

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector .....			
Year to be filled by BEE	<b>Energy Conservation by using “Variable Frequency Drives” on Product Pump Sets.</b>	Technology .....			
<p>Description of the energy conservation measure: For E-III HSD, BS-II HSD, E-III MS &amp; SKO Pump Sets we have installed the “Variable Frequency Drives” with Interlocking Panels. Total 4 Nos of VFD panels are installed. The VFDs will operate/ run the pump sets basis of pressure in the products header line, pre-set frequency or for the required out put / discharge set in the VFD panel.</p> <p>Since, the pump set Motor is made to run at lower RPM than the rated RPM for required out put, lesser is the current consumed which saves the power / energy. The design , manufacturing and installation of the VFDs is done by M/s L&amp;T, Mumbai.</p>					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
Details are given in the CD			Details are given in the CD		
Agency that executed the project (with complete address and email): M/S L&T, Mumbai					
Total investment, Rs.: 25.0 Lakhs			Year of implementation: Dec,2004		
First year energy cost savings, Rs.: 10.56 Lakhs					
First year other savings, Rs.: NIL					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before ( Thruput 11.95 Lakhs KL)	1066				
Energy consumption after <b>THRUPUT HAS INCREASED ( 15.76 Lakhs KL)&amp;CONS HAS GONE DOWN</b>	1011				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.60				
Company complete address: M P Eshwar, Ch Installation Manager, Post Ankushapur Vill, Ghatkesar Mandal, R R Dist., HYDERABAD- 501301 (AP): 08415-227183(O), 08415-227143(Fax) Mobil: 09391154351 E-mail: mpeshwar@hpcl.co.in				We authorise Bureau to use this information for dissemination  Signature Date	
Contact person who could be contacted for more information:					