






## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>BIO MASS Based Community Chula</b>	Sector.. <b>Chemical Industry....</b>			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:  LPG was consumed before installation of the BIO MASS Based Community Chula for canteen food cooking. We are using trimmed biomass for this chula.					
<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): <b>M/S Appropriate Rural Technology Institute (ARTI),</b> President : Dr A D Karve ,Phone No 020-24390348/24392284 Mr R N Prabhune ,M/S Appropriate Rural Technology Institute (ARTI), Near Ganeshnagar, Baramati Road, PHALTAN-415 523, Dist: SATARA. Maharashtra. ,Phone No 02166-225200, Cell: 09423033531 E-Mail: wtparti@sancharnet.in					
Total investment, Rs.: 0.28 Lacs			Year of implementation:2006		
First year energy cost savings, Rs.: 2.28 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas (LPG) Kg	Oil (kL)	Other
Energy consumption before			6156		
Energy consumption after			1596		
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...			Rs 50/ Kg		
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104  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 <b>Utilisation of Day light in Finish Goods Godowns with CFL-85 W</b>	Sector .. <b>Chemical Industry....</b>			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure: <b>Utilisation of Day light in Finish Goods Godowns with CFL-85 W:</b> During day time we are utilizing the sunlight for finished goods godowns after providing windows in the walls. And 85 W CFL lamps were replaced from 250 W mercury lamps.					
<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.:0.57 Lacs			Year of implementation:2006		
First year energy cost savings, Rs.:0.61 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	28500				
Energy consumption after	9600				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	3.25				
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination  Signature  Date	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Replacement of A/W-7 RAF metallic blades with FRP</b>	Sector .. <b>Chemical Industry....</b>			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure: <b>Replacement of A/W-7 RAF metallic blades with FRP:</b> Earlier we were using metallic blades for this fan, the same has been replaced with FRP.					
<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.:0.25 Lacs			Year of implementation: 2006		
First year energy cost savings, Rs.: 1.14 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	148920				
Energy consumption after	113880				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	3.25				
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Process Air Pressure reduction from 7.5 to 7.3 bar</b>		Sector .. <b>Chemical Industry....</b>		
Year to be filled by BEE			Technology .....		
Description of the energy conservation measure: <b>Process Air Pressure reduction from 7.5 to 7.3 bar:</b> Earlier we were operating the process air air pressure for plant at 7.5 Bar which has reduced to 7.3 Bar. This gives the reduction in power consumption.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
			N.A.		
Agency that executed the project (with complete address and email):					
Total investment, Rs.:Nil			Year of implementation:		
First year energy cost savings, Rs.:0.40 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	10708				
Energy consumption after	10674				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	3.25				
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination	
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				Date	


## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Reduction in refrigeration load</b>		Sector .. <b>Chemical Industry....</b>		
Year to be filled by BEE			Technology .....		
Description of the energy conservation measure: TR Reduction by following measures: 1. Increase in AW Dew Point from 16 to 18 2. Increase in CHW Temp 7.5 to 8.5 3. Stoppage of conditioning losses - Audit 4. Reduction in Carpet loss					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
			Not available		
Agency that executed the project (with complete address and email):					
Total investment, Rs.:0.5 Lacs			Year of implementation:2006		
First year energy cost savings, Rs.:5.44 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before		9068			
Energy consumption after		8796			
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...		2000			
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Use of CFL lamps</b>	Sector .. <b>Chemical Industry....</b>			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure: Replacement of 250/125 W HPMV / HPSV Lamps by 85 / 36 W CFL in phased manner					
<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.:1.98 Lacs			Year of implementation:2006		
First year energy cost savings, Rs.:7.23 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	205800				
Energy consumption after	57900				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	3.25				
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Utilisation of Solar energy for cooking food</b>	Sector .. <b>Chemical Industry....</b>			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:  Solar cooker installation at RIL Nagpur Canteen for canteen food cooking, LPG fuel has been reduced after installation of the same.					
<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): Mr. Deepak Gadhia, Managing Director, Gadhia Solar Energy Systems Pvt. Ltd., Solar System M/s. GADHIA , Eco Center ICNEER , Plote no 86 , Old GIDC Gundlav VALSAD 396 035, Gujrat Email: <a href="mailto:deepak_gadhia@yahoo.com">deepak_gadhia@yahoo.com</a> , Phone: 02632 - 35703					
Total investment, Rs.: 0.75 Lacs			Year of implementation:2006		
First year energy cost savings, Rs.: 0.07 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas (LPG) Kg	Oil (kL)	Other
Energy consumption before			6156		
Energy consumption after			6012		
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...			Rs 50/ Kg		
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Stoppage of RAF of Lag Area (through out the year)</b>	Sector .. <b>Chemical Industry....</b>			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure: <b>Stoppage of RAF of Lag Area (through out the year):</b> Earlier RAF was running along with SAF, after trial we are able to operate the Lag area AW only with SAF.					
<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): EnCon team local					
Total investment, Rs.: Nil			Year of implementation: 2007		
First year energy cost savings, Rs.: 4.47 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	137664				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	3.25				
Company complete address: Sh R S Chouhan, G M Elect & CEA, Reliance Industries Ltd, Nagpur Manufacturing Division (formerly - Indian Petrochemicals Corporation Ltd, Nagpur Complex) Village Dahali, Tahluka- Mouda, Dist Nagpur (MS) 441 104				We authorise Bureau to use this information for dissemination	
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