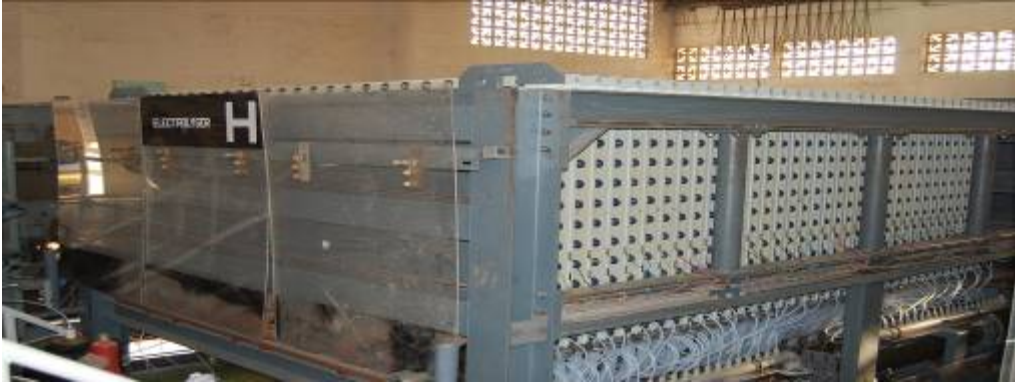


Energy Conservation Measure implemented in 2007-08


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

ID to be filled by BEE	Title of the measure		Sector ... <u>Chlor Alkali</u>		
Year to be filled by BEE	Conversion of 2nd Generation Elements with 5th Generation Elements		Technology ... <u>Membrane</u>		
Description of the energy conservation measure:					
Existing 2nd Genration elements of H electrolyzer were replaced by 5th Generation elements					
Sr.No.	Particulars	UOM	2nd Generation	5th Generation	
1	Production capacity	TPD	45.27	45.27	
2	Power requirement	MW/Day	4.11	3.90	
3	Total Cell Power consumption	KWH/T	2183	2069	
	Reduction in percentage		5.22%		
Picture of Modified H Electrolyzer					
					
Agency that executed the project (with complete address and email): M/s. UDHE LTD.					
Total investment, Rs.: 855 lacs			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 122.67 lacs (on annual basis)					
First year other savings, Rs.:					
On annual basis	kWh/T	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	2183	-	-	-	-
Energy consumption after	2069	-	-	-	-
Energy tariff, Rs/ kWh	Rs.4.36/ KWH	-	-	-	-
Company complete address:				We authorise Bureau to use this information for dissemination	
GRASIM CHEMICAL DIVISION BIRLAGRAM, NAGDA (MP.) Pin 456331 Fax No. 07366 246097 / Phone 07366 255520				Signature	
Contact person who could be contacted for more information: R.K. MAHESHWARI				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 2007-08

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

ID to be filled by BEE	Title of the measure Addition of 88 Elements		Sector ... <u>Chlor Alkali</u>																						
Year to be filled by BEE			Technology ... <u>Membrane</u>																						
Description of the energy conservation measure: Addition of 88 Elements to the Membrane cell Electrolyzers to reduce cell Power at the same level of Production.																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr.No.</th> <th style="width: 40%;">Particulars</th> <th style="width: 10%;">UOM</th> <th style="width: 15%;">Before Addition</th> <th style="width: 15%;">After Addition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Production capacity</td> <td>TPD</td> <td style="text-align: center;">575</td> <td style="text-align: center;">575</td> </tr> <tr> <td>2</td> <td>Total Cell Power consumption</td> <td>KWH/T</td> <td style="text-align: center;">2187</td> <td style="text-align: center;">2147</td> </tr> <tr> <td>3</td> <td>Reduction in percentage</td> <td></td> <td colspan="2" style="text-align: center;">2.29%</td> </tr> </tbody> </table>						Sr.No.	Particulars	UOM	Before Addition	After Addition	1	Production capacity	TPD	575	575	2	Total Cell Power consumption	KWH/T	2187	2147	3	Reduction in percentage		2.29%	
Sr.No.	Particulars	UOM	Before Addition	After Addition																					
1	Production capacity	TPD	575	575																					
2	Total Cell Power consumption	KWH/T	2187	2147																					
3	Reduction in percentage		2.29%																						
Picture of Electrolyzer																									
																									
Agency that executed the project (with complete address and email): M/s. AKCC. Japan																									
Total investment, Rs.: 480 Lacs			Year of implementation: 2007-08																						
First year energy cost savings, Rs.: 366 lacs (on annual basis)																									
First year other savings, Rs.:																									
On annual basis	kWh/T	Coal (Tons)	Gas Nm ³	Oil (kL)	Other																				
Energy consumption before	2187	-	-	-	-																				
Energy consumption after	2147	-	-	-	-																				
Energy tariff, Rs/ kWh	Rs.4.36/ KWH	-	-	-	-																				
Company complete address: GRASIM CHEMICAL DIVISION BIRLAGRAM, NAGDA (MP.) Pin 456331 Fax No. 07366 246097 / Phone 07366 255520				We authorise Bureau to use this information for dissemination																					
Contact person who could be contacted for more information: R.K. MAHESHWARI				Signature																					
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