

HO 210001b - Impact Assessment - Example

Sources: Adapted from PRE-SME, UNIDO/UNEP, GIZ REMC

Company Name: A Woven Fabric Finishing company in Pakistan		Department: Fabric Dyeing and Finishing				Completed by: Espire Consult				Date: April 12, 2021			
Sr.	Aspects	Identification of Impacts (High=3, Medium=2, Low=1, N/A=0)											Total Impact
		Results in monetary loss	Causes air Emissions (PM, Sox, NOx, CO...)	Contributes to global Warming, Ozone depletion	Increases fossil fuel use	Effects health of staff/ worker	Contributes to emergencies (fire/,explosion)	Effects relationship with customers	Lead to legal consequences or public reactions	Affects quality/ productivity	Affects working conditions and environment	Increases use of natural resources	
1.	Coal used for oil heaters is not graded leading to low combustion efficiency and pollution	3	3	3	2	2	0	2	2	0	1	2	21
2.	High excess oxygen at exhaust of thermal oil heaters	3	1	2	3	0	0	0	0	0	0	2	11
3.	No air-preheater installed at thermal oil heaters	3	0	1	3	0	0	0	0	0	0	2	9
4.	Stenter exhaust air temperature is 160°C without any heat recovery	3	0	1	2	0	0	0	0	0	0	2	8
5.	Numerous leakages found in compressed air network; moisture traps missing	3	0	1	1	0	0	0	0	1	1	1	8
6.	Steam line insulation damaged in some areas; valves uninsulated	2	0	1	1	1	0	0	0	0	1	1	7
7.	Thermal oil valves uninsulated in most areas	2	0	1	1	1	0	0	0	0	1	1	7

Resource Efficient Management of Energy (REME)

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8.	Wastewater from dyeing machines drained without heat recovery	3	0	1	1	0	0	0	0	0	0	2	7
9.	All six compressed air dryers operational; too low Dew Point meaning over-drying is taking place	2	0	1	1	0	0	0	0	0	0	1	5
10.	About 30% lights are conventional, rest already shifted to LED	1	0	1	1	0	0	0	0	0	1	1	5
11.	CRU overflow water is drained directly to ETP; can be recovered.	1	0	0	0	0	0	1	1	0	0	2	5
12.	Cooling water not recovered at Singeing machine	1	0	0	0	0	0	1	0	0	0	2	4
13.	Meters not installed at about 70 locations	1	0	1	1	0	0	0	0	0	0	0	3