

KPR MILL LIMITED GHG EMISSION CONTROL PLAN 2025

Major Areas	Plan To Reduce emission	Short term	Long Term	Completed Projects
Energy Consumption	Increasing energy efficiency in textile production processes and promoting the use of renewable energy sources.	Baseline set based on each department wise daily energy readings.	Planning & Installing renewable energy projects.	1. Rooftop Solar power plant 35 MW
		1. Converting IE2 & IE3 motors to reduce power consumption in all applicable areas.	1. Rooftop Solar power Plant expansion	2. 61.92 MW windmills are installed in Tamil Nadu.
		2. Using BLDC type fans in production area.	2. Aiming to use 100% Renewable energy for our production process. Conventional fans will be replaced by BLDC fans within 2030.	3. 25 % of IE2 & IE3 motors are replaced in mills.
		3. Using LED lights in production floor.		4. Wooden boilers are not used in Garments. Only Electrical boilers are used with 96% efficient.
		4. Using Natural lights where ever its possible		5. LED Lights are installed in all production areas.
		5. Recovery of compressor heat to boilers		6. Natural lighting system installed in roofs like Dispatch & Storage areas.
		6. Using all electrical applications with 5 star rated products only.		
		7. All sewing machines are new with direct drive motors		
		8. Energy saving training to all employees.		

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Fossil Fuel Use	Encouraging sustainable sourcing practices, reducing reliance on fossil fuel-based materials, and promoting circular economy principles	1. Using Bio Mass to reduce coal consumption 25% in Processing unit.	1. Usage of coal will be reduced on or before 2026.	Power cut free dedicated EB lines are given to all units.
		2. Using Bio Gas plant in our All-production units which saves 20 % of LPG usage.	2. 25% Electrical based vehicle will be used on or before 2030.	
		3. 90% of Workers are hostel based so they are not using any public or private transportations.	3. Heat Pump based water heaters will be installed to support boilers to reduce power consumption on or before 2030.	
		4. Applied dedicative power supply to all production units which will support to reduce unwanted power cuts. During, shutdown days we planned to provide week off to workers and compensation manner to avoid to run Generators.		
		5. BS VI Goods carriage vehicles are emitting 50% less than previous versions.		
Chemical Processes	Adopting cleaner production technologies and techniques, such as low-temperature dyeing, waterless dyeing, and more sustainable chemical processes.	1. Using Continuous dyeing processes to reduce water & dyes consumption.	1. Installing water less dyeing process based on available technology.	60 % of the production done with Continuous dyeing processes.
		2. Using Heat recovery from various process in Dyeing Industry.	2. Installing solar thermal plant to generate steam on or before 2030.	

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Waste Generation and Management	Implementing waste management strategies that prioritize recycling, reuse, and responsible disposal of textile waste.	1. Colour wise fabric cutting wastes are segregated in garments for recycle the Colour cotton.	1. Installing recycle yarn division separately to use our own waste to colour cotton process on or before 2030.	Installed cutting waste to colour cotton making unit in our Karumathampatti mill. We are using our 20 % of the cutting waste colour wise to generate colour cotton. From this process melange fabric can produced these fabrics no need to dye so 90% we are saving water. Only washing is required based on buyer requirement.
		2. Doing R&D to use all kind of waste yarn, cutting waste to bring new fabric with 100 % reliable recycle manner.		
		3. Sending all waste to TNPCB approved vendors to recycle.		
Domestic Water & Rain water Management	Installed STP in all our mills, Garments, Processing units and treated the domestic water and used that water to green plant development in and around the factories.	1. Planted trees in all empty places. 2. Installed Rain water recharge station in all factories	10 lakh trees will be planted on or before 2030	1 lakh trees planted and installed STP in all factories.