

## KPR MILL LIMITED GHG EMISSION CONTROL PLAN 2023

Major Areas	Plan To Reduce emission	Short term	Long Term	Completed Projects
<b>Energy Consumption</b>	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 renewal energy projects,	1. Solar power plant 12 MW installed in 2 MW in Garment and 10 MW in spinning factories,
		1. Converting IE2 & IE3 motors to reduce power consumption in all applicable areas.	1. Solar power Plant,	2. 61.92 MW windmills are installed in Tamilnadu various places in Coimbatore, Theni, Udumalpet, areas.
		2. Using BLDC type fans in production area,	2. Windmills, before 2025 100% of the production done with renewable energy. 3. 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 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. leakage monitor regularly,		
		7. Using all electrical applications in 5 star rated products only,		
		8. All sewing machines are new with direct drive motors		
		9. Purchase Power from IEX,		
10. Energy saving training to all employees.				

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<b>Fossil Fuel Use</b>	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. 100 % Bio Mass will be used on or before 2026.	1. 25 % Bio Mass used in processing unit, 2. 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 and 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. BS6 Goods carriage vehicles are using 50%		
<b>Chemical Processes:</b>	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 stem. On or before 2030.	
		3. Using 99% recycled water in processing unit with help of Bio Culture ETP treatment process.		
<b>Waste Generation and Management</b>	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.
		2. Doing RND 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.		

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				only washing is required based on buyer requirement.
<b>Domestic Water &amp; Rain water Management</b>	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,	1. 10 lakh trees will be planted on or before 2030	1 lakh tree planted and installed STP in all factories.
		2. Installed Rain water recharge station in all factories		