


**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>Sector - Cement</b>			
Year to be filled by BEE	<b>Installation of variable speed drive on down hill belt conveyor</b>	<b>Technology .....</b>			
Description of the energy conservation measure:					
<b>Variable Speed Drive was installed at the Down Hill Conveyor (Crusher Belt carrying crushed limestone to stockpile) by replacing the conventional drive resulting into energy savings of 20 units/Hr.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<b>Agency that executed the project (with complete address and email): In-house installation</b>					
<b>Total investment, Rs.: 6.75 Lacs</b>			<b>Year of implementation: 2007</b>		
First year energy cost savings, Rs.: 2.93 Lacs/annum					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	<b>Other</b>
Energy consumption before	159255				
Energy consumption after	88475				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA
Company complete address: <b>BINANI CEMENT LIMITED P.O. BINANIGRAM, TEHSIL-PINDWARA DISTT. SIROHI (RAJASTHAN) PIN : 307 025</b>				<b>We authorise Bureau to use this information for dissemination</b>	
Contact person who could be contacted for more information: <b>Mr. Darshan Lal, EVP (Operations)</b>				Signature	
				Date	

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**Energy Conservation Measure implemented in 2007-2008**



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ID to be filled by BEE	Title of the measure	<b>Sector - Cement</b>			
Year to be filled by BEE	<b>Installation of Variable Speed Drive on Lime Stone Crusher Apron Conveyor</b>	<b>Technology .....</b>			
Description of the energy conservation measure:					
<b>Variable Speed Drive was installed at the on the Limestone Crusher Apron Conveyor by replacing the conventional drive resulting into savings in energy savings of 15 Units/Hr</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<b>Agency that executed the project (with complete address and email): In-house installation</b>					
<b>Total investment, Rs.: 6.75 Lacs</b>			<b>Year of implementation: 2007</b>		
<b>First year energy cost savings, Rs.: 2.20 Lacs/annum</b>					
<b>First year other savings, Rs.: Nil</b>					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	<b>Other</b>
Energy consumption before	159255				
Energy consumption after	106170				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA
Company complete address: <b>BINANI CEMENT LIMITED P.O. BINANIGRAM, TEHSIL-PINDWARA DISTT. SIROHI (RAJASTHAN) PIN : 307 025</b>				<b>We authorise Bureau to use this information for dissemination</b>	
Contact person who could be contacted for more information:  <b>Mr. Darshan Lal, EVP (Operations)</b>				Signature	
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## Energy Conservation Measure implemented in 2007-2008

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ID to be filled by BEE	Title of the measure	<b>Sector - Cement</b>			
Year to be filled by BEE	<b>Replacement of hi-chrome table liner with sintered cast iron liners</b>	Technology .....			
Description of the energy conservation measure:					
<b>Replaced hi-chrome table liner with sintered cast iron liners for Energy Savings as well as smooth &amp; consistent operation of Raw mill #1.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<b>Agency that executed the project (with complete address and email): Maurice Engineering</b>					
<b>14, Rajaswa Colony, Neemuch- 458 441 (MP) Phone: 07423-220839, Mobile: 094251 06336</b>					
<b>Total investment, Rs.: 44.3 Lacs</b>			<b>Year of implementation: 2007</b>		
First year energy cost savings, Rs.: 9.04 Lacs/annum					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	<b>Other</b>
Energy consumption before	17185691				
Energy consumption after	16742951				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL...	4.14/kWh	NA	NA	NA	NA
Company complete address: <b>BINANI CEMENT LIMITED</b> <b>P.O. BINANIGRAM, TEHSIL-PINDWARA</b> <b>DIST. SIROHI (RAJASTHAN)</b> <b>PIN : 307 025</b>				<b>We authorise Bureau to use this information for dissemination</b>  Signature  Date	
Contact person who could be contacted for more information:  <b>Mr. Darshan Lal, EVP (Operations)</b>					

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**Annexure 'B'**

## Energy Conservation Measure implemented in 2007-2008

(To be filled up separately for each Energy Conservation Measure)

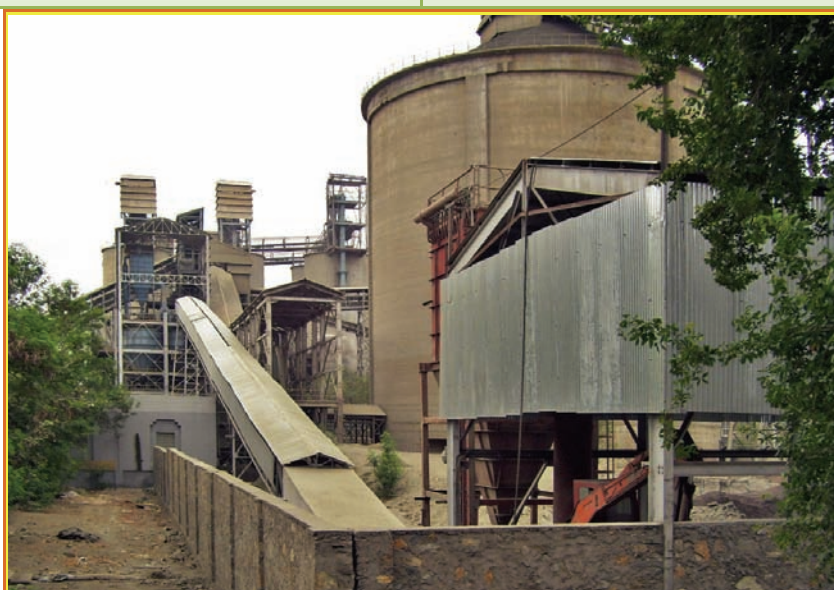
ID to be filled by BEE	Title of the measure	<b>Sector - Cement</b>
Year to be filled by BEE	<b>Production of PPC by using Wet Fly Ash</b>	Technology .....

Description of the energy conservation measure:

**In the year 2007-08, 107200 tons of extra PPC was produced by utilizing 26800 tons of Wet Fly Ash resulting into 1476948 kWh savings of electrical energy.**

Picture/ sketch/ drawing before modification  
(if available)

Picture/ sketch/ drawing after modification



**Agency that executed the project (with complete address and email) : M/s Sanghavi Engg., 121, Co-Op. Industrial Estate, Balanagar Expansion, Gandhinagar, Hyderabad – 500 037**

**Total investment, Rs.: 400 Lacs**

**Year of implementation: 2007**

First year energy cost savings, Rs.: 7.64 Lacs/annum

First year other savings, Rs.: 177.36 Lacs

On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	3296400				
Energy consumption after	3112016				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA

Company complete address:

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PIN : 307 025**

Contact person who could be contacted for more information:

**Mr. Darshan Lal, EVP (Operations)**

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Signature

Date

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**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>Sector - Cement</b>			
Year to be filled by BEE	<b>Analog DC drives of Cement mill no 1&amp;2 clinker W/Fs replaced with Variable Speed drive.</b>	Technology .....			
Description of the energy conservation measure:					
<b>Replacement of 2 Nos. of Analog DC drives with V/F Drives resulted into savings of 3 Units/Hr. of electrical energy in each of the Cement mills.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<b>Agency that executed the project (with complete address and email): In-house installation</b>					
<b>Total investment, Rs.: 1.80 Lacs</b>			<b>Year of implementation: 2007</b>		
First year energy cost savings, Rs.: 1.81/- Lacs/annum					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	<b>Other</b>
Energy consumption before	101976				
Energy consumption after	58272				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector - <b>Cement</b>		
Year to be filled by BEE	<b>Replacement of 3 low capacity pumps with high capacity and high efficiency single pump</b>		Technology .....		
Description of the energy conservation measure:					
<b>Annual power savings achieved by replacing 3 Nos. of low capacity pumps with single high efficiency pump at Malap for pumping water to CPP &amp; Cement Plant resulted into Total Energy Savings = 262800 kWh/year</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<b>Agency that executed the project (with complete address and email): In-house installation</b>					
<b>Total investment, Rs.: 1.66 Lacs</b>			<b>Year of implementation: 2007</b>		
First year energy cost savings, Rs.: 14.24 /- Lacs/annum					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	<b>Other</b>
Energy consumption before	788400				
Energy consumption after	525600				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA
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ID to be filled by BEE	Title of the measure	<b>Sector - Cement</b>			
Year to be filled by BEE	<b>Replacement of HT motor with LT motor &amp; installation of V/F in ID Fan – CPP-1</b>	Technology .....			
Description of the energy conservation measure:					
<b>Modification of static part in ID fan suction duct - HT motor replaced with LT motor &amp; V/F drive in ID Fan – CPP-1.</b>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
<b>Agency that executed the project (with complete address and email): In-house installation</b>					
<b>Total investment, Rs.: 9.53 Lacs</b>			<b>Year of implementation: 2007</b>		
First year energy cost savings, Rs.: 9.45 /- Lacs/annum					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (KL)	<b>Other</b>
Energy consumption before	3410				
Energy consumption after	2739				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA
Company complete address: <b>BINANI CEMENT LIMITED</b> <b>P.O. BINANIGRAM, TEHSIL-PINDWARA</b> <b>DIST. SIROHI (RAJASTHAN)</b> <b>PIN : 307 025</b>				<b>We authorise Bureau to use this information for dissemination</b>  Signature  Date	
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**Annexure 'B'**

## 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	Sector - <b>Cement</b>
Year to be filled by BEE	<b>Installation of Solar Heater panels in company's Guest House</b>	Technology .....

Description of the energy conservation measure:

**One large Solar Heater of capacity 1 KL was installed in our Guest House to save electrical energy equal to 120 kWh/day. Total energy savings achieved 43800 kWh/annum**

Picture/ sketch/ drawing before modification (if available)

Picture/ sketch/ drawing after modification



**Agency that executed the project (with complete address and email): In-house installation**

**Total investment, Rs.: 1.60 Lacs**

**Year of implementation: 2007**

**First year energy cost savings, Rs.: 1.94- /- Lacs/annum**

**First year other savings, Rs.: Nil**

On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	43800				
Energy consumption after	Nil				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.14/kWh	NA	NA	NA	NA

Company complete address:

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