

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>ELECTRICAL ENERGY CONSERVATION MEASURE</b>	Sector ... <b>CEMENT</b> .....			
Year to be filled by BEE		Technology <b>Trend setter Technology</b>			
Description of the energy conservation measure: <b>Reduction of pressure setting in cement mill and packing plant compressor.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
<b>NOT APPLICABLE</b>			<b>NOT APPLICABLE</b>		
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Nil Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 1.34 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.98</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.96</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
Company complete address: <b>JAYPEE BELA PLANT JAYPEE PURAM, DIST. - REWA (M . P.), PIN – 486450 TEL : 07662 - 229 284 - 287 &amp; FAX : 07662 - 229 245 Email : bp.parganiha@jalindia.co.in</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: <b>SHRI B.P.PARGANIHA, SR. VICE PRESIDENT (PLANT)</b>				Signature :	
				Date : <b>18.10.2007</b>	

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Year to be filled by BEE		Technology <b>Trend setter Technology</b>			
Description of the energy conservation measure: <b>Reduction in pressure setting of cement silo aeration blower in packing plant</b>					
Picture/ sketch/ drawing before modification <small>(if available)</small>			Picture/ sketch/ drawing after modification		
<b>NOT APPLICABLE</b>			<b>NOT APPLICABLE</b>		
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. Nil Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 3.69 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.17</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.12</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend setter Technology</b>			
Description of the energy conservation measure: <b>Optimisation of operating voltage in identified areas</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
<b>NOT APPLICABLE</b>			<b>NOT APPLICABLE</b>		
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. Nil Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 8.38 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.43</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.32</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend setter Technology</b>			
Description of the energy conservation measure: <b>Optimisation of loading of transformers.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
<b>NOT APPLICABLE</b>			<b>NOT APPLICABLE</b>		
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. Nil Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 7.10 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.13</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.04</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend setter Technology</b>			
Description of the energy conservation measure: <b>Optimization of operation of bag house fan</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
<b>NOT APPLICABLE</b>			<b>NOT APPLICABLE</b>		
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. Nil Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 10.05 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>4.14</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>4.02</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Renewal Technology</b>			
Description of the energy conservation measure: <b>Installation of correct size pump for filter feed pump</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. 1.5 Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 2.14 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.086</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.064</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend Setter Technology</b>			
Description of the energy conservation measure: <b>Reduction in impeller size of over head pump</b>					
<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>INHOUSE</b>					
Total investment, <b>Rs. 1.5 Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 0.77 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.103</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.096</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend Setter Technology</b>			
Description of the energy conservation measure: <b>Reduction in impeller size for plant cooling water pump</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. 0.20 Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 1.84 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.249</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.226</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend Setter Technology</b>			
Description of the energy conservation measure: <b>Reduction in capacity of kiln bin aeration blower by speed reduction.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. 0.20 Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 1.07 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.086</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.071</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE		Technology <b>Trend Setter Technology</b>			
Description of the energy conservation measure: <b>Avoid damper loss in identified bag filter fans.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
<b>NOT APPLICABLE</b>			<b>NOT APPLICABLE</b>		
Agency that executed the project (with complete address and email): <b>INHOUSE</b>					
Total investment, <b>Rs. 0.40 Lakhs</b>			Year of implementation: <b>2006 - 07</b>		
First year energy cost savings, <b>Rs. 5.19 Lakhs</b>					
First year other savings, Rs.: <b>Not Applicable</b>					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	<b>0.40</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	<b>0.34</b>	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL	<b>3.38</b>	<b>2626.24</b>	Not Applicable	Not Applicable	Not Applicable
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