

GOVERNMENT OF INDIA



ENERGY MAPPING OF CHEMICAL MSME CLUSTERS

Key activities performed during the project



in 50 MSME

units



consumption benchmarks

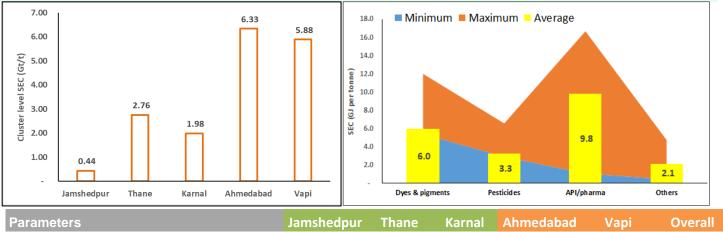


Sectoral EE technology roadmap



Implementation strategy and policy interventions

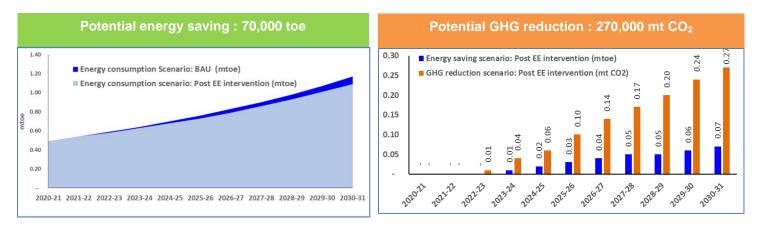
Cluster and sectoral production and SEC findings



Parameters	Jam	shedpur	Thane	Karnal	Ahmedabad	Vapi	Overall	
Production (tonne/year)	99	9,950	532,198	104,528	956,520	728,908	2,422,104	
SEC benchmarks (kgoe/ton	ne) [GJ/tonne] 11	[0.44]	66 [2.76]	47 [1.98]	151 [6.33]	141 [5.88]	119 [4.98]	

Energy efficient technologies		State of art technologies		
Energy efficient boiler system	Energy efficient thermic fluid heater	Electrical boiler	Fuel switch over/ electrification of thermic fluid heater	
Energy efficient air compressor			Install rooftop photovoltaic system	

Sectoral energy consumption and saving potential



Recommendations and way forward

Establish cluster level Energy Management Cell (EMC)

Facilitate adoption of energy and resource efficiency measures in a self-sustaining model; Help create linkages with equipment/ technology OEMs; Enable the setting of minimum efficiency and quality levels for equipment, systems and spare parts.

🕋 Crea

Create technology upgradation fund

The upgradation fund will provide MSME chemical units with access to finance for adopting energy efficient technologies; sharpening skillsets; and for setting up product development and promotion centres.



Establish common facility centre (CFC)

The CFC will provide access to highefficiency manufacturing processes and technologies, high-quality raw materials, and standard testing facilities.



Establish cluster-level skill development centres

The skill development centres will build capacities and strengthen skillsets of operators and supervisors.

Please reach us at:



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