




Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure E2 stage in Bleached Section	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<p>Description of the energy conservation measure: In Pulp mill, E2 stage has been bypassed for seeing whether any impact in quality or not. Later it was observed that, the same brightness has been maintained without E2 stage in line. Pumping power & processed water has been reduced substantially.</p>					
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.: 0.50 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 29.53 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before per day	5				
Energy consumption after per day	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 1.79				
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination Signature Date: 19.10.2007	
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER					


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Fitting of lower size motor 132 KW in 431-71 bleached stock pump, earlier was 250 KW, Pulp Mill	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Electrical			
Description of the energy conservation measure: In Pulp Mill, 431-71 bleached stock pump was oversized. It was replaced with 132 KW motor, earlier was 250 KW. And thereby reduced power 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.: 0.40 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 6.28 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before per day	1.19				
Energy consumption after per day	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 1.79				
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ID to be filled by BEE	Title of the measure Installation of De-superheating valve for supplying of MP & LP steam instead of desuperheated by DS pump, Utility	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
Description of the energy conservation measure: MP steam was supplied to Digester & Recovery boiler through PRDS –I. Water was added after pressure reduction for achieving 220 °C by a De-Superheating pump having 75 KW motor. A Capital Scheme was taken to provide a De-Superheating valve for reduction of pressure as well as temperature. It was commissioned in July'2006 and found satisfactory.					
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.: 7.00 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 5.30 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before per day	1				
Energy consumption after per day	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 1.79				
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination Signature Date: 19.10.2007	
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER					

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ID to be filled by BEE	Title of the measure Installation of auto on / off switch for cooling tower fans 4 nos, Utility	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Electrical			
Description of the energy conservation measure: Earlier CT fan was stopped manually for maintaining CT basin water temperature and saving of power. A Capital Scheme was taken to install auto on / off in PLC with one CT fan having VFD. It was successfully commissioned in July'2006.					
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.: 6.00 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 1.85 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before per day	0.349				
Energy consumption after per day	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 1.79				
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER				Signature	
				Date: 19.10.2007	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Re-using of Paper Machine Air Conditioning water (Utmal Thyristor) in Utility cooling tower				Sector : Pulp & Paper	
Year to be filled by BEE					Technology : Process	
<p>Description of the energy conservation measure: In Paper Machine Utmal Thyristor AC water was taken to warm water tank and it was re-utilising as processed water. Sometimes warm water tank found overflowing due to beyond pumping capacity. So, it was taken to cooling tower of Utility for re-utilization and stopping of overflowing.</p>						
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.: 0.05 Lakhs			Year of implementation: 2006-07			
First year energy cost savings, Rs. 0.38 Lakhs						
First year other savings, Rs.:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Water (KI)	
Energy consumption before per day					500	
Energy consumption after per day					0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					2.52	
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER				Signature Date: 19.10.2007		


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Both Machines (Utmal & Jessop) gear cooling & oil chamber cooling water diverted to warm water tank	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
Description of the energy conservation measure: Earlier both machines gear cooling and oil chamber cooling water was going to surface drain. It was diverted to warm water tank for re-utilization.					
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.: 0.10 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 0.38 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Water (KI)
Energy consumption before per day					500
Energy consumption after per day					0
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					2.52
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER				Signature	
				Date: 19.10.2007	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure In Utmal Machine – warm water tank pump discharge line connected to mill water header		Sector : Pulp & Paper			
Year to be filled by BEE			Technology : Process			
Description of the energy conservation measure: Like Jessop Machine, warm water tank pump discharge line was connected to Utmal machine mill water line for reduction of water 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.: 0.10 Lakhs			Year of implementation: 2006-07			
First year energy cost savings, Rs. 0.22 Lakhs						
First year other savings, Rs.:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Water (KI)	
Energy consumption before per day					300	
Energy consumption after per day					0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					2.52	
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Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER						

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Using of Utmal machine Main Condensate collection tank vent steam for false sealing ventilation				Sector : Pulp & Paper
Year to be filled by BEE					Technology : Process
<p>Description of the energy conservation measure: In Utmal Machine vent steam was going to atmosphere from main condensate collection tank. During CPPRI energy audit in Dec'2006, it was decided to use this steam in false sealing ventilation. Line erected and commissioned in Feb'2007.</p>					
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.: 0.20 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 15.08 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other LP Steam (MT)
Energy consumption before per day					17
Energy consumption after per day					0
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					405.92
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER				Signature Date: 19.10.2007	