




Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....
Year to be filled by BEE	Condensate Recovery by installing Pressured Power Pump	Technology
<p>Description of the energy conservation measure:</p> <ul style="list-style-type: none"> ▪ Installation of Pressured Power Pump. <ul style="list-style-type: none"> - Recovery of condensate at 85 °c. - DM water recovery <p>Project summary: In monetary terms the saving potential is Rs. 6.2 lacs / annum. The project cost for EE improvement is Rs 5.25 lacs having simple pay back 16 months.</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.: 5.25 Lacs	Year of implementation: 2006	
First year energy cost savings, Rs.: 6.2 lacs (Expected saving in 2006) implemented in July 2006.		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
	Gas Nm ³	Oil (kL)
		Other
Energy consumption before		
Energy consumption after		
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		16820
Company complete address: Self		We authorise Bureau to use this information for dissemination Signature Date
Contact person who could be contacted for more information:		


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....
Year to be filled by BEE	Installation of Zero air loss automatic moisture drain valve and reduced air loss.	Technology
<p>Description of the energy conservation measure:</p> <ul style="list-style-type: none"> ▪ Installation of Zero air loss automatic moisture drain valve. <ul style="list-style-type: none"> - Reduction of air loss. - Reduction of power consumption due to air loss. <p>Project summary: In monetary terms the saving potential is Rs. 2.6 lacs / annum. The project cost for EE improvement is Rs 1.8 lacs having simple pay back 8.5 months.</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.: 1.8 lacs	Year of implementation: 2006	
First year energy cost savings, Rs.: 2.6 lacs.		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
	Gas Nm ³	Oil (kL)
	Other	
Energy consumption before		
Energy consumption after		
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		
Company complete address: Self Contact person who could be contacted for more information:		We authorise Bureau to use this information for dissemination Signature Date


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....
Year to be filled by BEE	Reduction of Generation Frequency at CPP	Technology
<p>Description of the energy conservation measure:</p> <ul style="list-style-type: none"> ▪ Reduction of generation frequency at CPP. <ul style="list-style-type: none"> - Reduction of power consumptions by 2 %. - No process delayed due to frequency reduction. <p>Project summary: In monetary terms the saving potential is Rs. 25.6 lacs (implemented in July 2006). There is no project cost for the same.</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.: Nil	Year of implementation: 2006	
First year energy cost savings, Rs.: 25.6 lacs		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before	59548.00	
Energy consumption after	58959.00	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.36	
Company complete address: Self Contact person who could be contacted for more information:		We authorise Bureau to use this information for dissemination Signature Date


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure NDCT Replace by IDCT	Sector ...Chemical.....			
Year to be filled by BEE		Technology			
Description of the energy conservation measure:					
<ul style="list-style-type: none"> ▪ Replacements of Natural draft cooling tower to Induced draft cooling tower. <ul style="list-style-type: none"> - Reduction of water consumption by avoiding drift losses. - Reductions of pump operating pressure. - Installation of energy efficient motor. - Installation of CT EN saver <p>Project summary: Reduction of energy consumption by 26.6 %. In monetary terms the saving potential is Rs. 4.5 lacs / annum. The project cost for EE improvement is Rs 6.0 lacs having simple pay back 16 months.</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.: 6.0 Lacs		Year of implementation: 2006			
First year energy cost savings, Rs.: 4.5 lacs					
First year other savings, Rs.: 8.4 Lacs (Reduction of Water consumption by replacing NDCT to IDCT)					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	376				
Energy consumption after	276				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.5				
Company complete address:				We authorise Bureau to use this information for dissemination Signature Date	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....			
Year to be filled by BEE	Installed Energy Efficient Motor	Technology			
Description of the energy conservation measure:					
<ul style="list-style-type: none"> ▪ Installation of energy efficient motor and reduced power consumption 					
Project summary: In monetary terms the saving potential is Rs. 3.40 lacs / annum. The project cost for EE improvement is Rs 3.25 lacs having simple pay back 11.5 months.					
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.: 3.25 lacs	Year of implementation: 2006				
First year energy cost savings, Rs.: 3.40 lacs.					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	2028				
Energy consumption after	1950				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.36				
Company complete address: Self				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
				Date	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....
Year to be filled by BEE	Stopped Cooling tower pumps 160 HP as per process requirement	Technology
<p>Description of the energy conservation measure:</p> <ul style="list-style-type: none"> ▪ Stopped Cooling tower pumps 160 HP as per process requirement <ul style="list-style-type: none"> - Stopped 4 nos of pumps - Reduction of power consumption <p>Project summary: In monitory terms the saving potential is Rs. 29.9 lacs / annum. There is no project cost for the same.</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.: Nil	Year of implementation: 2006	
First year energy cost savings, Rs.: 29.9 lacs.		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before	687	
Energy consumption after	0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.36	
Company complete address: Self	We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:		


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....
Year to be filled by BEE	Waste heat recovery from lube oil in CPP.	Technology
<p>Description of the energy conservation measure:</p> <ul style="list-style-type: none"> ▪ Waste heat recovery from lube oil in CPP <ul style="list-style-type: none"> - Recovery heats of hot water to heat lube oil. - Reduction of oil consumption. <p>Project summary: In monitory terms the saving potential is Rs. 2.9 lacs / annum. The project cost for EE improvement is Rs 1.72 lacs having simple pay back 7.1 months.</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.: 1.72 lacs	Year of implementation: 2006	
First year energy cost savings, Rs.: 2.9 lacs.		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
	Gas Nm ³	Oil (kL)
Energy consumption before		
Energy consumption after		
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		
Company complete address: Self	We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:		


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....			
Year to be filled by BEE	Installed un-cooled nozzle instead of cooled nozzle	Technology			
Description of the energy conservation measure:					
<ul style="list-style-type: none"> ▪ Installed un-cooled nozzle instead of cooled nozzle. <ul style="list-style-type: none"> - Stopped nozzle temperature cooler unit. - Reduced electrical consumption by stopping electrical heater. <p>Project summary: In monetary terms the saving potential is Rs. 2.3 lacs / annum. The project cost for EE improvement is Rs 1.85 lacs having simple pay back 9.6 months.</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.: 1.85 lacs			Year of implementation: 2006		
First year energy cost savings, Rs.: 2.3 lacs.					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	0.53				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.36				
Company complete address: Self				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:					


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....
Year to be filled by BEE	Installation of energy efficient Defuse aeration system in ETP	Technology
Description of the energy conservation measure:		
<ul style="list-style-type: none"> ▪ Installation of energy efficient Defuse aeration system in ETP. It generates 0.5 mm dia bubbles which gives excellent mass transfer of oxygen bio logical activity <ul style="list-style-type: none"> - Stopped 75 HP pump - Reduction of power consumption. <p>Project summary: In monitory terms the saving potential is Rs. 18.96 lacs / annum. The project cost for EE improvement is Rs 20.25 lacs having simple pay back 12.81 months.</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.: 20.25 lacs	Year of implementation: 2006	
First year energy cost savings, Rs.: 18.96 lacs.		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before	435	
Energy consumption after	0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.36	
Company complete address: Self	We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:		

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....			
Year to be filled by BEE	Installed liquid burner & pump for continuous burning of waste	Technology			
<p>Description of the energy conservation measure:</p> <ul style="list-style-type: none"> ▪ Installed liquid burner & pump for continuous burning of waste. <ul style="list-style-type: none"> - Increased waste burning from 400 kg to 1600 kg at same fuel. - Reduction of fuel consumption. <p>Project summary: In monetary terms the saving potential is Rs. 36 lacs / annum. The project cost for EE improvement is Rs 29 lacs having simple pay back 9.6 months.</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.: 29 lacs	Year of implementation: 2006				
First year energy cost savings, Rs.: 36 lacs.					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before				213.27	
Energy consumption after				0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...				16880	
Company complete address: Self				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:					

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ...Chemical.....			
Year to be filled by BEE	Installed liquid burner & pump for continuous burning of waste	Technology			
Description of the energy conservation measure:					
<ul style="list-style-type: none"> ▪ Installed liquid burner & pump for continuous burning of waste. <ul style="list-style-type: none"> - Increased waste burning from 400 kg to 1600 kg at same fuel. - Reduction of fuel consumption. <p>Project summary: In monetary terms the saving potential is Rs. 36 lacs / annum. The project cost for EE improvement is Rs 29 lacs having simple pay back 9.6 months.</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.: 29 lacs			Year of implementation: 2006		
First year energy cost savings, Rs.: 36 lacs.					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before				213.27	
Energy consumption after				0	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...				16880	
Company complete address: Self Contact person who could be contacted for more information:				We authorise Bureau to use this information for dissemination Signature Date	