


Energy Conservation Measure implemented in 2006-2007

(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Recovery of waste heat by using flash vapour through Condensate Cigar	Sector	Sugar
Year to be filled by BEE		Technology	Utilization of Flash Vapour
<p><u>Description of the energy conservation measure:</u></p> <p>A Condensate Cigar along with Plate type Heat Exchanger (PHE) was installed to utilize the waste heat of excess condensate by using flash vapours. Further, PHE facilitated to recover extra heat going along with exhaust condensate to boiler feed water tank. This has stopped the usages of 9 ata steam which was required for super heating the wash water (up to 115° C) during centrifugal operation.</p> <p>Investment made – 71.32 lakh, cane crushed – 702342 ton, Steam saved – 2.2% cane (i.e. 15451.52 ton LP steam ≈ 12361.22 ton HP steam). Power generated from saved steam = $12361.22 \div 4 = 3090.31 \text{ MWh}$ Revenue earned = $3090.31 \times 29200 = \text{Rs } 90.24 \text{ Lakh}$</p>			
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification	
N.A.			
Agency that executed the project : M/s Spray Engineering Devices Ltd., SCO No.352, Panchkula – 134109, HARYANA Tel. 0172-5066555, fax - 5066559			
Total investment, Rs.:71.32 Lacs		Year of implementation:2006-07	

First year energy cost savings, Rs. 90.24 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Steam % Cane
Energy consumption before	N.A.	N.A.	N.A.	N.A.	44.86
Energy consumption after	N.A.	N.A.	N.A.	N.A.	42.66
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	N.A.	N.A.	N.A.	N.A.	2.92/Kwh
Company complete address: HAIDERGARH CHINI MILLS (A Unit of Balrampur Chini Mills Ltd.) Village : Pokhra, Haidergarh, District : Barabanki (U.P.) Contact person who could be contacted for more information: Yogesh Kumar Singh, DGM(Production) cell no. 09935507723				We authorise Bureau to use this information for dissemination Signature Date: 22.10.07	

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2006-2007 and a CD containing the above information may please be enclosed.