

A CASE STUDY ON AIR PRE HEATER

CLIENT:		SESA GOA	
Location	Sesa Goa Amona Goa,		
Commissioned on	June 2012		
Type	Plain Tube		
PROCESS DATA:			
	APH	BFPH	
Flue Gas flow (nm ³ /hr)	25352	25000	
Flue Gas Inlet temp. (°C)	300	242	
Flue Gas Outlet temp. (°C)	242	150	
Process air flow (nm ³ /hr)	10218	14800	
Process air Inlet temp. (°C)	35	35	
Process air Outlet temp. (°C)	202	170	



EVALUATION		
	APH	BFGPH
Heat Duty (kcal/hr)	531833	837565
Fuel Type	BF GAS	
CV of Fuel (kcal/nm ³)	700	700
Fuel Saving (nm ³ /hr)	760	1196
Total Fuel Saving/year (nm ³ /year)	6080000	9568000
Fuel Cost (INR/nm ³)	0.5	0.5
Savings per Year in INR	30,40,000	47,84,000
Total Savings Per Year in INR	Rs. 78,24,000	

Corporate Office: 1st floor, Goodwill House, opp Audi Showroom, Senapati Bapat Road, Pune - 411016.

Tele / Fax No: 020-2566 7172 / 25677855 Email: marketing@esteemindia.com

Factory Address: Plot No. 12, 14, Gat No. 1452/1, Bhimashankar Co op Industrial Estate, At Post Pargaon Peth, Pune - nashik Highway, Tal Ambegaon, Dist - Pune, Pin - 410512. Tele / Fax No: 02133 - 281555

