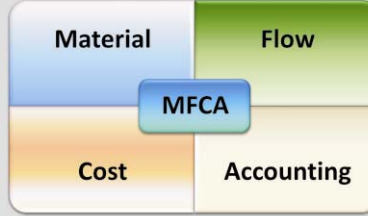




National Productivity Council

(Under Ministry of Commerce & Industry, Government of India)

E-5, GIDC ELECTRONIC ESTATE, GANDHINAGAR-382028, GUJARAT



Before MFCA Implementation	After MFCA Implementation
<p>More heat loss at the exhaust of furnace; the temperature of exhaust gases is approximate 250°C.</p> 	<p>Recovery of heat loss. Boiler was used at pickling plant. In 6 months waste heat will be used for getting temperature of chemical bath at pickling plant. Approximate 5000 SCM PNG will be saved per month which is presently consumed at boiler. The work is in progress. It is shown in the photograph.</p>
<p>More length variation in Raw material- Raw material is received with length variation of 8 to 12 meters, which is not as per company trend.</p>	<p>Small length with Less length variation is ordered. If small length is ordered, then cost will be less. If length of raw material is as per company's trend of usage then scrap in raw material will be less.</p>

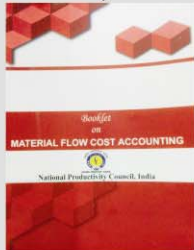
Quantity Center	Previous	Present	Type of Benefit and Quantification (Material, Energy/Resource/Environment)	Investment (Rs.)	Resource Saved	Annual Monetary Savings (Rs.)	Simple Payback Period (Days)
Heat Treatment & Lubrication	Effluent gases were released as it is in atmosphere at 250 degrees	Waste heat will be tapped to heat water for pickling department.	[Energy/Resource] Approx. 5000 SCM PNG is saved. Cost of PNG is calculated 38 Rs./SCM	200000	Natural Gas	2280000	32

Before MFCA Implementation	After MFCA Implementation
<p>Earlier defective tiles at Kiln Exit were collected in closed box</p> 	<p>It is now collected on pallet for defect analysis to reduce the Glass Pitcher loss</p> 

MFCA PROPAGATION

- NPC has conducted 48 awareness programs for MSME's on MFCA
- NPC has conducted 84 numbers of Two Days Practice Oriented Certificate Courses for MSME's on MFCA
- More than 2500 participants have been sensitized throughout India
- Till date about 56 MFCA practitioners have been certified
- Reduction of average material wastages by 3-4% in the MFCA projects undertaken by them.

As a part of MFCA propagation NPC has developed MFCA Booklets, Guide Books and Gallery.

<p>MFCA Booklet</p> 	<p>MFCA Guide Book</p> 	<p>Gallery at NPC, Gandhinagar</p> 
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