

EXECUTIVE SUMMARY

TYPE OF INDUSTRY	TEXTILE PROCESS
CONTRACT DEMAND	475 KVA

SR NO	ENERGY SAVING SUGGESTION	ANNUAL SAVING IN Rs.	INVEST IN Rs.	PAYBACK PERIOD IN MONTHS
1	Make contract demand 600 kva	220000	-	-
2	Make some motors in star connection	51000	Negligible	
3	Inter-lock rotary printing tube lights	18000	Negligible	
4	Service compressor -1	118000	25000	2.54
5	Service compressor-2	59000	25000	5
6	Stop air leakages regularly	295000	Negligible	
7	Install reciprocating ON-OFF compressor instead of load-unload compressor	139000	70000	6
8	Replace un efficient 62 hp borewell pumps	226000	110000	5.84
9	Replace un efficient ETP pumps	107000	100000	11.2
10	Install auto stop fresh water valve in all rotary m/c	72000	14000	2.35
11	Stop running wash in jet m/cs	51500	Negligible	
12		106000	25000	2.83
13	Install inverter drive on jet pump	265000	160000	7.24
14	Install inverter on calender	170000	90000	6.35
15	Install inverter drive on stenter' s C.F.	730000	450000	7.4
16	Inter-lock piling motor of jet	3000	Negligible	
17	Replace electric heating by oil heating in Rotary screen exposing m/cs	138000	100000	8.7
18	Provide chamber fan connection with tockle switch in F.B. printers.	98000	Negligible	-
	Total	2866000	1169000	4.89
	THERMAL SIDE			
1	Crush lignite manually to 1.5" – 2" in steam boiler.	420000	Negligible	Negligible
2	Improve combustion efficiency	225000	250000	13.3
3	Replace faulty steam traps.	344000	75000	2.6
4	Improve condensate / flash steam recovery system.	926000	250000	3.3
5	Insulate boiler/steam connected equipments listed	133000	24000	2.15
6	Feed lignite 1.5" – 2" by manual crushing in oil boiler.	382000	Negligible	Negligible
7	Improve combustion efficiency in thermopac.	268000	250000	11.2
8	Install air preheater in thermopac	638000	200000	3.76
9	Insulate the thermic fluid connected equipment listed	73000	28000	4.57
10	Provide chamber fan connection with tockle switch in F.B. printers.	221000	Negligible	-
	Total	3630000	1077000	3.56