

Sustainability at



July-2025



BUILDING A SUSTAINABLE WORLD

Rooted in our mission

We are committed to being a catalyst for positive change for the stakeholders and Community by embracing Sustainable and an Ethical business Practices



Emission Reduction in 2024

By adopting sustainable practices, optimizing processes and resources, transitioning to green energy, and phasing out coal, Maheen Textile has made a significant contribution to carbon emission reduction as below.

Scope 1,2 & 3	Year	Emission		
		Processing Kgs	Export Kgs	Total Kgs
	2,023	18,523,876	20,055,605	38,579,480
	2,024	15,643,812	18,067,830	33,711,642
Saving		(2,880,063)	(1,987,775)	(4,867,839)

Source: GHG Calculation method and emission factors

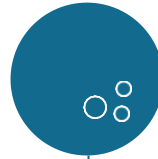
Sustainability Strategy



1-Materials & Chemicals
Sustainable in, sustainable out.



3-Community & Welfare
Sustainable living, stronger community.



2-Processes & Energy
Clean energy, cleaner world.



4-Certifications
Get certified, make a difference.

1. Sustainable Material

4,876,879 Kgs

BCI, GOTS, GRS & OCS materials used in last 03 years

Action Strategy:

1. Increase the use of sustainable material up to 40% till 2030 & 60% till 2050
- 2 Got OCS & RCS Certification to enhance the use of sustainable material
3. Instalation of own recycling plant till 2030.

Linen



Linen is sourced from flax plants and requires low irrigation or fertilizers.

Lyocell & Tencel



Lyocell is made primarily of cellulose derived from wood and is highly breathable.

Hemp



Hemp fiber is biodegradable and tightly woven yet breathable and surprisingly soft.

Bamboo



Bamboo fabric is characterized by good hydrophilic properties.

Chemical Management Program

1. Road map to zero Program.

Supplier to Zero Level-1 & Level-2 Achieved

3. InCheck Report:

Being generated on monthly basis

2. BHive:

Use of Bhive Portal, 100% ZDHC level-3 Certified Chemicals

4. Chemical Transformation:

R & D to use multi-functional Chemical & Dyes

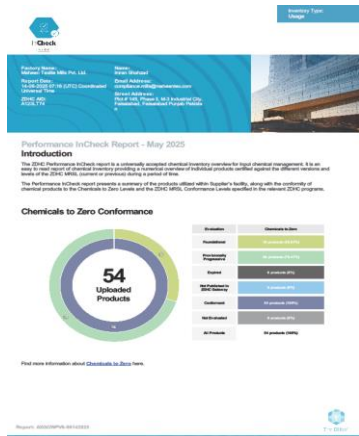
5. Capacity Building:

Chemical Management Training, Globally recognized courses

Supplier to Zero Level-2



InCheck Report



ZDHC Certificate



REACH Certificate



Chemical Management Certificate



Waste Reduction and Recycling

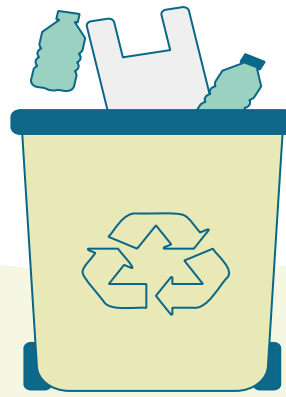
Technology

Automation in cutting, stitching, and handling.



Product Life Cycle

Circular product life, waste used to manufacture products.



Transparency

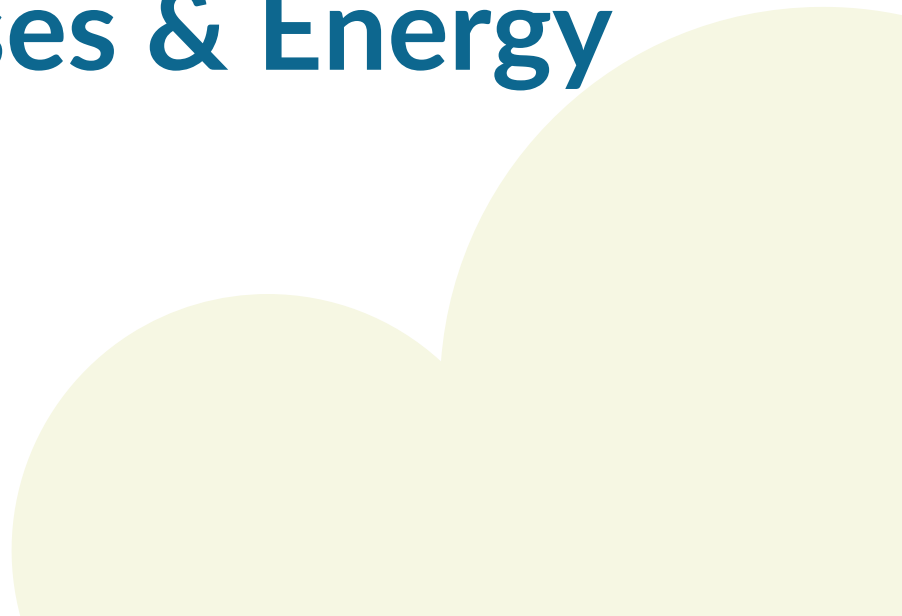
Traceability, Lot route system, Certified Vender.





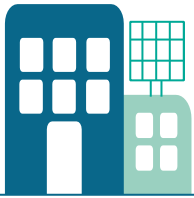
02.

Processes & Energy



Carbon Footprint

Changing climate conditions across the global require immediate actions by corporates to reduce emissions from their operations, keeping the temperature well below 2°C above pre-industrial levels, limiting it to 1.5°C.



Textile Industry Standard

Journal of Cleaner Production estimates that a kilogram of fabric in the textile industry is estimated to be around:

25 kgCO₂e



Maheen Textiles Mills Pvt Ltd

SteP by OEKO-Tex verified that Maheen's carbon Footprint is:

0.73 kg CO₂e
2023



Maheen Textiles Mills Pvt Ltd

Targeted Maheen's carbon Footprint by adopting sustainable practices:

0.05 kg CO₂e
Target-2026



Maheen Textiles Mills Pvt Ltd

Targeted Maheen's carbon Footprint by adopting sustainable practices:

0.03 kg CO₂e
Target-2030

STeP by OEKO-TEX[®] the highest level of Sustainability

Maheen has one of the
lowest carbon and
water footprints in the
industry.

2023

Facility name: Maheen Textile Mills Pvt Ltd
Region / Country: PK
STeP certificate number: 23002298
Institute: TBD

OEKO-TEX[®]
INSPIRING CONFIDENCE

Period of calculation: 01.01.2023 - 31.12.2023 based on self-declared data & input values

Carbon Footprint



Includes impacts (carbon footprint) created directly at the facility (gate-to-gate) and impacts generated by the production of raw materials and by the process steps which took place in another site (cradle-to-gate).



Gate-to-gate, on site

Per yearly production

5,785,381.53 kg CO₂-eq.

Per 1 kg of material output

0.73 kg CO₂-eq.

Water Footprint



Includes impacts (water footprint) created directly at the facility (gate-to-gate) and impacts generated by the production of raw materials and by the process steps which took place in another site (cradle-to-gate).



Gate-to-gate, on site

Per yearly production

9,431,552.73 m³ world-eq.

Per 1 kg of material output

1.19 m³ world-eq.

2024

Facility name: Maheen Textile Mills Pvt Ltd
Region / Country: PK
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Carbon Footprint

Includes impacts (carbon footprint) created directly at the facility (gate-to-gate) and impacts generated by the production of raw materials and by the process steps which took place in another site (cradle-to-gate).

Gate-to-gate, on site

Per yearly production

50,913,392.45 kg CO₂-eq.

Per 1 kg of material output

0.05 kg CO₂-eq.

Water Footprint

Includes impacts (water footprint) created directly at the facility (gate-to-gate) and impacts generated by the production of raw materials and by the process steps which took place in another site (cradle-to-gate).

Gate-to-gate, on site

Per yearly production

11,311,463.78 m³ world-eq.

Per 1 kg of material output

0.01 m³ world-eq.

4MW Solar Power

Maheen has installed 1.5-MW solar power plant which is operational.

AND

Made Ups Unit completely shifted on green energy

02-MW solar installation is in progress and will be operational in Aug-2025

Short Term Target-2025 : 04 MW

AND

Long Term Target-2030 : 06 MW



Renewal Energy Source

Coal Phase Out

Coal Replaced by Bio-Mass

Bio-Fuel Usage

20-%

2023

80-%

2024

100-%

2027

Energy & Environmental Assessment Audit by WWF/ILO



International
Labour
Organization



Emission Reduction Roadmap.

Maheen Textiles in acting on climate Change through adoption of cleaner technologies, green Buildings, energy conservation, and setting ambitious emission reduction targets



Description	Short Term Target 2025	Short Term Target 2030	Performance
Science Base Target (Business Ambition for 1.5°C)	Commitment has done. Targets validation	Target Achievement	Commitment Approved by SBTi, Validation in progress
Road Map to Zero Program.	Supplier to Zero Progressive level InCheck & Clear Stream	Supplier to Zero Aspirational level	Supplier to Zero Foundational and Progressive level Achieved
Use of Bio-Fuel for Steam generation.	85% use of Bio-Fuel	Shifting on available emission free source to cut down bio-fuel	Using 80% Bio-fuel
Green Energy	Addition of Green Energy up to 4 MW	Enhancing green energy according to demand	1.5 MW Installed and rest of 02 MW is in progress
Re-use of Gas generator Emissions	Re-use of waste heat by using waste heat recovery boiler	100% Re-use of Generator and processing machine emissions	Heat recovery Boiler is operational for Re-using of Generator Emissions
Re-use of Boiler Emissions	Economizer installation to Re-use of Boiler Emissions	Up-gradation according to available latest technology	Economizer installed

Emission Reduction Roadmap

Maheen Textile in acting on climate Change through adoption of cleaner technologies, green Buildings, energy conservation, and setting ambitious emission reduction targets



Description	Short Term Target 2025	Short Term Target 2030	Performance
Re-use of Non-Contact Water & Steam condensate, Heat recovery	Re-use of Steam condensate from Dryers and Calanders. Waste head recovery from bleaching plant waster water	Re-use of heat from dying machine waste water.	Re-using of non-contact water from singeing & saforizing. Steam condensate recovery from Bleaching.
Re-use of RO Rejection	Re-use of RO rejection in Screen washing, utilities	Re-use of RO rejection in wet scrubber	Non-contact & steam condensate is being reused
Plantation to control carbon footprint.	Plantation up 5,000	Plantation up 20,000	3,500 recent plantation
United Nation Sustainable Development Goals (SDGs)	Aligned our strategy and business actions with United Nation Sustainable Development Goals (SDGs)	Implementation of United Nation Sustainable Development Goals (SDGs)	Understanding developed and got training
Cut Down Water consumption	Process optimization and consumption monitoring	Continuous fabric dying to save water.	Continuous monitoring, Reducing RO running period
Waste Water Recycling	Re-using of waste water up to 30%	Re-using of waster water up to 80%	Plant extension is in progress



Higg Index 3rd Party Verified Assessment

SGS



2024 FEM PERFORMANCE
2024 BENCHMARK

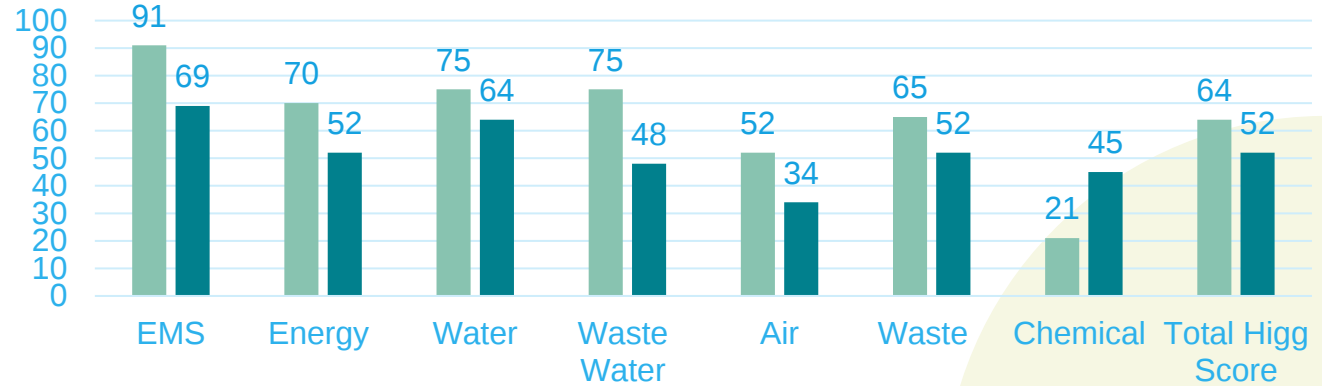
170962
&
161918

96.75%



INDUSTRY
MEDIAN 52%

Higg Index Cumulative Performance



■ 2024 MAHEEN ■ BENCHMARK

Source: Higg Index Benchmark is based on Median Values modules on Higg Index portal.

Emission Reduction Results



Addressing Climate Change Through Sustainable Practices

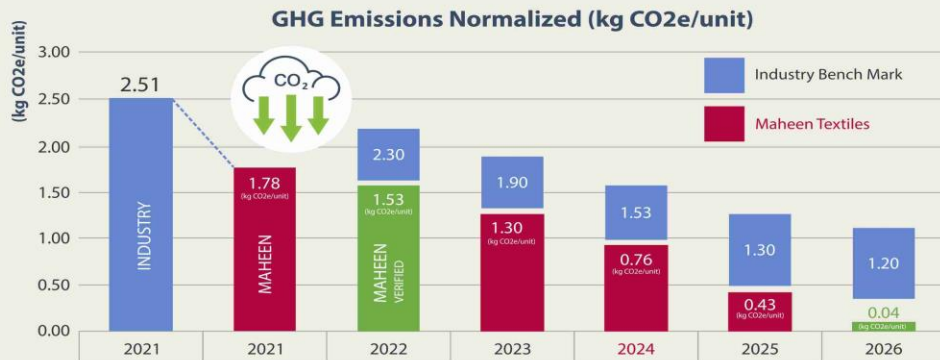
ZERO WASTE

100% **biomass energy**



ROADMAP TO **ZERO**

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION



Emission Reduction Normalised Percentage

YOY (kg CO2e/unit) Percentage Reduction	Maheen Textile Mills (Pvt) Ltd	14%	27%	41% Verified	76%	97%
100% Green Energy						

Paris Climate Agreement 2015

"Net Zero Emission by 2050 and shift on green energy by 2030 is the benchmark"



Maheen Textiles is 25 years ahead of the industry benchmark.

ECO FACTORY

Retail, Health Care, Hospitality, Travel Industry

The Paris Agreement's goal is to keep the rise in global temperature to well below 2 °C and preferably limit the increase to 1.5 °C.

Emissions reductions to reach net zero by the middle of the 21st century.

To stay below 1.5 °C of global warming, emissions need to be cut by roughly 50% by 2030.



OUR COMMITMENTS

We had set environmental and social goals and striving even Harder for meeting our commitments and expanding our focus towards responsible Materials, environmental management and a diverse & inclusive workforce across all operations.

2020-30 Goals

PLANET	PILLAR	IMPACT	TARGETS	TARGET YEAR	PERFORMANCE
		Sustainable Raw Materials	60% of total raw material	2030	40% current
		Water	40 % Reduction	2030	19 % Reduced
		Energy	35% Reduction	2030	11 % Reduced
		GHG Emissions	60 % Reduction	2030	41 % Reduced
		Renewable Energy	6 MW	2030	02 MW Installed and 02 MW in progress
		Renewal Fuel Source	100 Bio-Mass as fuel in boiler	2030	80% shifted on Bio-Mass
		Waste Water	ZDHC Aspirational Level	2030	ZDHC Progressive level achieved
		Sustainable Chemical & Dyes	Use of 100@% ZDHC Level-3 approved	2030	Using 90% ZDHC level-3 Approved
		Re-use of Emissions	100% Re-use of boiler & Power plant emissions	2030	Installation work of Economizer completed
		Waste Heat & Condensate Recovery	Heat from Bleaching waste water for all applicable processes	2030	57% is being recovered

Sustainable Ventilation System

Maheen Textile Mills Pvt Ltd has taken a proactive and impactful initiative to mitigate the effects of heat in processing units. This action aligns with the Better Work/ILO Team's recommendation to foster a more comfortable and worker-friendly environment.

To achieve this, we have installed eco-friendly ventilation systems equipped with self-manufactured, powerless exhaust fans on the rooftops. These innovative fans operate without consuming any energy and function continuously 24/7.

This innovative solution has successfully reduced internal temperatures have been effectively reduced by 25–30%, significantly enhancing workplace sustainability and comfort.



Sustainability Pledges.



SCIENCE BASED TARGETS
(BUSINESS AMBITION
FOR 1.5°C)



PARIS AGREEMENT
To CLIMATE CHANGE

**OUR
PLEDGE**



ALIGN THE PRACTICES
WITH UN SDG



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

VALIDATION OF SUSTAINABLE
DEVELOPMENT GOALS



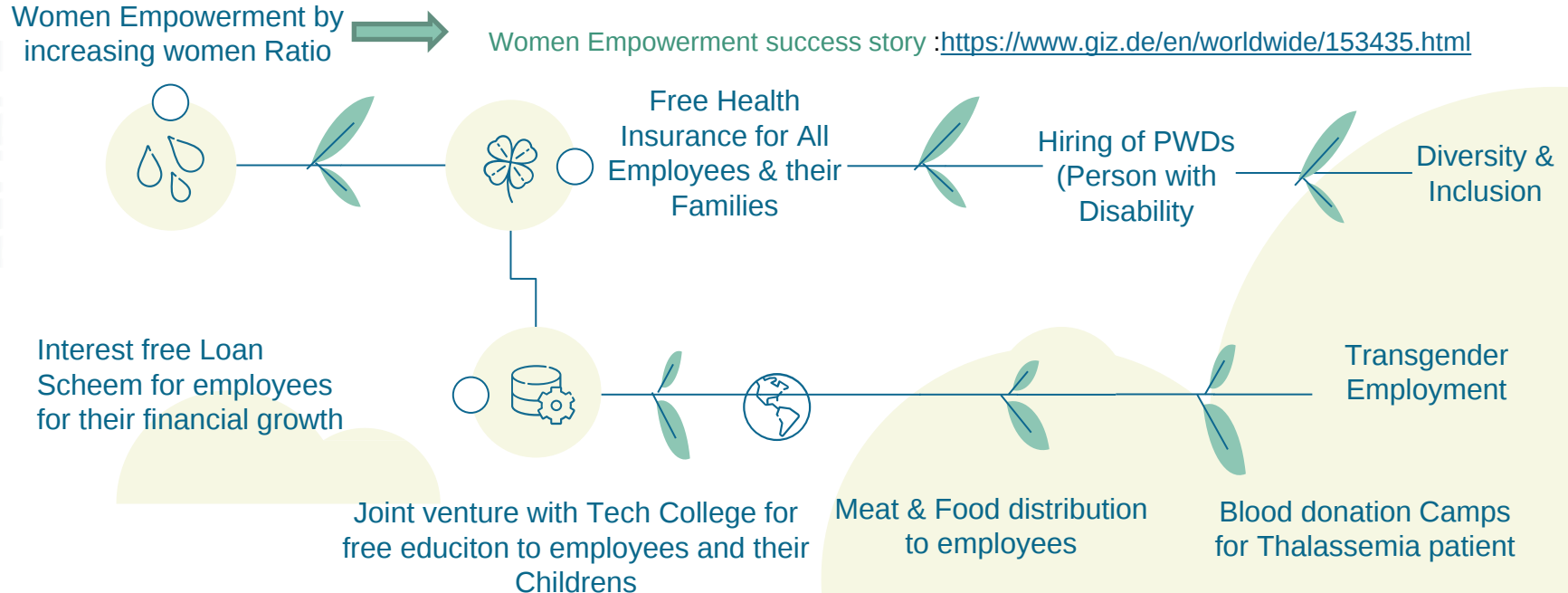
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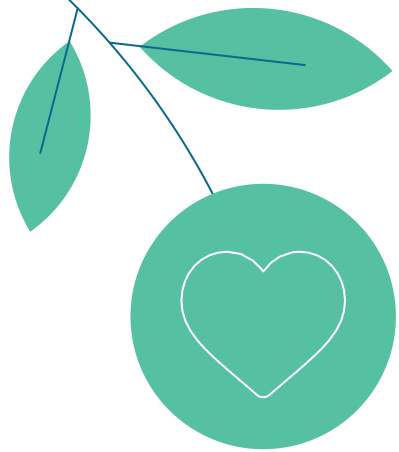
Sustainable Social Action

Sustainable Social Welfare

People are our strategic assets and their professional growth is essential for company's growth. Our policies are focused on onboarding talented professionals, grooming through trainings and enabling workplace to develop as a valuable asset. Performance-based career growth and job rotation makes **Maheen Textiles** a much sought-after employer.

PEOPLE





04.

Certifications



HOME

WASTE
MANAGEMENT

CO₂ EMISSIONS

COMMITTED
EMPLOYEES

SOCIAL ACTION

Fully committed, fully certified.

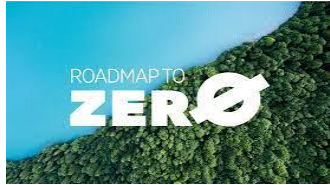
OEKO-TEX®
INSPIRING CONFIDENCE
MADE IN GREEN



OEKO-TEX®
INSPIRING CONFIDENCE
STeP



USB TEX2138



**SOCIAL & LABOR
CONVERGENCE**

amfori
Trade with purpose
586-000286-002





Future Sustainable Projects

★ Proud Moment for Maheen Textile Mills (Pvt) Ltd. ★



CSR Award



By National Environmental Health Forum

OSH Award



By Employer Federation of Pakistan

Disability & Inclusion Award



By Employer Federation of Pakistan

Women Empowerment & Gender Equality Award



By Employer Federation of Pakistan

Future Sustainable Projects

Maheen Organic Kapas*

We are thinking to launch **Maheen Organic Kapas**; a project to develop a local organic cotton supply chain, improving the availability and traceability of organic cotton.

Maheen Organic Kapas will not only support regenerative farming practices but also focus on improving livelihoods of farming communities including capacity building, health and nutrition, and equal opportunities for female cotton pickers.



Maheen Green Bio-Mass:

We have launched a project of forming the Napier Grass as Bio-Mass fuel which will be used in boiler as sustainable fuel to replace conventional bio-mass or coal.



Waste Water Treatment Plant:

Installation of State of the art Waste Water Treatment of capacity up to 150 M3 and recycling plant, going to be operational in Aug-2025

