

Green Mark - Stamp for Environment-friendly Leather Manufacturing



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Green Mark – A New Concept

- **Green Mark refers to the certification of manufacturing process to demonstrate that the process is not associated with serious environmental impacts and depletion of natural resources**
- **Green Mark is the figure of “a green leaf to wrap up a clean and unpolluted earth”**



Need for Green Mark

- Growing environmental challenges calls for greener leather processing
- Change in the customer expectation from product performance to health to ethical to environmental impact
- Green Mark provides scope to use green chemistry concepts in leather processing to comply with new initiatives like carbon footprints



Green Chemistry Approach

Reducing

Waste

Materials

Hazard

Risk

Energy

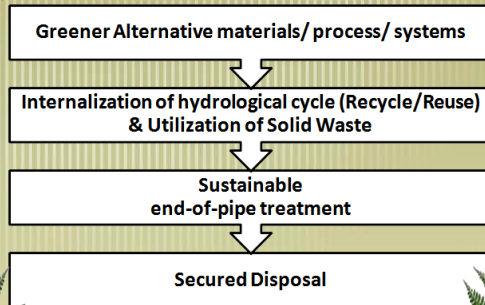
Environmental
Impact

Cost



“It is better to prevent generation of waste than to treat or clean up waste after it is formed”

Approaches Towards Green Mark



Targets close audit of chemicals, waste generated, possible technological, management interventions for waste reduction

Greener Alternatives in Chemical/Processes

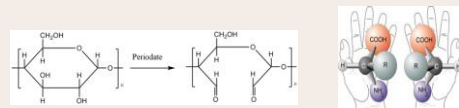
Green Preservation



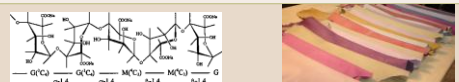
Bioprocess in beam house



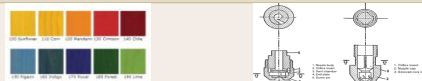
Alternative tanning materials



Cleaner post tanning



Emission free finishing

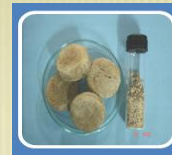


Internalization of Hydrological Cycles and Utilization of Solid Waste

- Prevention or reduction of pollution through zero liquid discharge initiatives



- Solid waste utilization: Zero solid discharge initiatives



Secured Waste Management Systems

- Technologies for waste water treatment



- Secured waste disposal



Way Forward

‘Green Mark’

**opens up great opportunities to
Indian leather sector towards attaining
“Sustainable Green Leather Industry”.**



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Thank You

