

## A CASE STUDY ON

# WASTE HEAT RECOVERY SYSTEM (ECONOMISER)

<b>CLIENT :</b>	<b>LUPIN LIMITED</b>
Location	124, GIDC Estate, Ankleshwar 393002 Phone , 02646-304259, Gujarat
Commissioned on	2013
Type	Finned Tube
<b>DESIGN PARAMETERS :</b>	
Water in temperature	75°C
Water out temperature	115°C
Flue gases inlet temperature	240°C
Flue gases out temperature	125°C
Water flow rate	10000 kg/hr



EVALUATION	
Heat Duty Associated (Kcal/hr)	400000
Fuel Type	Natural Gas
Fuel CV (net) Kcal/Kg	11000
Fuel Saving (kg/hr)	36.36
Fuel savings per Year (kg/year)	2,90,909
COST SAVING DUE TO ECONOMISER	
Fuel Cost (INR/Kg)	14
Savings per Year in INR	<b>Rs. 40,72,726</b>

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