

Summary Potential Saving Halawani Industry Company

Area	Annual Energy Savings			Investment Required (JD)	Pay Back Period (Years)	CO ₂ (TON/year)
	KWh/yr		Cost Savings (JD/yr.)			
	Electrical	Thermal				
Chapter 3 : Electrical System						
Power factor improvement			1,800	4,880	2.7	
Peak Demand Management			3,600	Nil	Immediate	
Chapter 4 : Lighting System						
Replacement of conventional ballast by electronic ballast for fluorescent lamps.	21,322		956	4,014	4.2	14.2
Replacement of 125 watt Hg-Mercury lamps with 70 watt high pressure sodium lamps.	2,970		133	374	2.8	2.0
Switching off unnecessary lights	3,110		139.4	Nil	Immediate	2.1
Chapter 5: Chilled water system						
install a new efficient Chiller	78,000		3,500	13,000	3.7	52.4
Chapter 6: Compressed air system						
Reducing number of cleaning holes in the Potato cleaning belt to the half	174,107		7,800	marginal	Immediate	116.7
Reducing the pressure of the compressed air used in cleaning.	23,660		1,060	marginal	Immediate	15.9
Chapter 7: Steam System						
Insulating the Un-insulated pipeline		278,623	8,956	7,672	0.86	60.3
Insulating the Un-insulated surface		315,043	10,126	1,782	0.18	68.3
Tuning-Up Halawa Steam Boiler @ Low-Fire Mode		50,000	1,580	150	0.10	10.8
Chapter 8: Solar Heating System						
Installation of a solar heating system for domestic water heating(Evacuated Tube System)	-	293,611	12,421	34,533	2.8	63.6
Total	303,169	937,277	52,071	66,405	1.3	406.4
% Saving (based on 2004 consumption)				19.5 %		