

Examples of CP potential in Industrial Sectors

DYE AND DYE INTERMEDIATE:

AREA.	UNIT	POTENTIAL OF CLEANER PRODUCTION	
		Quantity	Value (Rs)
Yield improvement	%	10-25	15000-40000
By-product recovery	Kg/T	125-200	8000-20000
Steam conservation	Kq/T	200-500	200-500
Energy conservation	KWH/T	100-300	250-750
Water conservation	m3/T	20-50	20-50
TOTAL			23470-61300

ELECTROPLATING

TOTAL		TOTAL
		Quantity Value (Rs/month)
Pretreatment		
Chemicals	200-1000 Kq/month	500-2500
Rinse water	30-300 m3/month	30-300
Electroplating		
Chemicals	20-200 Kq/month	2000-20000
Rinse water	60-500 m3/month	60-500
Post-treatment		
Chemicals	10-40 Kq/month	300-1200
Wastewater treatment		
Chemicals	1000-5000 Kq/month	8000-25000
Energy	1000-5000 KWH/month	2000-10000
TOTAL		12890-59000

PULP & PAPER

Area	Unit	General performance/ consumption range	WM potential	
			Quantity	Value (Rs/T)
Fibre	% Yield	40-44	40-100	250-600
Caustic	Kg/t	60-120	10-15	100-150
Additives	Kg/t	11-15	1-2	5-10
Steam	Kq/t	405-605	0.5-1.5	125-400
Electrical	Kg/t	850-980	60-120	150-300
Overall saving capacity	Kq/t	5-20	75-300	75-300
Water consumption	M3/t	180-280	60-120	25-50
			Total	730-1800

TANNERY

AREA	POTENTIAL
UNHAIRING AND LIMING	
Recycling lime sulphide liquor	<ul style="list-style-type: none"> • 20-50% sulphide reduction • 60% lime reduction
CHROME TANNING	
Recycling chrome tannage	10-20% chrome saving
Chrome precipitation & recovery	98% chrome recovery
FINISHING	
Direct contact applications	20-30% reduction in chemical consumption
Non-solvent finishing	100% solvent reduction
Yield improvement	2-5%

HOSIERY PROCESSING UNITS

ITEM	UNIT	POTENTIAL FOR CLEANER Production	
		QUANTITY	VALUE (In Rupees)
Production	% increase	20-30	350-500
Chemical & Dye stuffs	Kg/T	10.40%	1000-4000
Water	m ³ /T	50-100	25-50
Fuel/Coal	Kg/T	200-800	400-1600
Energy	KWH/T	30-60	100-200
Potential range : 2000-5000 Rs/Ton			

Source: <http://wmc.nic.in/faq.html>