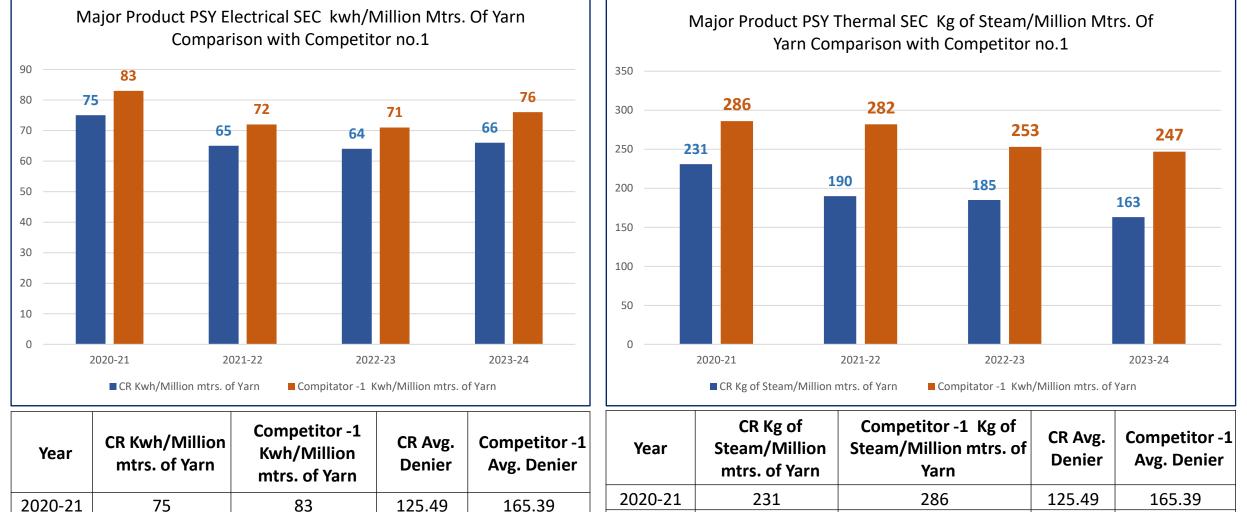
150.82

152.67

VFY FASHION YARN BUSINESS UNIT : CENTURY RAYON, KALYAN



Comparison with Competitor



2021-22

2022-23

2023-24

190

185

163

282

253

247

122.93

124.17

115.14

157.19

150.82

152.67





Energy Saving Projects Under Implementation in 2024-25

Sr. No.	Energy Conservation Scheme	Dept.	Annual Electrical Saving (kWh)	Thermal Energy Saving	Unit of Thermal Energy	Total Annual Savings Lacs Rs.)	Investment (Rs. Lacs)	Pay Back Gross in Years	Status
1	Salt Drying with HP Steam in Tyre Cord Calcination Plant instead of Present Kerosene fire Burner system.	T/C & CSY Plant	0	67.2	KL of Kerosene	23.3	80	3.43	Completed in July 2024.
2	Recovery of locally drain condensate of Washing tank (AT New and old Process)	Rayon Plant - AT dept.	0	302	MT of Coal	47.5	30.1	0.63	Completion Target Feb 2025
3	Upgradation of New AT washing line A pump motors by IE4 efficiency motors.	Rayon Plant - AT dept.	55000	0		4.37	9	2.06	Completion Target Dec. 2024
4	Calcination exhaust blower to be controlled by VFD with closed loop feed back from temperature of the salt.	Rayon Calcination	43000	0		3.41	6	1.76	Completion Target Oct. 2024
5	Potential to Improve Blow down heat recovery system and flash steam recovery of Acid Plant Boiler	Acid Plant	0	124	MT of Coal	18.95	34.2	1.80	Completion Target March 2025
6	Replacement of Cooling tower (1,2 & 5) fan blades by Aerodynamic Design blades.	T/C and CSY	43200	0		3.672	6	1.63	Completion Target March 2025
7	Replacement of 2x36W Conventional Tube light fittings by 1x36W LED in CSY Hall (1000 Nos)	T/C and CSY	245280	0		20.84	20	0.96	Completion Target March 2025
8	Provision of VFD for TC Spinning Air Washer no.1 &2	T/C and CSY	61320	0		5.21	6	1.15	Completion Target March 2025
9	Improvement in conditioning of CSY Hall No.2	T/C and CSY	334632	0		28.44	100	3.52	Air washer no 4 Work Completed. Air Washer no 3 Material received Completion Target Dec. 2024
	Total		782432	426	MT of Coal	155.7	291.3	1.87	
				67	Kl of Kerosene				





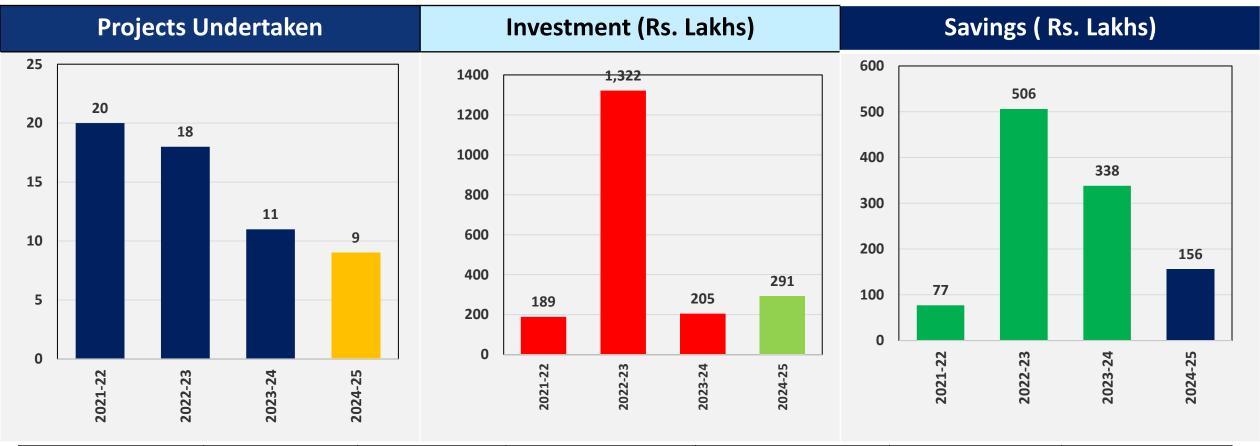
Energy Saving Potential Identified through Energy Audits

Department	Action Plan	Potential Savings (Rs. Lakhs)	Timeline
PSY, T/C –CSY , Auxiliary and BH	Implementation of 13 Nos.Thermal Energy Saving schemes recommended by Forbes Marshall	418.7	March 2026
Tyre Cord and CSY plant	Chiller Plant and Pumping Optimization with efficiency monitoring	89	Dec2026
PSY Plant	Chiller Plant and Pumping Optimization with efficiency monitoring	65	Dec 2027





Energy Conservation Schemes Implemented in Last Three Year



Year	No of Energy Saving Projects	Investment (INR Million)	Electrical Savings (Million Kwh)	Thermal Savings (Million Kcal)	Total Savings (INR Million)	Payback period (in months)
FY 2021-22	20	18.91	1.25	0	7.7	29
FY 2022-23	18	132.2	2.5	9703	50.6	31
FY 2023-24	11	20.5	0.91	8243	33.8	7





Energy Saving Projects Implemented in Year 2023-24

Sr. No.	Name of Energy Saving Projects	Investments (INR Million)	Electrical Savings (Million kWh)	Thermal Savings (Million Kcal)	Total Savings INR Million)	Payback Period (in months)
1	Upgradation of conventional AHU system by energy efficient BLDC motor based system.	1.5	0.05	0	0.45	40
2	Replacement of old inefficient motors above 50HP.	2.6	0.25	0	2.14	15
3	Replacement of Cooling tower fan blades by Aerodynamic Design blades.	0.45	0.03	0	0.28	19
4	Intelligent Air Flow Controller for Compressed air system.	1.35	0.14	0	1.16	14
5	Replacement of 250 Nos. 2x36W Conventional Tube light fittings by 1x36W LED in CSY Hall no.1.	0.5	0.06	0	0.52	12
6	Replacement of 204 Nos.18W Conventional Tube light fittings of CSY M/C module by 10W LED - 6 CSY M/C's.	0.214	0.02	0	0.18	14
7	Replacement Of Old Condenser Water Pump With Energy Efficient Pump And Motor - 2 Nos.(E/R) @365 Days	3	0.14	0	1.18	31
8	Replacement of Conventional Ceiling fans by energy efficient BLDC fans	0.3	0.02	0	0.18	20
9	Reduction of KVAH consumption by controlling & through Management of plant Reactive Power with Installation of closed loop Auto system.	2.3	0.20	0	1.71	16
10	Reduction in steam venting due to Changeover of PSY V Hall power from PGS to Grid Power	0.867	0.00	7526	23.90	0
11	Replacement of old Economizer in Acid Plant (1A & 1B) with higher Heat Transfer Area and Efficiency new Economizer to extract more heat from Gases.	7.371	0.00	718	2.15	41
	Total	20.5	0.91	8243	33.8	7





Sr. No.	Name of Energy Saving Projects Implemented in 2022-23	No. of Projects	Investments (INR Million)	Electrical Savings (Million kWh)	Thermal Savings (Million Kcal)	Total Savings (INR Million)	Payback Period (in months)
1	Replacement of conventional lights by LED lights, conventional ceiling fans by Energy efficient BLDC fans.	6	7.33	0.61	0	4.12	21
2	Improvement in Existing Drives for Energy Efficiency Like VFD, and Belt Drive	3	2.1	0.23	0	1.57	16.1
3	Replacement of old Equipment with New Energy Efficient Equipment's	7	14.3	0.51	735	6.2	27.6
4	Installation and commissioning of MSFE spin bath production.	1	93.5	0	8968	30.36	37
5	Upgradation of TG-1 by Installing New Rotor and Diaphragms for Energy Efficiency-Boiler House	1	15	1.19	0	8.33	22
	Total	18	132.2	2.5	9703	50.6	31
Sr. No.	Name of Energy Saving Projects Implemented in 2021-22	No. of Projects	Investments (INR Million)	Electrical Savings (Million KWh)	Thermal Savings (Million Kcal)	Total Savings INR Million)	Payback Period (in months)
1	Energy Efficiency in HVAC system	6	7.55	0.72	0	4.21	21.5
2	Replacement of conventional lights by LED lights, conventional ceiling fans by Energy efficient BLDC fans.	4	1.40	0.15	0	0.89	18.9
3	Replacement of old Equipment with New Energy Efficient Equipment's	6	7.27	0.28	0	1.79	48.7
4	Use of VFD in Pumping System and Flat Belt in Compressors	3	0.83	0.06	0	0.37	26.9
5	Installation of Roof Ton 12 KW Solar PV plant on Roof ton of Main Sub		1.8	0.06	0	0.48	45.0
	Total	20	18.9	1.25	0	7.7	29





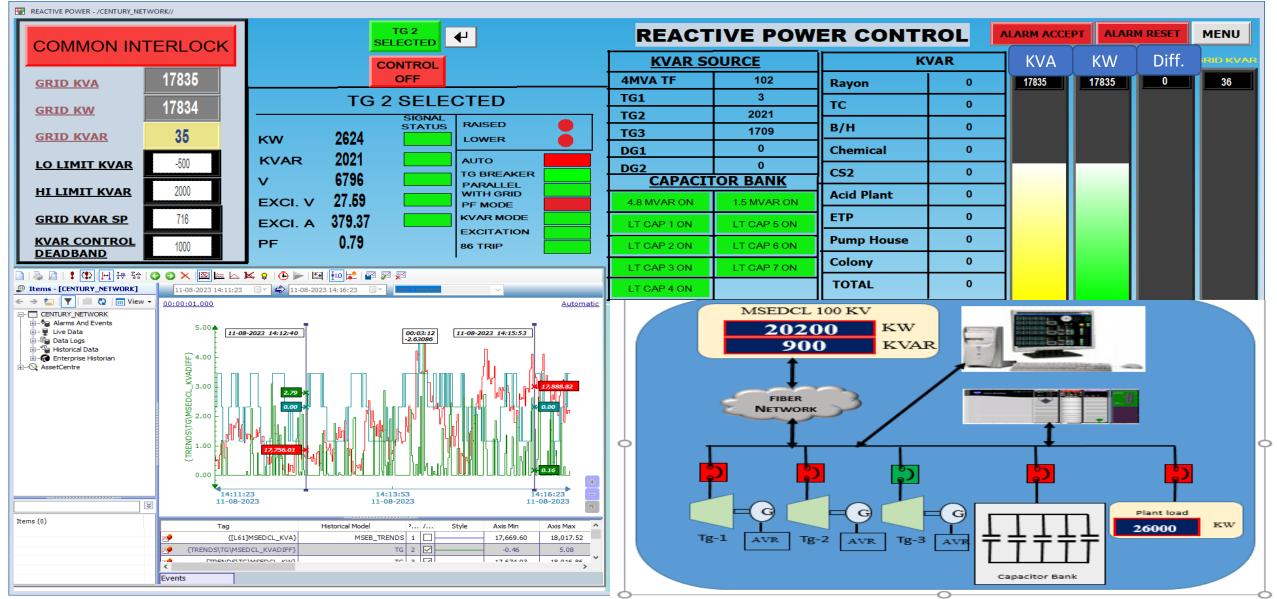
<u>New Technologies/Innovation Employed</u> for Energy Savings

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 Gen4 Electrolyser for Caustic Plant 2018-19	Mist Combo System for AAC 2017-18	Jet Type Fan less Induced Draft Cooling Tower Jan2017	ENERGY EFFICIENT IE4 MOTORS
		USE OF RENEWABLE ENERGY	Y	
	VICTORIES VICTORI VICTORIES VICTORIES VICTORIES VICTORIES VICTORIES VI		e abonterg	
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 Celling Fan 2021	Energy efficient LED LIGHT Installation





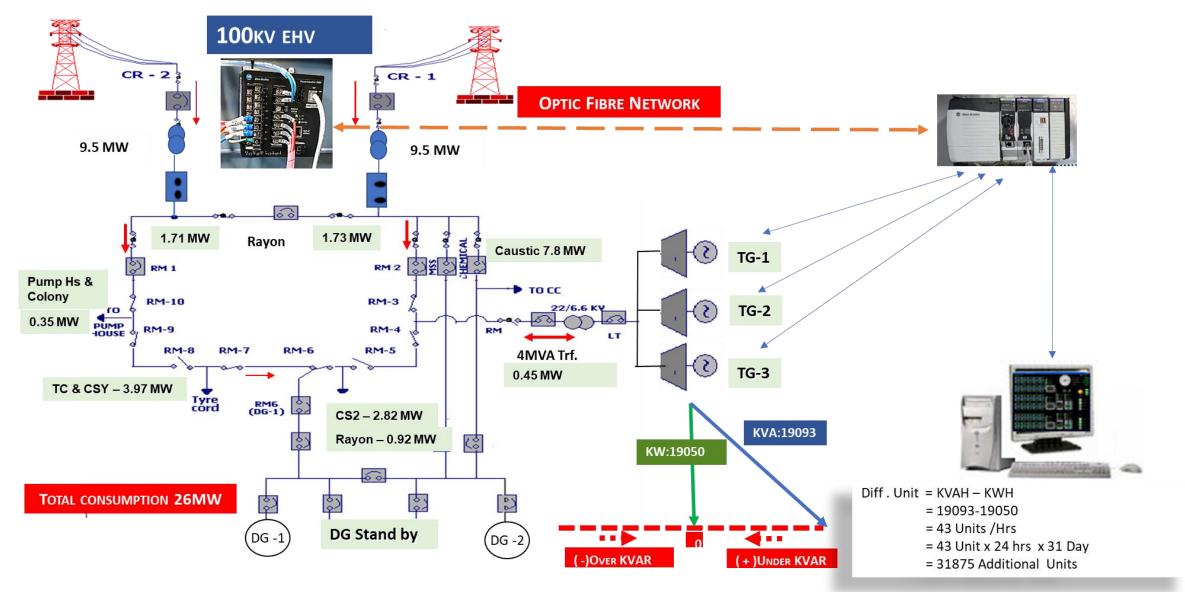
Reduce KVAH Units by Managing Reactive Power





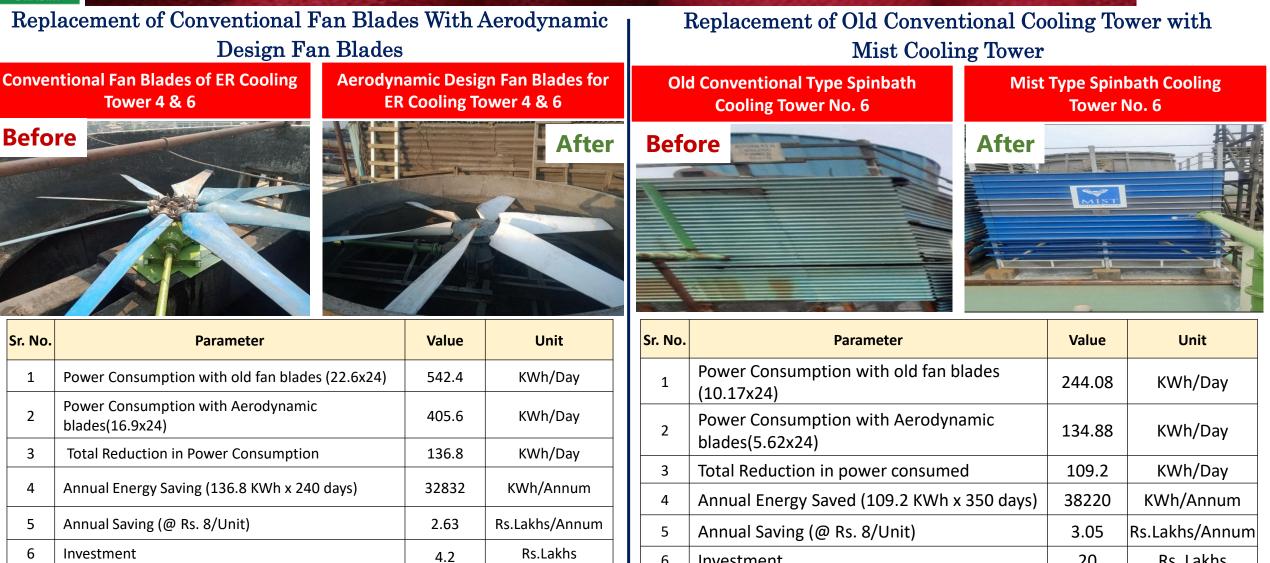


Reduce KVAH Units by Managing Reactive Power









6

7

Investment

Payback Period

In another Six Cooling Tower Estimated Saving 196992 Kwh/Annum Scope

1.6

Years

Payback Period

7

In another Five Cooling Tower Estimated Saving 191100 Kwh/Annum Scope

20

6.6

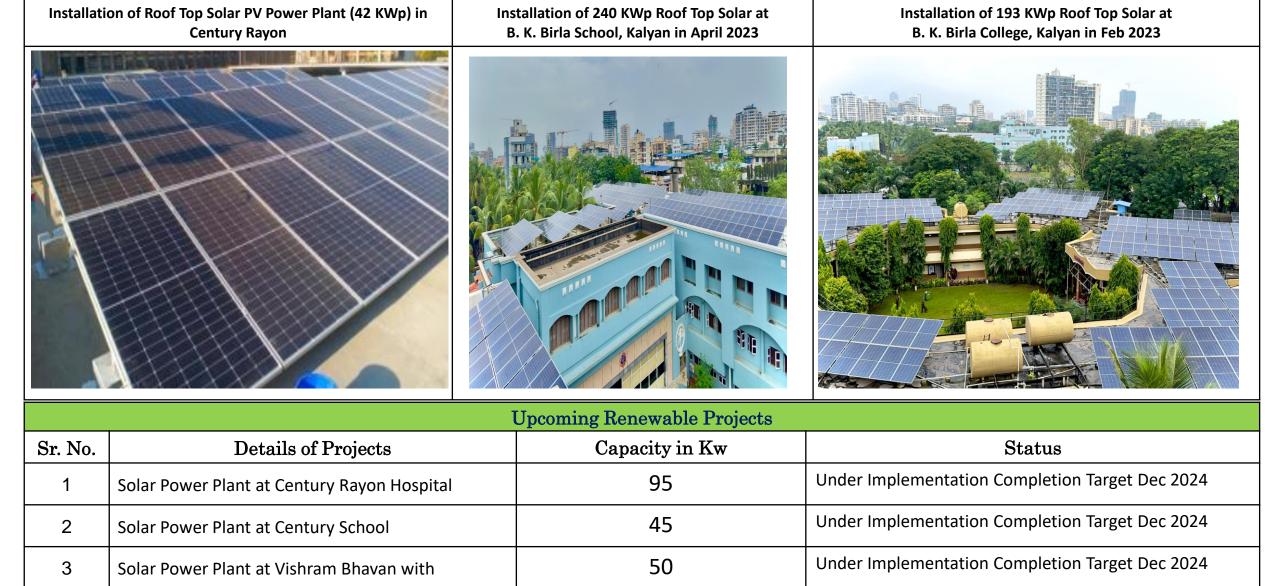
Rs. Lakhs

Years





Installation of Roof Top Solar PV Power Plant in Associated School and College







GHG Emission Monitoring

Parameters	Parameters			FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	
Scope 1 Emission (Direct emissions form Fuel Used		Kg CO2/Equiv	alent Product	7272	6757	6264	6436	
Scope 2 Emission (Indirect Emissions form Grid Electrici	ity)	Kg CO2/Equiv	alent Product	6504	5995	5866	6375	
Scope 3 Emission (Employee Commutating, Business Travels, Purchased Goods)		Kg CO2/Equivalent Product N/A		7708	4937	3804		
Total Emission (Direct emissions form Fuel Used	Total Emission (Direct emissions form Fuel Used			13776	20460	17067	16615	
③ [All] - Input Questionnaires × + · - ← → C ● abgsustainability.com/abgprod/go.aspx?v=/SD/GlobalInput Let ★ ★ ▲ ↓ Let this ↓ ↓ ↓ ↓ ▲ ↓	- 0 ×			6152				
Image: Constraint of the constr	% DONE	Tons			39	54		
Image: Saved Saved Image: Saved	100%	C02 In .	1032				1595	
Apps	100%		1052	1		in in		
Reports Image: Seports	100%		2021-22	2022-23	2023	3-74	2024-25	
WrY (Fashion Yam) Business - Kalyan Unit BRC data - October 2022 FY23 October Renewable-Plant Level	100%			2022-23		,		
WrY (Fashion Yam) Business - Kalyan Unit	100%		Year		2021-22 20	022-23 2023-24	2024-25 (Proposed)	
	100%	CO ₂ Emission Reduction In Tones throug Encon Projects			1032 6	5152 3954	1595	





Supply Chain and Procurement Policy



SUPPLY CHAIN AND PROCUREMENT POLICY

Aditya Birla Group understands the importance of building a sustainable supply chain for the growth and sustenance of businesses. We recognise the importance of developing a strong relationship with suppliers and building their capabilities which will improve the Group's performance. Working with suppliers on improving their process and practices is a priority for the Group and is integral to our commitment towards the Responsible Stewardship of our operations. Further, external factors will affect the suppliers of our raw materials, equipment and components over time and maintaining a robust and viable supply chain is vital to the sustainability of our businesses.

The Aditya Birla Group's goal is to procure sustainable goods and services that represent the best price, quality, delivery and technological offering. Every Aditya Birla Group Company shall therefore endeavour to:

- Ensure compliance to the local, national and international legislation within the supply chain adherence to the ABG Code of Global Business Ethics and Compliance Standards and conformance to the ABG Sustainability Framework requirements by tier one suppliers;
- Create a supply chain that is resilient and viable in presence of risks and opportunities
 potentially arising from the external legal, technical, environmental and societal
 megatrends as part of our business future-proofing programme;
- Build capability within the supply chain and work towards creating best in class supply chain solutions;
- Adhere to the principle of traceability to the origin of goods throughout the supply chain;
- Promote resource conservation, use of alternative materials and renewable energy, water stewardship, safety, health, respect for human rights and elimination of child and forced labour across the supply chain;
- Influence our suppliers to adopt the Aditya Birla Group Sustainability Framework policies and standard and encourage developing an equivalent management systems throughout the supply and value chain; and
- Actively communicate and disclose our approach and achievements to the suppliers.

Each Aditya Birla Group Company shall sign up to this policy or develop an equivalent that shall be implemented throughout our operations.

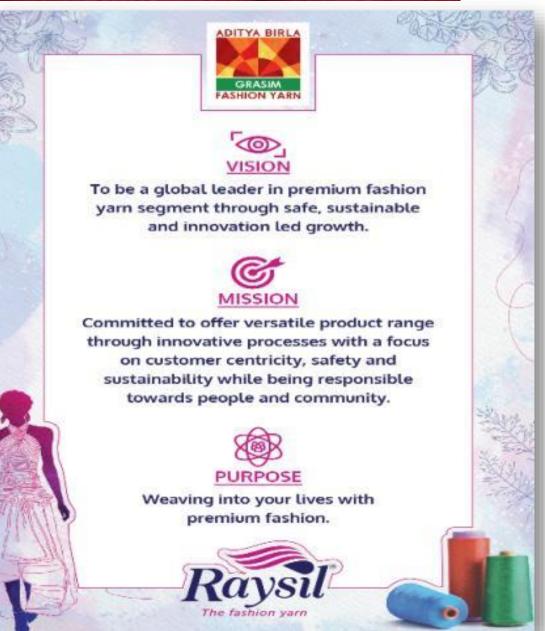
This policy shall be reviewed periodically for its suitability and updated as necessary.

Date: 17th December 2019

ABG/SUST/POL/09

Version: V-3

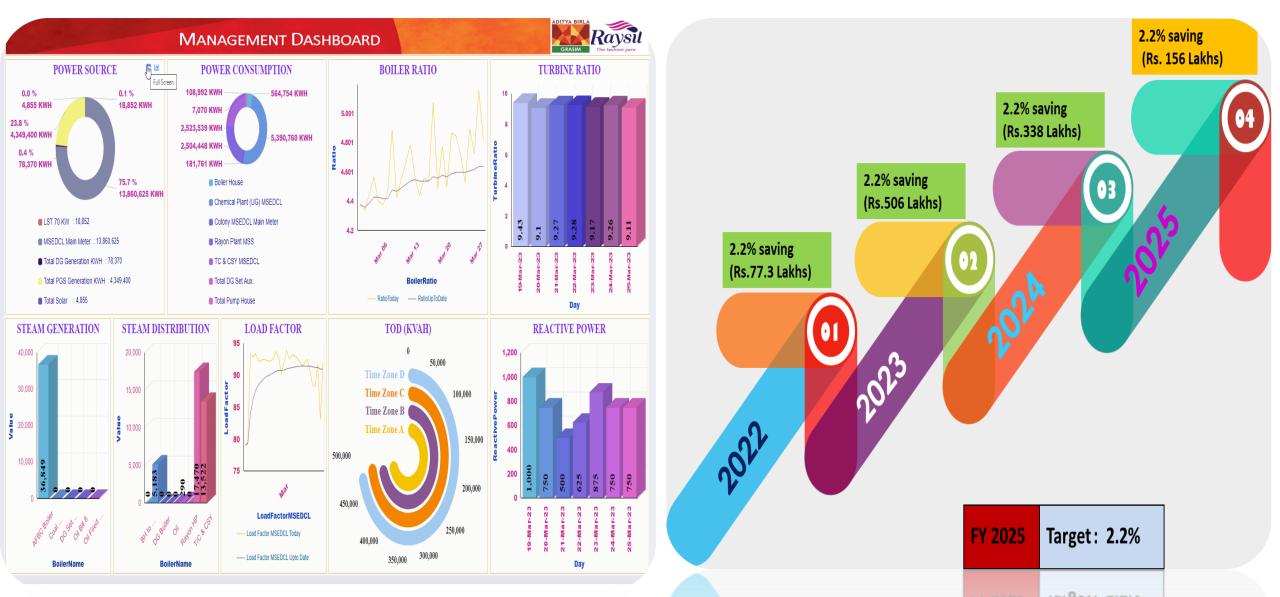
Declarines: The "Aditys Bins Cloup" is commonly and for convenience referred to a group of entities which use the proup's trademark 'Aditys Bins' and/or "Sunnise Logo" sa part of their corporate name, logo and/or in relation to their products and services, either by white of shareholding interest of "CMHCPL, Safe Carlos Logo" trademarks, registered in India and around the world, are owned by Aditys Bins' And Sunnise Logo" trademarks, registered in India and around the world, are owned by Aditys Bins' And Sunnise Logo" trademarks, registered in India and around the world, are owned by Aditys Bins' Androgen and provides ward controlled supert services to its member entities. The terms of use of the group mark, logo and expect controlled a services by Aditys Bins' Group companies are governed by arm's length control and around the world. A ditys Bins' Group, the Aditys Bins' Corpus mark, and Aditys Bins' Group companies. AMCR, provides in Services to third particle souble the Aditys Bins' Group. Na Aditys Bins' Group, the Aditys Bins' Bins' Bins







Energy Target & Monitoring System







EnMS ISO 50001: 2018 & LCA



GRASIM INDUSTRIES LIMITED (UNIT : CENTURY RAYON) SHAHAD - 421103



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.



TUV '



Certificate

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

TUVNORD

Management system as per

GRASIM INDUSTRIES LIMITED

ISO 50001: 2018

UNIT CENTURY RAYON

B.K Birla Marg, Shahad,

Dist. Thane - 421 103.

Maharashtra,

India



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TUV INDIA PVT, LTD

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CERTIFICATE OF COMPLETION

is presented to

Grasim Industries Limited

(Unit Century Rayon Kalyan)

for completing Life Cycle Assessment of Viscose Filament Yarn (VFY) products on 6th July 2022

Dr. Rajésh Kumar Singh Sr. Director, Consulting thinkstep Sustainability Solutions Pvt. Ltd.

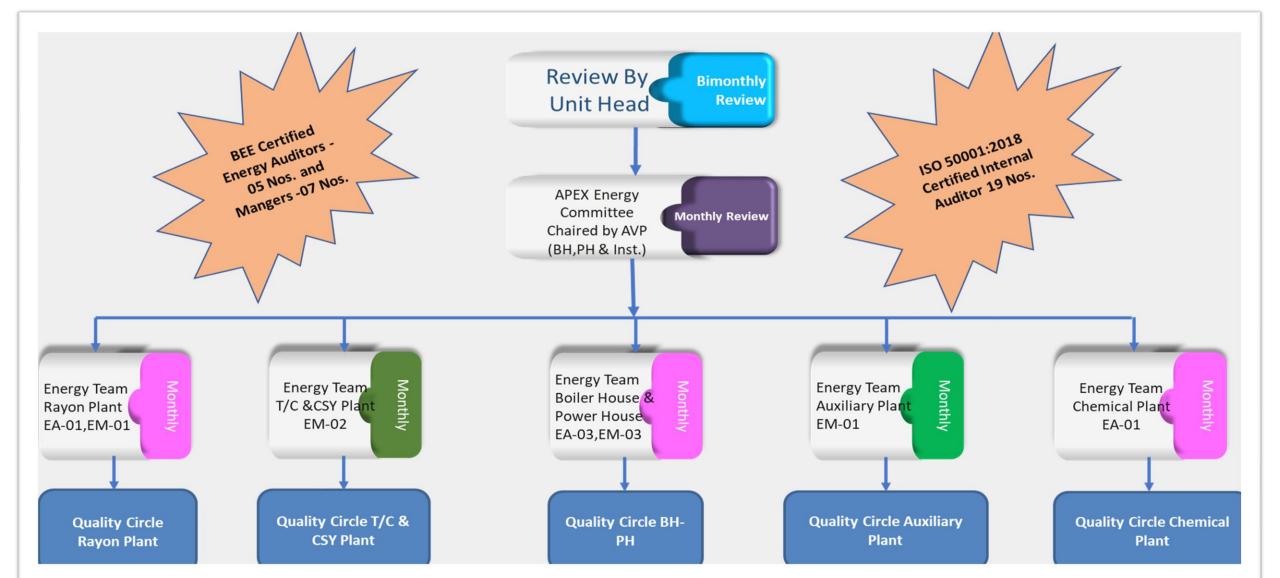
Digvijay Pandey Unit Head

Date : 12.01.2023





Energy Management Organogram







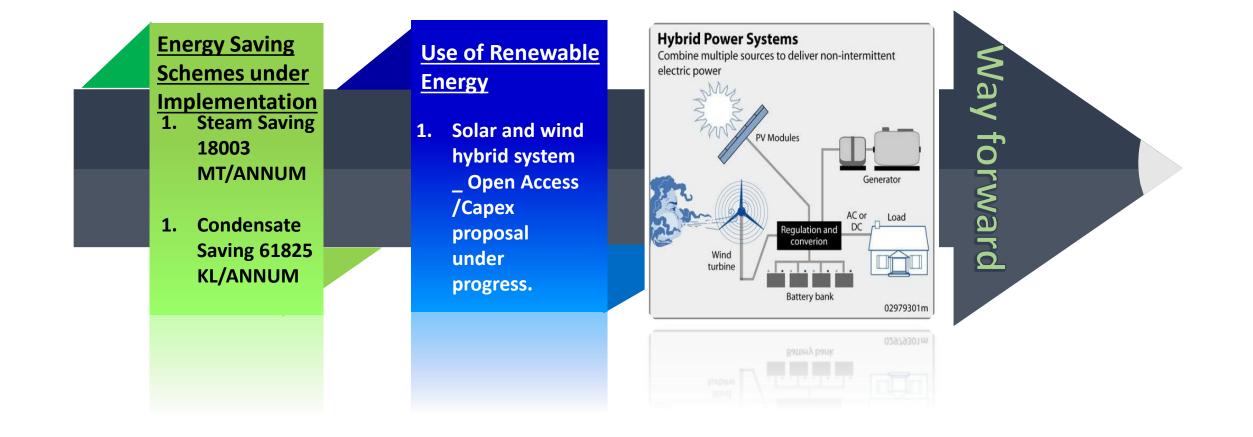
ABG's Sustainability Progress - 16 Commitments on ESG

Three Pillars	Material Areas	Group Philosophy and Commitments
	1. Decarbonisation	Net - Zero Carbon Emission by 2050
	2. Climate Change Adaptation	 Identify and Mitigate Climate Related Physical Risks
	3. Biodiversity Management	No Net Loss through mitigation Hierchy
Environment	4. Water Resilience	 Reduction in freshwater Consumption Water Positive at mining Locations
	5. Circularity	 Zero Waste to land fill % Alternative raw material













Axial Fan with BLDC Motor for AHU

In AHU System Conventional Centrifugal Blower with Induction Motor





Economics

1	Power Consumption with old blower(13.61x24)	326.64	Kwh/Day	5
2	Power consumption with BLDC blower (7.71x24)	185.04	Kwh/Day	Scop
3	Total Reduction in Power Consumed	141.6	Kwh/Day	imp
4	Annual Energy saved (141.60 KWh x 365 days)	51684	Kwh/Annum	tech
5	Annual Saving (@ Rs. 8/kwh)	4.13	Rs. Lakhs/Annum	Est
6	Investment	15	Rs. Lakhs	21
7	Payback Period	3.63	Years	

Axial Fan and BLDC Latest Technology motor with microprocessor based closed loop Controller.
43 % Reduction in Electrical Power Consumption

After



Scope in 42 Nos. AHU for implementation of this technology in our Plant. Estimated Saving Scope 2170728 Kwh/Annum.





Accreditations & Certifications

Certifications/Accreditation	n Status		
ISO 9001: 2015	Certified	Quality Management System	
ISO 14001: 2015	Certified	Environmental Management System	
ISO 45001:2018	Certified	Occupational Health & Safety System	- 11 C
ISO 50001: 2018	Certified	Energy Management System	
ISO/IEC 27001: 2013	Certified	Information Security Management system	
STeP	Under Renewal	Sustainable Textile Production – Environmental friendly & socially responsible production	
SA-8000:2014	Certified	Social Accountability Standard	
Oeko Tex	Certified	International Association for Research & Testing (Human- ecological safety of textile products)	Tested
FSC - COC	Under Renewal	Forest Stewardship Council - Chain of Custody	6
CANOPY STYLE	Certified	Yellow Shirt	DIRE
ZDHC - Contributor	Certified	Zero discharge of Hazardous Chemicals	
NABL	Certified	Standard for Testing & Calibration Laboratories	E
RCS	Certified	Sustainability By Recycled Raw Material	5
Others Inditex /	/ Higgs Sustainability	/ Index / Coats Supplier Code	



ADITYA BIRLA

GRASIM

VFY FASHION YARN BUSINESS UNIT : CENTURY RAYON, KALYAN



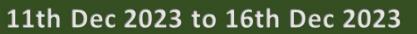
Ravsil

ogress with Power

<u>Awareness Creation In The Employees & Their</u> <u>Involvement In Energy Conservation & Training Programs</u>

CELEbrates

NATIONAL ENERGY CONSERVATION WEEK





DAY	DATE	Program	CARTOON COMPETITION	On /
1	11 th December	Opening CeremonyEnergy Conservation Awareness Training for staff.	Poster Competition	700 fron
2	12 th December	 Training on Energy Conservation Topic for workmen. Training on Energy Conservation Topic for Staff. 	SLOGAN COMPETITION	On A Hind
		POEM COMPETITION	On A	
3 13 th Decem		Quiz for workmen		Hind
	13 th December	 Training on Energy Conservation Topic for Staff. 	CROSS WORD	Engl wor
			ONLINE QUIZ FOR STAFF	Dt. 1
	14th December	 Non-Technical On Line Quiz for Staff 	TECHNICAL & NON-	14.1
4	14 th December	Technical On Line Quiz for Staff	TECHNICAL	1 1.1
5	15 th December	 Evaluation of Poster , Cartoon, Poem and Slogan competitions. 	QUIZ COMPETITION FOR WORKMEN	Dt. :
6	16 th December	 Prize Distribution 	RED TAG IDENTIFICATION	11tł

CARTOON COMPETITION	On A4 size paper in big and clean letters
Poster Competition	700 X 500 mm sheet (sheets can be collected from department coordinators.)
SLOGAN COMPETITION	On A4 size paper in big and clean letters in English, Hindi & Marathi
POEM COMPETITION	On A4 size paper in big and clean letters in English, Hindi & Marathi
CROSS WORD	English crossword for staff and Hindi cross word for workmen
ONLINE QUIZ FOR STAFF TECHNICAL & NON- TECHNICAL	Dt. 14.12.2023 at 11.00 to 11:20 Hrs. & Dt. 14.12.2023 at 15:30 to 15:50 respectively.
QUIZ COMPETITION FOR WORKMEN	Dt. 13.12.2023 at 14.00 hrs. in Rayon TQM Hall
RED TAG IDENTIFICATION	11th to 15th Dec 2023





Recognition & Awards in Energy Conservation

Year	Award	Agency		
2023-24	FAME NATIONAL AWARD 2023-24" In Diamond Award	for the Outstanding Project on "Energy Efficiency" in Textile Manufacturing Industry.	Foundation For Accelerated Mass Empowerment	
2018-19	Certificate of Merit State level Award for Excellence in Energy conservation			
2017-18	Second Prize in 13 TH	and Management(Textile Sector)	Maharashtra Energy Development Agency (MEDA)	
2016-17	Second Prize in 12 TH			
2017	Energy Efficient Unit -2017	CII		
2016	Energy Efficient Unit -2016	CII		
2015-16	Award for Appreciation of the achievement in Energy conserv	MEDA		
2015	Award for Excellent Energy efficient Unit	CII		
2013	ICC Award for Excellence in Energy conservation & Manageme	ICC		
2013	9th State Level Award in "Excellence in Energy Conservation a	MEDA		
2012	8th State Level Award in "Excellence in Energy Conservation a	MEDA		
2010	7th State Level Award in "Excellence in Energy Conservation a	MEDA		
2005,2006	National Award for "Energy Efficient Unit" in Energy Conserva	CII		
2004	State Level Award in "Excellence in Energy Conservation and N	MEDA		
2004	National Award for "Energy Efficient Unit" in Energy Conserva	CII		
2000	National Award for Excellence in Energy Conservation	CII		
1999 & 2000	National Energy Conservation Award, Certificate of Merit in Te	Ministry of Power, Govt. of		
1998	National Energy Conservation Awards- 2 nd Prize in Textile Sect	New Delhi.		





IMC RAMICRISHINA BADAJ NATIONAL QUALITY AWARD TRUST

IMC RAMKRISHNA BAJAJ NATIONAL QUALITY AWARD 2015

CERTIFICATE OF MERIT

AWARDED TO CENTURY RAYON

SHAHAD, DIST THANE IN THE MANUENCTURING CATEGORY

> d Labour NIRAJ BAJAJ

CHARMAN







