



Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector Pulp and Paper.			
Year to be filled by BEE	Installation of energy efficient continuous lo solids cooking system.	Technology : Imported			
<p>Description of the energy conservation measure:</p> <p>The Mill follows kraft pulping process and has 13 numbers of very and less efficient batch digesters. Pulp is produced in batches. The cooked pulp is blown and has blow heat recovery system to recover and reutilize the heat. The system requires high quantity of specific steam for producing the pulp.</p> <p>These thirteen numbers of digesters were replaced with a single large digester of continuous lo solids cooking system. In the system cooking of pulp is done is carried out continuously. Blowing of pulp at high pressure and temperature is not required. On line equipment are provided for cooking, cooling and one stage of washing in one digester which resulted in reduction of specific steam consumption.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Not Available					
Agency that executed the project (with complete address and email): M/s. Andritz OY, Finland; e-mail: jorma.olkkonen@andritz.com; Contact person: Mr. Jorma					
Total investment, Rs.: 4946 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 138 Lakhs					
First year other savings, Rs.: Nill					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before		21343			
Energy consumption after		12071			
Energy tariff, Rs/ kWh/ Ton/ Nm³/ kL		1488			
Company complete address: The Andhra Pradesh Paper Mills Limited Rajahundry – 533 105 , East Godavari District. Andhra Pradesh.				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. PK Suri, President (Operations)				Signature Date: 16.10.2007	

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ID to be filled by BEE	Title of the measure Installation of energy efficient TG set.	Sector Pulp and Paper.			
Year to be filled by BEE		Technology : Imported			
Description of the energy conservation measure:					
<p>The mill has boilers and TG sets operating at 32 kg/cm² (g) pressure and 420 ° C. Specific power generation from the double extraction cum condensing TG set was 90 kwh/T.</p> <p>The mill has installed chemical recovery boiler which generates steam at 64 kg/cm²(g) pressure and 460° C. A new 34 MW installed for this steam conditions generates specific power of 130 kwh/T. This resulted in increased power generation and reduction in grid power drawl.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Not Available					
Agency that executed the project (with complete address and email): M/s. Shin Nippon Machinery, Japan / Toyo Denke Power Systems, Bangalore; e-mail: nikhil@tdps.in; Contact person: Mr. Nikhil Kumar, Director					
Total investment, Rs.: 3243 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 351 Lakhs					
First year other savings, Rs.: Nill					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy generation before	25342				
Energy generation after	37437				
Energy tariff, Rs/ kWh/ Ton/ Nm³/ kL	2.91				
Company complete address: The Andhra Pradesh Paper Mills Limited Rajahundry – 533 105 , East Godavari District. Andhra Pradesh.				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. PK Suri, President (Operations)				Signature Date: 16.10.2007	