








Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure ELECTRICAL ENERGY CONSERVATION MEASURE	Sector ... CEMENT			
Year to be filled by BEE		Technology Renewable Energy Technology			
Description of the energy conservation measure: Reinforced Yoke with larger hub & bearings and new bypass damper in RM ESP installed in Unit - 1 Raw Mill					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
			 		
Agency that executed the project (with complete address and email): INHOUSE					
Total investment, Rs. 539.00 Lakhs			Year of implementation: 2006 - 07		
First year energy cost savings, Rs. 37.97 Lakhs					
First year other savings, Rs.: Not Applicable					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	23.0	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	22.3	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL	2.95	2827.32	Not Applicable	Not Applicable	Not Applicable
Company complete address: JAYPEE REWA PLANT JAYPEE NAGAR, DIST. - REWA (M . P.), PIN – 486450 TEL : 07662 - 229 212 - 217 & FAX : 07662 - 229 218 Email : gv.bhat@jalindia.co.in				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: SHRI G. V. BHAT, PRESIDENT (Tech.)				Signature :	
				Date : 18.10.2007	


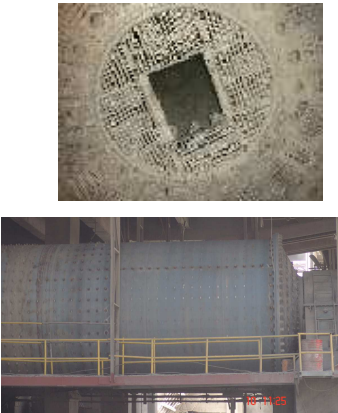
Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure THERMAL ENERGY CONSERVATION MEASURE	Sector ... CEMENT			
Year to be filled by BEE		Technology Latest Technology			
Description of the energy conservation measure: Pocket type cooler grate plates, supplied by FLS, installed in 1st & 2nd grate of Unit - 2 cooler					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): INHOUSE					
Total investment, Rs. 200.00 Lakhs			Year of implementation: 2006 - 07		
First year energy cost savings, Rs. 19.68 Lakhs					
First year other savings, Rs.: Not Applicable					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	Not Applicable	693	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	Not Applicable	691	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL	2.95	2827.32	Not Applicable	Not Applicable	Not Applicable
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ID to be filled by BEE	Title of the measure ELECTRICAL ENERGY CONSERVATION MEASURE	Sector ... CEMENT			
Year to be filled by BEE		Technology Latest Technology			
Description of the energy conservation measure: PTFE membrane filter bags installed in cement mill-2 KCP bag filter					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): INHOUSE					
Total investment, Rs. 3.50 Lakhs			Year of implementation: 2006 - 07		
First year energy cost savings, Rs. 5.75 Lakhs					
First year other savings, Rs.: Not Applicable					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-ck.)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	37.3	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	37.0	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL	2.95	2827.32	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE	ELECTRICAL ENERGY CONSERVATION MEASURE	Technology Latest Technology			
Description of the energy conservation measure: Cement Mill - 1 central diaphragm replaced with new AIA flow control type diaphragm and 1st chamber length reduced by 1.0 meter					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): AIA Engineering Pvt. Ltd., 115, G.V.M.M. Estate, Odhav Road, Ahmedabad – 382 410, Gujarat, India Tel : 079 – 2901078, Fax : 079 – 2901077, Email : rgm@aiaengineering.com					
Total investment, Rs. 40.00 Lakhs			Year of implementation: 2006 - 07		
First year energy cost savings, Rs. 175.70 Lakhs					
First year other savings, Rs.: Not Applicable					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	35.0	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	27.5	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL	2.95	2827.32	Not Applicable	Not Applicable	Not Applicable
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ID to be filled by BEE	Title of the measure ELECTRICAL ENERGY CONSERVATION MEASURE	Sector ... CEMENT			
Year to be filled by BEE		Technology Latest Technology			
Description of the energy conservation measure: Bucket Elevator for cement silo feeding in Cement Mill - 2					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): INHOUSE					
Total investment, Rs. 50.00 Lakhs			Year of implementation: 2006 - 07		
First year energy cost savings, Rs. 11.49 Lakhs					
First year other savings, Rs.: Not Applicable					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	29.7	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after	29.2	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL	2.95	2827.32	Not Applicable	Not Applicable	Not Applicable
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Year to be filled by BEE	ELECTRICAL ENERGY CONSERVATION MEASURE	Technology Trend Setter Technology			
Description of the energy conservation measure: Cement Mills - 1, 3 & 4 ESP converted in to bag house and ESP fan replaced with new high efficiency bag house fan with V/F					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Clair Engineers Pvt. Ltd., 207, Amrutha Ville, Rajbhavan Road, Hyderabad – 500 082, India Tel : 040 – 23313131, Fax : 040 – 23316150, Email : clair@clair.in					
Total investment, Rs. 126.12 Lakhs			Year of implementation: 2006 - 07		
First year energy cost savings, Rs. 28.67 Lakhs					
First year other savings, Rs.: Not Applicable					
On annual basis	KWh / MT-cem.	Coal (Kcal/ kg-clk.)	Gas Nm ³	Oil (kL)	Other
Energy consumption before (Only for Bag House Fan)	0.70	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy consumption after (Only for Bag House Fan)	0.30	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL	2.95	2827.32	Not Applicable	Not Applicable	Not Applicable
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