

A photograph of a textile factory interior. A man in a white shirt is standing in the background, holding up a long strip of light-colored fabric. In the foreground, there are large, messy piles of similar fabric. The factory has a high ceiling with metal beams and a single light bulb hanging from the ceiling. On the left, there is a chalkboard with Urdu text. The overall scene depicts a busy industrial environment.

Sustainable Management Practices in the textile industry for growing economy

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WWF's Mission

To stop the degradation of the planet's natural resources and to build a future in which humans live in harmony with nature, by:



- conserving the world's biological diversity
- ensuring that the use of renewable natural resources is sustainable
- promoting the reduction of pollution and wasteful consumption



Background



This project is funded by
the European Union

Pakistan has
ratified a
number of
international
conventions

Textile
Industry in
Pakistan
contributes 8.5
% of the
country's GDP
& 57% in
exports

Majority of
the industry
is unable to
implement
the MEAs

Unable to
develop linka
ges of
international
conventions
with local
standards

Textile sector
consumes
huge amount
of water and
produces
more
pollution



Background (contd.)



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WWF-Pakistan
took an initiative
with ILO, named
"International
Labour and
Environmental
Standards (ILES)
Application in
Pakistan's SMEs"
funded by the
EU.

This project will
devise practices
leading towards
resource
efficiency in the
textile sector

It will also
help develop
linkages between
international and
local standards



Methodology



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Resource efficiency

SEMPs adopted

Smart Environmental Management
Practices (SEMPs) devised

Survey on water consumption

Analyzing MEAs

Industrial Mobilization



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Findings so far!

Pakistan signed 14 environmental agreements that links to industrial compliance

Surveys conducted & recommendations made in the form of Smart Environmental Management Practices (SEMPs) for the resource efficiency

Capacity Building of local institution/authorities is needed for the implementation of local environmental laws



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Findings so far! (contd.)

SEMPs	Pollution Aspect	Local Laws / Guidelines / Plans	Regional and International Laws	Associated Benefits
Avoid Use of PCB's	Solid Waste, Wastewater	National Implementation Plan	Stockholm Convention	benefit due to securing the business with leading brands
Use of Azo-free Dyes	Wastewater, Product Contamination	-	REACH	benefit due to securing the business
Caustic Recovery Plant in Textile Processing	Wastewater	Wastewater NEQS	Basel Convention,	Investment of around 35000 Euros with Payback period of 1.5 years
Waste Heat Recovery from Water	Wastewater and Air Emissions	Wastewater NEQS	KYOTO Protocol	Investment of around 4000 Euros with payback within 6 Months
Use of HFCs as refrigerant	Air Emissions / POPs	UNDP ODS Project	Montreal Protocol	benefit due to securing the business with leading brands
Combustion Efficiency Improvement	Air Emissions	Air Emission NEQS	KYOTO Protocol	Investment of around 4000 Euros with payback within 3 Months



Analysis



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An industry can save more than 110,000 m³ of water per year through an investment of 100,000 Euros with a pay-back period of 5-10 months

Alignment of local standards with MEAs will add value in the exports of the textile industry

Adoption of SEMP's in textile industries will make them resources efficient

SEMP's are the solutions for the aggravating water issues in the country

Training sessions on environmental standards and SEMP's will better equip industrial officials/workers to adopt MEAs and comply with these standards



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Insert video



Thank you

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