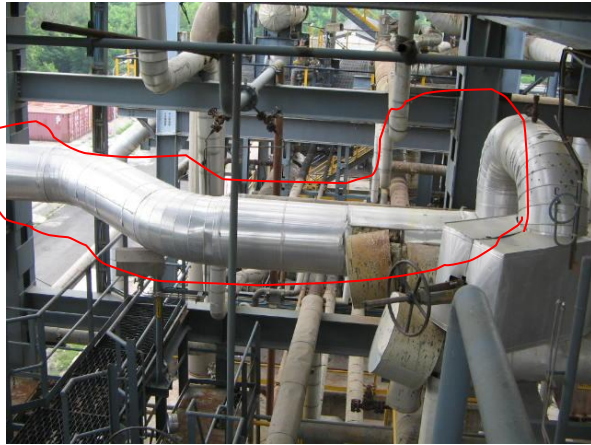


### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	Title of the measure <b>LPS export from A-IV Plant.</b>	Sector Petrochemical (Ammonia-IV Plant).			
Year to be filled by BEE	Technology Use of waste heat.....				
Description of the energy conservation measure:					
As per natural gas availability, turbine for power generation is not in operation. The excess LP steam is getting vented. To utilize the same, an export header to supply LPS to common grid installed. Steam saving realized.					
<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.: 345 lacs			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 988 lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before			147.2 (lacs)		
Energy consumption after			Nil		
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...			Rs. 6.714		
Company complete address: <b>Gujarat State Fertilizers &amp; Chemicals Limited.</b> <b>P.O. Fertilizer nagar, Dist. Vadodara, Gujarat Pin. 391750.</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: <b>Mr.G.N.Desai, GM(D &amp; TS, Inst. &amp; PU)</b>				Signature Sd/-  Date 24/09/08	

**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

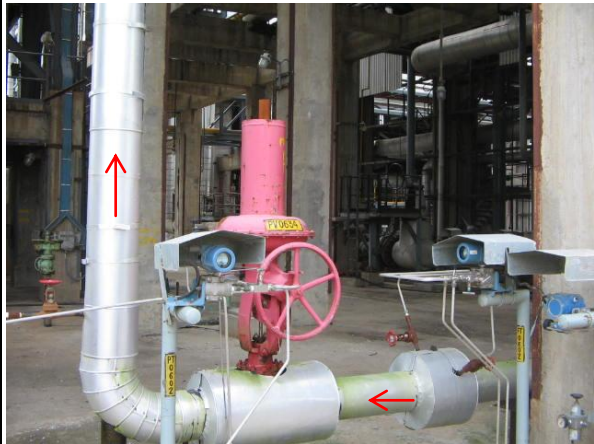
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	<b>Title of the measure</b> <b>Direct supply of KA oil from K-150 bottom to Sec. 200. in Anone plant, CEP.</b>		Sector Petrochemical (Capro-II plant).			
Year to be filled by BEE			Technology Use of waste heat .....			
Description of the energy conservation measure:						
KA oil is feed to distillation column through storage tank. This necessitates pumping and reheating for distillation. A system for direct supply of hot KA oil with balance to / from tank is established by De-cascading of tower level and flow. It resulted in to steam saving.						
<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, Nil			Year of implementation: 2007-08			
First year energy cost savings, Rs.: 21.63 lacs						
First year other savings, Rs.: Nil						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other	
Energy consumption before	72.0		5472000			
Energy consumption after	0.0		5184000			
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 3.19		Rs. 6.714			
Company complete address: <b>Gujarat State Fertilizers &amp; Chemicals Limited.</b> <b>P.O. Fertilizer nagar, Dist. Vadodara, Gujarat Pin. 391750.</b>				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: <b>Mr.G.N.Desai, GM(D &amp; TS, Inst. &amp; PU)</b>				Signature Sd/-  Date 24/09/08		

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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 <b>Diverting Vapor Ammonia to DAP Plant from A-IV Plant.</b>	Sector Fertilizer (Ammonia-IV plant).
Year to be filled by BEE		Technology Reduction in Refrigeration load
Description of the energy conservation measure:  At A-IV plant, vapor ammonia is liquefied using compressor system. A system to supply vapor ammonia from A-IV plant to DAP plant bypassing the refrigeration system is implemented. This resulted in to power saving.		
<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. 30.68 Lacs.	Year of implementation: 2007-08	
First year energy cost savings, Rs.: 25.52 lacs		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before	9602	
Energy consumption after	8802	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 3.19	
Company complete address: <b>Gujarat State Fertilizers &amp; Chemicals Limited. P.O. Fertilizer nagar, Dist. Vadodara, Gujarat Pin. 391750.</b>		We authorise Bureau to use this information for dissemination
Contact person who could be contacted for more information: <b>Mr.G.N.Desai, GM(D &amp; TS, Inst. &amp; PU)</b>		Signature Sd/-  Date 24/09/08

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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		Sector- Office & Plant premises		
Year to be filled by BEE	<b>Replacement of traditional tube lights with true tube lights &amp; lamps.</b>		Technology .....		
Description of the energy conservation measure:					
106 Nos. of 2*40 Watt replaced with 2 *28 T5 tube lights, 314 NOs. of 100 Watt GLS lamps replaced by Cfl lamps, 275 Nos. of 125 Watt fittings replaced by 70 Watt metal halide fittings, 26Nos. of high wattage (125 to 400 watts) lamps by 150 watt metal halide fittings as well as timely operation of switching on & off lighting resulted in to saving.					
<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. 7.01 Lacs.			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 5.77 lacs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Sm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	181				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	Rs. 3.19				
Company complete address: <b>Gujarat State Fertilizers &amp; Chemicals Limited.</b> <b>P.O. Fertilizer nagar, Dist. Vadodara, Gujarat Pin. 391750.</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: <b>Mr.G.N.Desai, GM(D &amp; TS, Inst. &amp; PU)</b>				Signature Sd/-	
				Date 24/09/08	

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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		Sector- Entire GSFC complex			
Year to be filled by BEE	<b>Energy saving by arresting steam leakages through steam traps.</b>		Technology .....			
Description of the energy conservation measure:						
Steam trap survey was carried out. With replacement of faulty steam traps, savings of steam realized.						
<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. Nil Lacs.			Year of implementation: 2007-08			
First year energy cost savings, Rs.: 11.51 lacs						
First year other savings, Rs.: Nil						
On annual basis	kWh 000'	Coal (Tons)	Gas Sm <sup>3</sup>	Oil (kL)	Other	
Energy consumption before			171520			
Energy consumption after			Nil			
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...			Rs. 6.714			
Company complete address: <b>Gujarat State Fertilizers &amp; Chemicals Limited.</b> <b>P.O. Fertilizer nagar, Dist. Vadodara, Gujarat Pin. 391750.</b>				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: <b>Mr.G.N.Desai, GM(D &amp; TS, Inst. &amp; PU)</b>				Signature Sd/-		
				Date 24/09/08		

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