


## Energy Conservation Measure Compendium

ID to be filled by BEE	Title of the measure	Sector - Cement
Year to be filled by BEE	<b>Replacement of Low Efficiency Dust Collector fan with High Efficiency Fan.</b>	Technology - .....
<p>Description of the energy conservation measure:</p> <p>The function of Dust Collector in Cement plant to de-dust the Cement from grinding process. The dust collector fan suck air from the system and creating negative pressure. During the plant energy audit by Group Technical Cell, the efficiency of existing dust collector fan found very low. It was decided to replace the fan with new as present was old design and working for more than ten year. The installation of high efficiency the resulted into decrease in motor loading hence motor also de-rated accordingly. There was saving from fan efficiency and motor de rating.</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):		
Total investment, Rs.: 0.50 Lacs	Year of implementation: 2006-07.	

First year energy cost savings, Rs.: 2.27 Lacs.					
First year other savings, Rs. Not Applicable					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	0.118	NA	NA	NA	NA
Energy consumption after	0.053	NA	NA	NA	NA
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	3.5	NA	NA	NA	NA
<p>Company complete address:  M/s.Birla Super Cement (A Unit of Grasim Industries Ltd.),  Near Hotgi Rly. Station, Taluka - South Solapur, Dist. - Solapur - 413 215.</p> <p>Contact person who could be contacted for more information:  D.G. Kulkarni, AVP (Technical),  Phone No.- 0217-2250303 Fax No. - 0217-2250307.  Email: dmjagdale@adityabirla.com</p>				<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date</p>	