



## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<b>P- 2 Die</b>	Sector - Automobile.....			
Year to be filled by BEE	<b>Installation of VFD</b>	Technology .....			
<b>Description of the energy conservation measure:</b>					
<p>Variable Frequency Drive is installed on ONE 800 Tons and one 1300 Tons press hydraulic motors. Both the motors' speed is reduced by 10%. The speed reduction is resulted into power saving of 81,172 kWh per annum. Also resulted in to demand savings of 73 KVA per month. Because of the power saving one DG is stopped resulting to 25.6 kL per annum of diesel saving worth Rs. 8.98 Lakhs.</p>					
<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): Plant II maint team					
Total investment, Rs.: 9.76 Lakhs	Year of implementation:2006-2007				
First year energy cost savings, Rs.: 12.23 Lakhs					
First year other savings, Rs.: 2.6 Lakhs (due to max demand reduction)					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	406			237	
Energy consumption after	325			211.4	
Energy tariff, <b>Rs/ kWh/ Ton/ Nm<sup>3</sup>/ kg</b>	4.00			40	
Company complete address: M/S Mahindra & Mahindra 89 MIDC Satpur Nashik -422007 Maharashtra				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. A. Deshmukh (Maintenance Manager – Plant-2 Die Shop)				Signature	
				Date	