

Presentation on



FICCI Vision & Mission



Vision

 To be the thought leader for industry, its voice for policy change and its guardian for effective implementation

PEDERATION HOUSE

Mission

- To carry forward our initiatives in support of rapid, inclusive and sustainable growth that encompasses health, education, livelihood, governance and skill development.
- To enhance efficiency and global competitiveness of Indian industry and to expand business opportunities both in domestic and foreign markets through a range of specialized services and global linkages.

We listen We analyze We influence We connect

About FICCI



- Established in 1927, largest and oldest apex business organization in India
- Non-government, not-for-profit organization
- Serves members from Indian private and public corporate sectors, as well as multinational companies and draws strength from diverse regional chambers of commerce and industry across states
- Engages with over **250,000 companies**
- Provides **platform for networking and consensus building** within and across sectors

PEDEMATION HOUSE

• Primary liaison for Indian industry, policymakers, and international business community

I do not for a moment believe that commercial prosperity is incompatible with strict honesty.

Mahatma Gandhi at FICCI's 4th AGM, 1931



About RCM



- The RCM (Resource Conservation & Management) is a technical wing of FICCI which provides integrated technical consultancy services to industries to enhance their competitiveness, particularly through sustainable use of the resources (Energy, Water etc.), energy transition, decarbonisation, water neutrality, cleaner production and waste minimisation and improving Occupational Safety & Health etc.
- RCM Group has inhouse experts and consultants including Accredited Energy and Water Auditors. It also has potable & latest Instruments to conduct Resource Conservation & Environmental Projects.

RCM Objectives



To support Indian Industries and other stakeholders to



ENHANCE RESOURCE EFFICIENCY



IMPROVE ENVIRONMENTAL PERFORMANCE



MEET ENVIRONMENTAL COMPLIANCE



IMPROVE PRODUCTIVITY AND COST REDUCTION



PROMOTE
OVERALL
SUSTAINABILITY
AND ACHIEVE
SDG GOALS



THROUGH ENERGY TRANSITION

Statutory Compliances



Energy Audit

- Mandated by the Energy Conservation Act (EC Act) 2001.
- Designated consumer industries must conduct Mandatory Energy Audit & Monitoring & Verification audits.

Water Audit

- Mandated by Ministry of Jal Shakti notification.
- Date of **Notification**: 24th September 2020.
- Industries abstracting groundwater exceeding 100 cubic metre per day must conduct water audit once in two years through certified auditors of accredited agencies like FICCI.

Government Accreditations



 An Empanelled Accredited Energy Auditing Organization with Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India for Conducting Mandatory Energy Audits and M&V Audits under Energy Conservation Act 2001



 Notified as Recognized Water Auditing Organisation by Central Ground Water Authority (CGWA), Ministry of Jal Shakti, Government of India



RCM Team Strength



Qualified & experienced experts in environment management, energy efficiency, water conservation, and sustainability

Accredited energy & certified water auditors by Government of India

ISO certified environment, energy & safety professionals

Pool of empanelled experts from different industry sectors

Services Offered





Energy Efficiency & Demand Side Management



Water & Wastewater Audits



Environment Management, Health & Safety



National Level Studies & Policy Development



Training & Capacity Building





Energy Efficiency & Demand Side Management

Energy Audits for Energy Intensive Industries under EC Act 2001

Cluster Level Studies towards **Decarbonisation** in MSME's, large industrial sectors

Demand Side Management studies for utilities.

Evolving Low Carbon Sustainability Plans

Project Management Cell for implementation of various government schemes

Dissemination of National & International Cutting-edge Technologies for Energy Efficiency





Water & Wastewater Audits

Water & Wastewater Audits for Industries/ Water Pumping & Distribution companies/ Commercial Building etc.

CGWA Compliance audits for NOC renewal of industries abstracting groundwater > 100 KLD.

Preparing Water Management Plan for Achieving Zero Liquid Discharge (ZLD).

Saving Potential





Energy Studies: Energy Saving potential of up to 5-20% with payback periods less than 3 years



Water Studies: Water use efficiency by 10-50 % with a discounted payback period < 2 years and Reduction in operating costs (like energy, chemical consumption) by 5-20%.

Sectors served



The team has successfully accomplished energy and water conservation studies for more than 1300 industrial units covering following sectors

 Beverage 	 Oil & Gas Exploration
 Building Complex 	 Oil Refinery
• Cement	 Petrochemical
 Chemical 	 Pharmaceuticals
 Fertilizers 	 Power plants
Iron & Steel	Pulp & Paper
 Mining 	 Textile
 MSME sector industries 	 Zinc, Aluminium

Projects for enhancing energy & water efficiency in MSME clusters



- Rice Mill cluster Karnal
- Textile processing Sonipat
- Garment , Auto-ancilaries, Cutlery Manufacturing Kundli
- Brass Foundries Jamnagar
- Steel Foundries Kolhapur
- Steel Re-rolling mill- Tamil Nadu & Kerala
- Engineering Industries Faridabad
- Textile dyeing & printing Surat
- Engineering Industries Pune
- Pulp & Paper, Meerut
- Sugar- Muzaffarnagar



Steel Foundry





Environment Management, Health & Safety



Performance Up-gradation of Existing less efficient Air Pollution Control Devices (APCDs)



Human Health Risk
Assessment (HHRA) Studies
to identify & improve on
environmental impacts



Industrial Safety Audits and EHS Documentation



Cleaner Production and Waste minimization projects

Reducing Air Pollution in Delhi NCR Region



- FICCI provided its expert's service, to be part of a Technical experts committee formed by CPCB under NGT Direction
- The Air pollution by Brick Kilns operating in Delhi NCR region was studied
- Various field observations & measurements were conducted in few brick kilns using different technologies
- Root cause of air pollution were identified
- Recommendations were provided to reduce air pollution
- Technical analysis was done to help evolve viable solution to improve productivity of brick kilns along with reduction in Air pollution



Brick Klin





National Level Studies & Policy Development









- Evolving Energy
 Consumption
 Benchmarks for
 Industry Sectors
- Energy studies for various Industry sectors

Evolving
Environmental
Regulatory Standards
for Industry sectors

Evolving Water Use
Benchmarks and
Accounting
Guidelines for
Industrial Sectors

Facilitating Multiplier
Effect of
Implemented Cleaner
Production Options
in Non-Ferrous SME
Foundries in
Jamnagar cluster





National Level Studies & Policy Development









Setting up loadbased emission standards for Industries for The Abdul Latif Jameel Poverty Action Lab (J-PAL) which is a is a global research center. Scaling Up of Investments
through ESCO Mechanism in
three MSME Clusters by
Deploying Standard Energy
Efficient Technologies (SEET) in
Haryana for The Global Green
Growth Institute (GGGI) which is
a treaty-based international,
inter-governmental organization.

 Promotion of micro solar water pumps for marginal farmers (Odisha, Jharkhand, Assam)

-Developing training modules on sustainable soil management in India. Project for Energy
Efficiency monitoring for
Secondary RE-Rolling
Mills for the United
Nations Development
Programme (UNDP)
which is international
development
organization.





National Level Studies & Policy Development









- Project on Capacity Building for Energy Manager
- -Project on Indian Industry program for Energy Conservation for preparation of energy conservation sectoral taskforce for different sectors

"Capacity building of Vendors for increasing penetration of Energy efficient technologies in 5 MSME clusters

- -Climate Works Foundation project on Capacity Building for Energy Managers & Auditors
- -Project on Identification of Energy Efficient Technologies for Designated Consumers for achieving PAT Targets and conduction of Workshop.

UNIDO project for Facilitation of private sector development in India: Energy Efficiency Intervention in Pulp & Paper industries in India





Training & Capacity Building

FOCUS AREAS

Advanced Technologies in Air Pollution Control & Monitoring	Plant Maintenance summit
Advanced Air handling Systems	Reliability of Electrical Systems
Cleaner Production/Technologies and Waste Management	Safety Management in Industries etc.
Corrosion Management	Thermal Insulation
Desalination and Membrane Technologies	Total Power Quality Management
Rainwater Harvesting & Groundwater Recharge	Water & Wastewater Management etc.
Recent Advancements in Combustion technology	

- More Than 15,000 Professionals Across Industry Sectors, Government & Regulatory Authorities Trained in Energy, Water, Environment, Occupational Health & Industrial Safety since 1999
- Around 450 international delegates trained

FICCI Clients (Member Organizations)







































FICCI Clients (Member Organizations)































FICCI Key Clients

































PRISM JOHNSON LIMITED

















Government & International Agencies





Canadian International Development Agency



















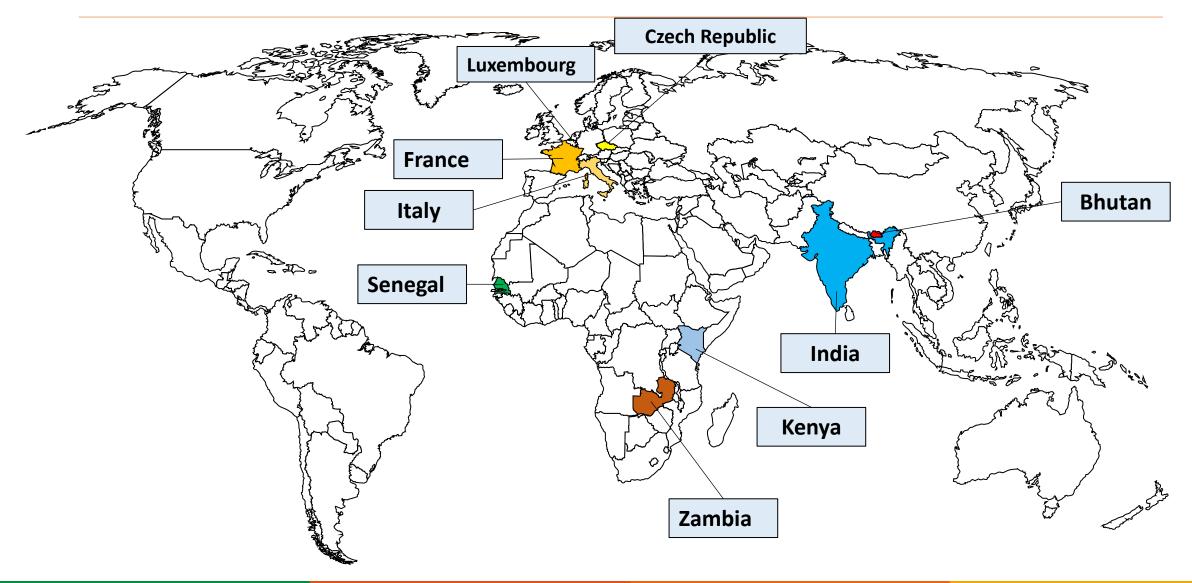






RCM Services- Global Footprint





RCM Services: Benefits



Reducing Production Costs, by reducing energy & water bills, saving resources

Reducing water footprint, by conserving water, increased recycling of water, achieving ZLD

Achieving Sustainable growth through optimum use of resources and waste minimisation

Reducing greenhouse gas emissions by improving energy, water & resource use efficiency

Improving Occupational Health & Safety

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Thank you for your attention.

Together, let's pave the way for a greener and more sustainable future!