


## 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	Sector <b>Chlor Alkali</b>				
Year to be filled by BEE	Replacement of ID fan blades with energy efficient FRP blades in CL2 H/s Cooling Tower.	Technology Membrane Cell				
Description of the energy conservation measure: Replacement of ID fan blades with energy efficient FRP blades in chlorine house cooling tower ID fan resulting in energy efficiency.						
<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):						
Total investment, Rs.:1.11 lacs			Year of implementation:2007-08			
First year energy cost savings, Rs.:1.4						
First year other savings, Rs.:						
On annual basis		kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before		20.7				
Energy consumption after		13.8				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...		4.36				
Company complete address: <b>Siel Chemical Complex,</b> Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Contact:- Mr. H.S Sandhu,G.M(Works) M.No-09815020248,E-mail:-hssandhu@sielchemical.com					We authorize Bureau to use this information for dissemination  Signature  Date	


## 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	Sector <b>Chlor Alkali</b>			
Year to be filled by BEE	Transfer of Padding air from pressurized empty tank to filled tank	Technology Membrane Cell			
Description of the energy conservation measure: Transfer of Padding air from pressurized empty tank to filled tank. Load on air compressor and blower will be reduced					
<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):					
Total investment, Rs.:0.07			Year of implementation:2007-08		
First year energy cost savings, Rs.:0.02					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	2.34				
Energy consumption after	1.15				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.36				
Company complete address: <b>Siel Chemical Complex,</b> Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Contact:- Mr. H.S Sandhu, G.M(Works) <b>M.No-09815020248,E-mail:-hssandhu@sielchemical.com</b>				We authorise Bureau to use this information for dissemination  Signature  Date	


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

ID to be filled by BEE	Title of the measure	Sector <b>Chlor Alkali</b>			
Year to be filled by BEE	Chlorine Revapouriser Installed for giving chlorine supply to CPW units through pipeline	Technology Membrane Cell			
Description of the energy conservation measure: Chlorine Revapouriser Installed for giving chlorine supply to CPW units through pipeline. saving on cylinder loading / unloading / filling and gain in water temperature drop.					
<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):					
Total investment, Rs.:11.3			Year of implementation:2007-08		
First year energy cost savings, Rs.:1.13					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	9.2				
Energy consumption after	7.8				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.36				
Company complete address: <b>Siel Chemical Complex,</b> Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Contact:- Mr. H.S Sandhu,G.M(Works) <b>M.No-09815020248,E-mail:-hssandhu@sielchemical.com</b>				We authorise Bureau to use this information for dissemination  Signature  Date	


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

ID to be filled by BEE	Title of the measure	Sector <b>Chlor Alkali</b>			
Year to be filled by BEE	Discharge lines of chlorine compressure interconnected	Technology Membrane Cell			
Description of the energy conservation measure: Discharge lines of chlorine compressors interconnected. Motor load on chlorine compressors reduced					
<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):					
Total investment, Rs.:0.54			Year of implementation:2007-08		
First year energy cost savings, Rs.:0.3					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	17.32				
Energy consumption after	14.5				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.36				
Company complete address: <b>Siel Chemical Complex,</b> Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Contact:- Mr. H.S Sandhu,G.M(Works) <b>M.No-09815020248,E-mail:-hssandhu@sielchemical.com</b>				We authorise Bureau to use this information for dissemination  Signature  Date	

## 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 8 No of 150 w HPSV fittings replaced with the 70 w fittings.	Sector <b>Chlor Alkali</b>
Year to be filled by BEE		Technology Membrane Cell
Description of the energy conservation measure: 8 No of 150 w HPSV fittings replaced with the 70 w fittings		
<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):		
Total investment, Rs.:0.016	Year of implementation:2007-0	

First year energy cost savings, Rs.:0.012					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	5.24				
Energy consumption after	2.4				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.36				
Company complete address: <b>Siel Chemical Complex</b> , Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Mr. H.S Sandhu,G.M(Works) <b>M.No-09815020248,E-mail:-hssandhu@sielchemical.com</b>				We authorise Bureau to use this information for dissemination	
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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 New 7th harmonic filter installed		Sector <b>Chlor Alkali</b>		
Year to be filled by BEE			Technology Membrane Cell		
Description of the energy conservation measure: New 7th harmonic filter installed resulting in improvement of P.F					
<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):					
Total investment, Rs.:8 lacs			Year of implementation:2007-08		
First year energy cost savings, Rs.:5 lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	5750				
Energy consumption after	5462				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.36				
Company complete address: <b>Siel Chemical Complex,</b> Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Mr. H.S Sandhu,G.M(Works) <b>M.No-09815020248,E-mail:-hssandhu@sielchemical.com</b>				We authorize Bureau to use this information for dissemination  Signature  Date	

**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 cell refurbishment 32 Nos.	Sector <b>Chlor Alkali</b>			
Year to be filled by BEE		Technology Membrane Cell			
Description of the energy conservation measure: 32 No of Electrolysers (Cell) was refurbished resulting in energy efficiency.					
<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):					
Total investment, Rs.:832.93			Year of implementation:2007-08		
First year energy cost savings, Rs.:252					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	2785				
Energy consumption after	2641				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.36				
Company complete address: <b>Siel Chemical Comple</b> , Village Khadauli/Sardargarh, PB No 52,Distt.Patiala Punjab Mr. H.S Sandhu,G.M(Works) <b>M.No-09815020248,E-mail:-hssandhu@sielchemical.com</b>				We authorise Bureau to use this information for dissemination  Signature  Date	

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