

**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>REDUCTION IN STEAM CONSUMPTION IN STRIPPER REBOILER OF AMINE TREATING UNITS (ATU)</b>	Sector: Petroleum Refining and Petrochemical			
Year to be filled by BEE		Technology : In-house			
Description of the energy conservation measure:  The purpose of the project activity is to reduce steam consumption by replacing Shell & Tube Heat Exchanger with Plate & Frame Heat exchanger in Amine treating units.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
<p align="center">Stripper reboiler in Amine Treating Unit before modification</p>	<p align="center">Stripper reboiler in Amine Treating Unit with new Plate &amp; Frame Heat Exchanger</p>				
Agency that executed the project (with complete address and email): <b>RELIANCE INDUSTRIES LTD</b>					
Total investment, Rs.:248 Lakhs	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 550 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy consumption saving	-	-	-	7940	-
Energy tariff, Rs/ Ton	-	-	-	16105	-
Company complete address: <b>RELIANCE INDUSTRIES LTD, REFINERY DIVISION, JAMNAGAR</b> VILLAGE: MOTIKHAVDI, AT POST: RELIANCE GREENS, TALUKA: LALPUR, DIST: JAMNAGAR, GUJARAT - 361 142				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Shri H.V.LODHIA (VICE PRESIDENT), Ph. No.: 0288 6612193, FAX: 0288 6612198 Mobile No: 09998973603 E_mail: Has Mukh.Lodhia@ril.com				Signature  Date 30/9/2008	

**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 <b>Increase in Crude Preheat Temperature by Heat recovery from VGO product stream in Crude Distillation Unit I.</b>	Sector: Petroleum Refining and Petrochemical			
Year to be filled by BEE		Technology: In-house			
Description of the energy conservation measure: The purpose of the project activity is to increase in Crude Preheat Temperature from 247 °C to 267 °C by Heat recovery from VGO Product stream in Crude Distillation Unit I by using Pinch Technology.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
Agency that executed the project (with complete address and email): <b>RELIANCE INDUSTRIES LTD</b>					
Total investment, Rs.: 441	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 1536					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy consumption saving					
Energy tariff, Rs/ Ton					
Company complete address: <b>RELIANCE INDUSTRIES LTD, REFINERY DIVISION, JAMNAGAR</b> VILLAGE: MOTIKHAVDI, AT POST: RELIANCE GREENS, TALUKA: LALPUR, DIST: JAMNAGAR, GUJARAT - 361 142 Contact person who could be contacted for more information: Shri H.V.LODHIA (VICE PRESIDENT), Ph. No.: 0288 6612193, FAX: 0288 6612198 Mobile No: 09998973603 E_mail: Hasmukh.Lodhia@ril.com				We authorise Bureau to use this information for dissemination  Signature <i>H.Lodhia</i> Date 30/9/2008	

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