

ENERGY SAVING AT TEXTILE INDUSTRY (925 KVA)

TOTAL ENERGY CONSULTANT

SR NO	ENERGY SAVING SUGGESTION	ANNUAL SAVING IN Rs.	INVEST IN Rs.	PAYBACK PERIOD IN MONTHS
	ELECTRICAL SIDE			
1	Replace inefficient pumps	164000	45000	3.3
2	Installed VFD In variable flow and pressure application	717000	550000	9.2
3	Stop air leakage regularly	1617000	0	0.0
4	Reduce pressure setting of all compressor and shifting of compressors	1465000	0	0.0
5	Replace twin fitting with Single at Weaving	197000	nominal	
6	Replace the Electrical conventional lighting with Energy Efficient Lighting	654000	525000	9.6
7	Replace the electrical Exhaust fan with the Turbine Air ventilating Systems	701000	202000	3.5
8	Replace Cooling Fan For panel cooling with YDM	164000	140000	10.2
	TOTAL	5679000	1462000	3.1
	THERAML SIDE			
1	Maintain Condensate PP pump properly	475000	0	0.0
2	insulate steam distribution equipment	15000	10000	8.0
3	Reuse the cooling water Of Jet and Soft Flow in Process Instead of raw water.	400000	50000	1.5
4	Insulate The Main Body & Heat exchanger of The Jet, Yarn dyeing & Soft Flow	200000	132000	7.9
5	Install Automatic O2 Controller in Boiler and Thermopac	1201000	250000	2.5
6	Use pat coke in the boiler instead of wood	5363000	600000	1.3
	TOTAL	7654000	1042000	1.6

