



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 Aluminium Fan Blades by FRP Fan Blades Cooling Tower	Sector : Chlor Alkali			
Year to be filled by BEE		Technology : Asahi Kasei			
<p>Description of the energy conservation measure:</p> <p style="margin-left: 40px;">Original design of Cell House cooling tower ID Fan was having Aluminium blades, which was consuming 28.9KW power. Now it is replaced with the high efficiency FRP blades. It is now consuming 22.8KW with the same blade angle i.e. with the same performance.</p>					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
N.A.					
Agency that executed the project (with complete address and email) : In-house					
Total investment, Rs.: Nil	Year of implementation : 2007-08				
First year energy cost savings, Rs.: 1.41 Lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	510 (Net saving)	-	-	-	-
Energy consumption after		-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL...	2.76	-	-	-	-
Company complete address: Shriram Vinyl & Chemicals Industries A unit of DCM Shriram Consolidated Ltd. Caustic Soda Plant Shriram Nagar Kota 324004 (Rajasthan) Tel. : 0744 – 2480011-17, 2480991-98 Contact person who could be contacted for more information : Mr Vijay Kasliwal				We authorise Bureau to use this information for dissemination Signature Date : 6.10.2008	


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 Installation of Bigger Chlorine Compressor	Sector : Chlor Alkali			
Year to be filled by BEE		Technology : Asahi Kasei			
<p>Description of the energy conservation measure:</p> <p>While carrying out the energy/power utilization study of the chlorine section, it is observed that three Chlorine compressors of different capacities (Two compressors of 50 TPD rating and one compressor of 81 TPD rating), having power rating of 160KW+135KW+110KW, are need to run at plant average load. Under this situation, motors were also operating at low power factor.</p> <p>It was calculated & suggested that for getting the high efficiency of compressor and motor, one additional Chlorine Compressor of same capacity i.e. 81 TPD need to be installed and run in parallel with existing 81TPD compressor.</p> <p>With the new compressor, now it is possible to run the two big compressors at plant normal condition i.e. 135TPD, in place of three compressors.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
N.A.					
Agency that executed the project (with complete address and email) : In-house					
Total investment, Rs.: 22 Lacs			Year of implementation : 2007-08		
First year energy cost savings, Rs.: 34.8 Lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	12600	-	-	-	-
Energy consumption after	(Net saving)	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL...	2.76	-	-	-	-
Company complete address: Shriram Vinyl & Chemicals Industries A unit of DCM Shriram Consolidated Ltd. Caustic Soda Plant Shriram Nagar Kota 324004 (Rajasthan) Tel. : 0744 – 2480011-17, 2480991-98 Contact person who could be contacted for more information : Mr Vijay Kasliwal				We authorise Bureau to use this information for dissemination Signature Date : 06.10.2008	


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ID to be filled by BEE	Title of the measure Replacement of Old AC Unit (Compressor & Motor) by Hermetically Sealed Compressor		Sector : Chlor Alkali		
Year to be filled by BEE			Technology : Asahi Kasei		
Description of the energy conservation measure: Since beginning HCL Control Room AC compressor of 5 TR capacity was coupled with 11KW motor. It was drawing 8.40 KW power. In place of coupled unit one hermetically sealed compressor of equal capacity (5 TR) is installed. It is drawing only 4.40KW.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
N.A.					
Agency that executed the project (with complete address and email) : In-house					
Total investment, Rs.: 0.27 Lacs			Year of implementation : 2007-08		
First year energy cost savings, Rs.: 0.39 Lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	140 (Net saving)	-	-	-	-
Energy consumption after		-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL...	2.76	-	-	-	-
Company complete address: Shriram Vinyl & Chemicals Industries A unit of DCM Shriram Consolidated Ltd. Caustic Soda Plant Shriram Nagar Kota 324004 (Rajasthan) Tel. : 0744 – 2480011-17, 2480991-98 Contact person who could be contacted for more information : Mr Vijay Kasliwal				We authorise Bureau to use this information for dissemination Signature Date : 06.10.2008	

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

ID to be filled by BEE	Title of the measure Replacement of Old luminaries with High Efficiency Metal Halide Luminaries		Sector : Chlor Alkali		
Year to be filled by BEE			Technology : Asahi Kasei		
Description of the energy conservation measure: Very old luminaries / light fittings were not energy efficient and have poor lux output. Hence new T5 fittings and Metal Halide fittings are used in place of old fittings.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
N.A.					
Agency that executed the project (with complete address and email) : In-house					
Total investment, Rs.: 0.30 Lacs			Year of implementation : 2007-08		
First year energy cost savings, Rs.: 0.16 Lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	60 (Net saving)	-	-	-	-
Energy consumption after		-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL...	2.76	-	-	-	-
Company complete address: Shriram Vinyl & Chemicals Industries A unit of DCM Shriram Consolidated Ltd. Caustic Soda Plant Shriram Nagar Kota 324004 (Rajasthan) Tel. : 0744 – 2480011-17, 2480991-98 Contact person who could be contacted for more information : Mr Vijay Kasliwal				We authorise Bureau to use this information for dissemination Signature Date : 06.10.2008	