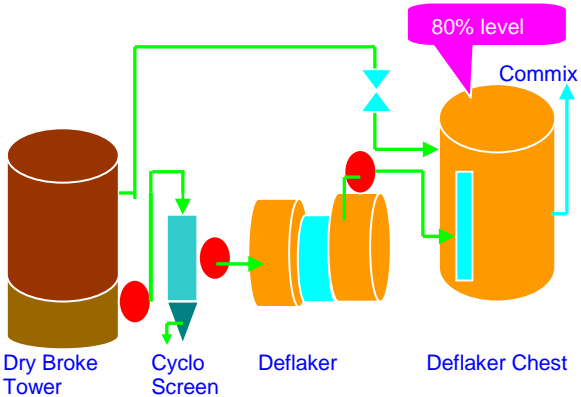
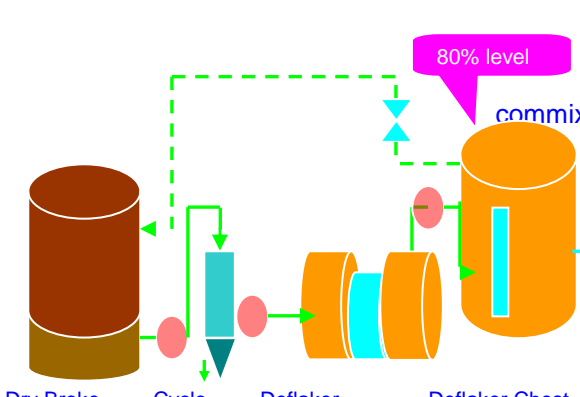


Energy Conservation Measure implemented in 2007-2008

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

ID to be filled by BEE	Title of the measure DEFLAKER CHEST LEVEL INTERLOCK	Sector ... Pulp & Paper			
Year to be filled by BEE		Technology			
<p>Description of the energy conservation measure: In the waste paper based street the Deflaker Chest was interlocked such that on reaching 80% level, the material was transferred to dry broke tower through a re - circulation line. The interlocks were modified such that on reaching the level the material feed arrangement is stopped. The savings are due to stoppage of 4 nos Motors.</p>					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
DEFLAKER CHEST LEVEL INTERLOCK (WASTE PAPER STREET) 	DEFLAKER CHEST LEVEL INTERLOCK (WASTE PAPER STREET) 				
Agency that executed the project (with complete address and email):					
Total investment, Rs.: nil	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 1.47 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	882000	-	-	-	-
Energy consumption after	812000	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	2.10	1850/t	-	22500/t	-
Company complete address: Century pulp and paper ghanshyam dham lalkua nainital uttarakhand				We authorise Bureau to use this information for dissemination Signature Date 08/09/2008	
Contact person who could be contacted for more information:					

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

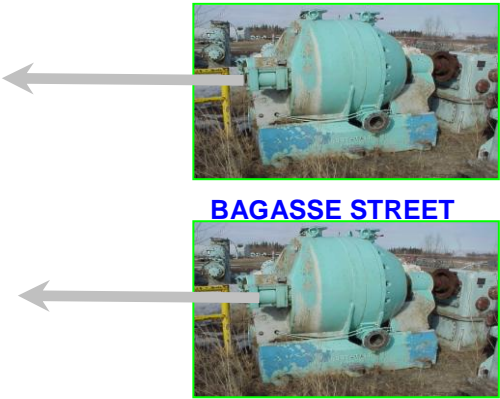
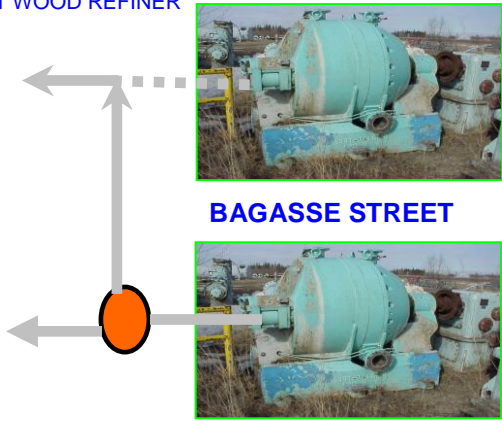
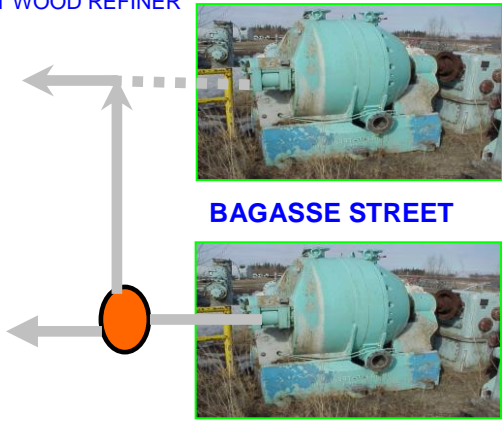
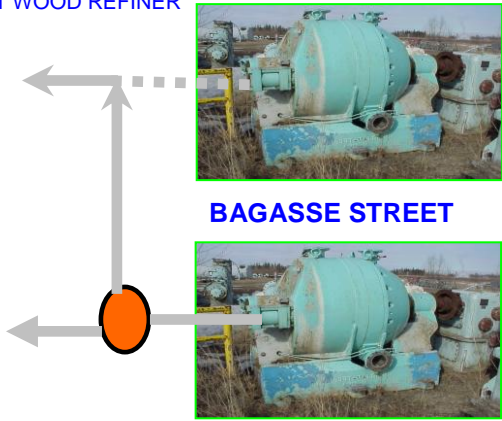
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Replacement of Worm & Pinion Gear Box with helical gear motor	Sector Pulp & Paper			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: In Effluent Treatment Plant there are 40 nos. aerators driven by worm & pinion gear arrangement system The efficiency of this arrangement was approx 60%. This system is replaced by more efficient geared motor of NORD, Germany make with an efficiency of approx 80%.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
<p style="text-align: center; color: blue;">WORM & PINION GEAR ARRANGEMENT</p> 	<p style="text-align: center; color: blue;">HELICAL GEARED MOTOR</p> 				
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 70 lacs	Year of implementation: 2007-08				
First year energy cost savings, Rs.: nil					
First year other savings, Rs.: 21.8 lacs					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	3591600	-	-	-	-
Energy consumption after	2553504	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	2.10/kwh	1850/t	-	22500/t	-
Company complete address: Century pulp and paper ghanshyam dham lalkua nainital uttarakhand				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
				Date 08/9/2008	

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 Utilization of waste paper based refining system for bagasse street	Sector Pulp & Paper			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: The requirement of soft wood pulp of bagasse street & waste paper based street were being met by operating the individual refiner systems .We observed that the waste paper based refining system was operating at 50% only. Necessary modifications were done to utilize the waste paper based refining system for bagasse street also and stop the bagasse refiner.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
<p style="color: blue; font-weight: bold;">SOFT WOOD REFINER</p>  <p style="color: blue; font-weight: bold;">BAGASSE STREET</p>  <p style="color: orange; font-weight: bold;">WASTE PAPER STREET</p>	<p style="color: blue; font-weight: bold;">SOFT WOOD REFINER</p>  <p style="color: blue; font-weight: bold;">BAGASSE STREET</p>  <p style="color: orange; font-weight: bold;">WASTE PAPER STREET</p>				
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 8.5 Lacs	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 5.24Lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	275870	-	-	-	-
Energy consumption after	26346	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	2.10/kwh	1850/t	-	22500/t	-
Company complete address: Century pulp and paper ghanshyam dham lalkua nainital uttarakhand				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
				Date 8/92008	

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.