

ENERGY SAVING AT CHEMICAL INDUSTRY (400 KVA)

**TOTAL
ENERGY
CONSULTANT**

SR NO	ENERGY SAVING SUGGESTION	ANNUAL SAVING IN Rs.	INVEST IN Rs.	PAYBACK PERIOD IN MONTHS
	ELECTRICAL SIDE			
1	Use one pump at old GP cooling tower	390000	25000	0.8
2	Stop air leakage regularly	967000	0	0.0
3	Reduce Pressure setting at New GP compressor	88000	0	0.0
4	Installed VFD at some compressors	570000	450000	9.5
5	Separate VAM-1 cooling tower with R.O. water	868000	0	0.0
6	use electronic ballast in FTL			
7	Insulate hot blade of pultrusion	1106000	100000	1.1
8	Replace air pump with electric gear pump	361000	330000	11.0
9	Install interval timer at ETP root blower	237000	0	0.0
10	Stop two thermopac at new GP	2738000	500000	2.2
	TOTAL	7325000	1405000	2.3
	THERMAL SIDE			
1	Reduce blow down in both boiler	247000	0	0
2	Control O2 in combustion in steam boiler	778000	0	0.0
3	Stop 2 TPH boiler	825000	0	0.0
4	Insulate steam distribution equipment	69000	15000	2.6
5	Control O2 in combustion in thermopacs	1014000	60000	0.7
6	Stop two 15 lac kcal thermopac at new GP	1155000	0	0.0
	TOTAL	4088000	75000	0.2

