


### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	Title of the measure <b>Interconnection of Disc Save all filtrate transfer pump 101 &amp; 102 in Paper machine</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<p><b>Description of the energy conservation measure:</b>          In Paper machine, two disc save all transfer pumps 101 &amp; 102 were running separately for both machines. It was interconnected and two motors having capacities 30 KW each have been able to stop.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: 0.10 Lakhs			Year of implementation: 2007-08		
First year energy cost savings, Rs. 4.91 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before per day	0.936	--	--	--	--
Energy consumption after per day	0	--	--	--	--
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 1.59	--	--	--	--
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: 04.10.2008	

**Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2007-2008 and a CD containing the above information may be please be enclosed.**

### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	Title of the measure <b>Auto mode running of Paper (Jessop) machine re-pulper agitator</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<p><b>Description of the energy conservation measure:</b>          In Paper (Jessop) machine, re-pulper agitator, which is having 160 KW, motor running continuously. It was observed that running is necessary during paper break. So, auto mode running with paper break was made.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: Nil			Year of implementation: 2007-08		
First year energy cost savings, Rs. 2.92 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before per day	0.560	--	--	--	--
Energy consumption after per day	0	--	--	--	--
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 1.59	--	--	--	--
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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	Title of the measure <b>Auto mode running of Paper (Jessop) machine press pit agitator</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<p><b>Description of the energy conservation measure:</b>          In Paper (Jessop) machine, Press pit agitator (both one), which each is having 30 KW, motor running continuously. It was observed that running is necessary during paper break. So, auto mode running for both one with paper break was made</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: Nil			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 2.72 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before per day	0.520	--	--	--	--
Energy consumption after per day	0	--	--	--	--
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 1.59	--	--	--	--
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				Date: 04.10.2008	

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### Energy Conservation Measure implemented in 2007-2008


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ID to be filled by BEE	Title of the measure <b>Fitting of 110 KW motor in Paper (Utmal) machine PV air fan</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Electrical			
<b>Description of the energy conservation measure:</b> In Paper (Utmal) machine PV air fan, 160 KW motor was fitted earlier. Load was measured and running with 65% load. It was replaced with 110 KW motor.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: 0.25 Lakhs			Year of implementation: 2007-08		
First year energy cost savings, Rs. 3.24 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before per day	0.619	--	--	--	--
Energy consumption after per day	0	--	--	--	--
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 1.59	--	--	--	--
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: 04.10.2008	
Contact person who could be contacted for more information: MR. BIJAY KUMAR DASH, ENERGY MANAGER					

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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	Title of the measure <b>Utilization of save all filtrate water in chemical preparation solution of Paper machine</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<b>Description of the energy conservation measure:</b> In Paper Machine fresh mill water has been used for chemical preparation solution. As save all filtrate was in excess, it was decided to use this in chemical preparation. Pipeline erected and about 120 KI per day fresh mill water was saved.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: 0.20 Lakhs			Year of implementation: 2007-08		
First year energy cost savings, Rs. 0.10 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other Water (KI)
Energy consumption before per day	--	--	--	--	120
Energy consumption after per day	--	--	--	--	0
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	--	--	--	--	2.29
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: 04.10.2008	

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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	Title of the measure <b>Fitting of gang filter in Paper (Utmal) machine wire shower</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<b>Description of the energy conservation measure:</b> In Paper (Utmal) machine, fresh water has been used in wire shower. For water conservation measure, it was decided to use save all filtrate in wire shower. So gang filter was fitted to reduce clogging in wire shower. About 300 KI per day fresh mill water was saved.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: 1.10 Lakhs			Year of implementation: 2007-08		
First year energy cost savings, Rs. 0.22 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other Water (KI)
Energy consumption before per day	--	--	--	--	300
Energy consumption after per day	--	--	--	--	0
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	--	--	--	--	2.29
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### Energy Conservation Measure implemented in 2007-2008


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ID to be filled by BEE	Title of the measure <b>Regulation of drinking water through overhead tank by installing a separate pipeline</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<b>Description of the energy conservation measure:</b> Underground pipeline was erected earlier for supply of drinking water to Township. Due to corrosion, many leakages were developed and all three pumps have to run continuously for getting water in quarters. It was decided to install a separate pipeline from pump house to overhead tank and distribution pipeline to household for increasing pressure and stopping of pumps for power conservation					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: 44 Lakhs			Year of implementation: 2007-08		
First year energy cost savings, Rs. 0.28 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other Water (KI)
Energy consumption before per day	--	--	--	--	350
Energy consumption after per day	--	--	--	--	0
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	--	--	--	--	2.29
Company complete address: NAGAON PAPER MILL P.O.: KAGAJNAGAR JAGIROAD. ASSAM . PIN: 782 413				We authorise Bureau to use this information for dissemination	
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				Date: 04.10.2008	

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ID to be filled by BEE	Title of the measure <b>Using of Paper (Jessop) machine Main Condensate collection tank vent steam for false sealing ventilation</b>	Sector : Pulp & Paper			
Year to be filled by BEE		Technology : Process			
<p><b>Description of the energy conservation measure:</b>          In Paper (Jessop) 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 July'2007.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Department					
Total investment, Rs.: 0.20 Lakhs			Year of implementation: 2007-08		
First year energy cost savings, Rs. 15.08 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other LP Steam (MT)
Energy consumption before per day	--	--	--	--	17
Energy consumption after per day	--	--	--	--	0
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	--	--	--	--	405.92
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