



Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Reduction of LP steam consumption	Sector : Rayon Grade Pulp			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: 1) Warm water from surface condenser is being heated through wide gap plate type heat exchanger using hot foul condensate, to generate clean hot water which is used in bleach plant. Back washing system is provided along with self cleaning filters.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
			New Wide gap free flow plate heat exchanger	Self cleaning Filters	
Agency that executed the project (with complete address and email):					
Total investment, Rs.:30.0 lacs			Year of implementation: April'2007		
First year energy cost savings, Rs.8.6 lacs					
First year other savings, Rs.					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	LP steam
Energy consumption before					6TPH
Energy consumption after					4.5TPH
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address: BILT, Unit-A.P.Rayons , Kamalapuram , Warangal – AP Pin - 506172				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: U.S.Gandhi , Energy Manager				Signature	
				Date 20.10.2007	

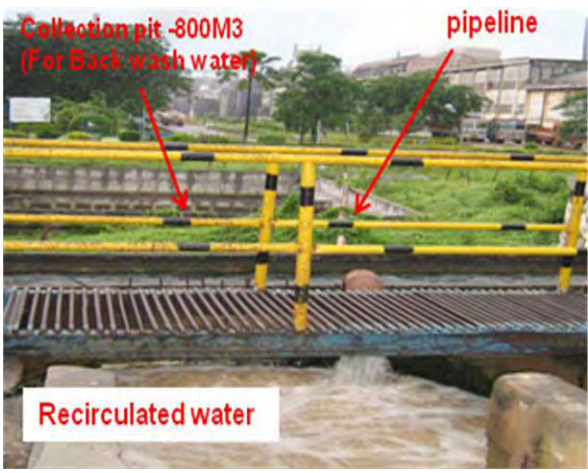
Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Reduction of LP steam consumption	Sector: Rayon Grade pulp			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Usage of digester foul condensate in causticizing plant to reduce LP steam consumption					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.:1.1 lacs			Year of implementation:2006-07		
First year energy cost savings, Rs.6 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	LP steam
Energy consumption before					4TPH
Energy consumption after					3.5TPH
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address: Contact person who could be contacted for more information: U.S.Gandhi				We authorise Bureau to use this information for dissemination Signature Date 20.10.07	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Reduction of LP steam consumption	Sector			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Reduced LP steam consumption by using CBD water of coal boiler in bleach plant					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
Agency that executed the project (with complete address and email):					
Total investment, Rs.:1.5 lacs	Year of implementation:				
First year energy cost savings, Rs.:6 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	LP steam
Energy consumption before					4.5 TPH
Energy consumption after					4TPH
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address:				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: U.S.Gandhi				Signature	
				Date 20.10.07	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Water conservation	Sector			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Recovering Back wash water by taking it into newly constructed pit at Clarifloculators in water treatment plant.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.:9.0 lacs			Year of implementation:2006-07		
First year energy cost savings, Rs.: 13.8 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	water
Energy consumption before					7.7 lac M3
Energy consumption after					0
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address:				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: U.S.Gandhi				Signature	
				Date 20.10.07	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Water conservation	Sector			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Using treated effluent water for hydrant, gardening , floor cleaning , sprinklers of coal yard & wood yard					
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification			
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.:2.6 lacs			Year of implementation:2006-07		
First year energy cost savings, Rs.: 6.48 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Water
Fresh water before					3.6 lac M3
Treated water after					3.6 lac M3
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address:				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:U.S.Gandhi				Signature	
				Date 20.10.07	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Water conservation	Sector			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Cooling water of FBC ID fan and boiler feed water pumps diverted to cooling towers					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email):					
Total investment, Rs.:0.45 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 0.46 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Water
Fresh Water before					0.26 lac M3
Diverted to after					0
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address:				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:U.S.Gandhi				Signature	
				Date 20.10.07	

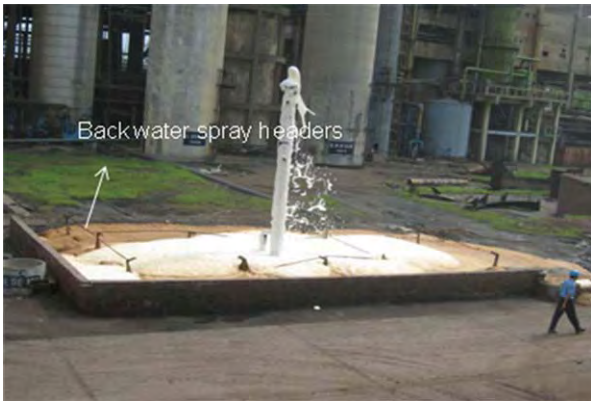
Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Water conservation	Sector
Year to be filled by BEE		Technology
Description of the energy conservation measure: Cooling water of rectifier transformers diverted to cooling towers.		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email):		
Total investment, Rs.: 0.48 lacs	Year of implementation: 2006-07	
First year energy cost savings, Rs.:0.42 lacs		
First year other savings, Rs.:		
On annual basis	kWh 000'	Coal (Tons)
Fresh water before		Gas Nm ³
Diverted to cooling tower after		Oil (kL)
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		Other
Company complete address:	We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:U.S.Gandhi	Signature	
	Date 20.10.07	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector			
Year to be filled by BEE			Technology			
Description of the energy conservation measure: Replaced fresh water with hypo back water for EoP repulper dilution						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
						
Agency that executed the project (with complete address and email):						
Total investment, Rs.: Nil			Year of implementation: 2006-07			
First year energy cost savings, Rs.: 1.5						
First year other savings, Rs.:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Water	
Fresh water before					0.84 lac M3	
Fresh water after					0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...						
Company complete address:				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: U.S. Gandhi				Signature		
				Date 20.10.07		

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector			
Year to be filled by BEE			Technology			
Description of the energy conservation measure: Replaced fresh water with back water for CD foam showers						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
						
Agency that executed the project (with complete address and email):						
Total investment, Rs.: Nil			Year of implementation: 2006-07			
First year energy cost savings, Rs.: 0.25 lacs						
First year other savings, Rs.:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	water	
Fresh water before					0.14 lac M3	
Fresh water after					0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...						
Company complete address:				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: U.S. Gandhi				Signature		
				Date 20.10.07		

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector			
Year to be filled by BEE			Technology			
Description of the energy conservation measure: Replaced fresh water usage by using machine backwater in 2 top sprays of bleach decker						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
						
Agency that executed the project (with complete address and email):						
Total investment, Rs.: 0.9 lacs			Year of implementation: 2006-07			
First year energy cost savings, Rs.: 1.5 lacs						
First year other savings, Rs.:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Water	
Fresh water before					0.84 lac M3	
Fresh water after					0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...						
Company complete address:				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information:U.S.Gandhi				Signature		
				Date 20.10.07		