





Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector - " CEMENT SECTOR "			
Year to be filled by BEE	INSTALLATION OF PARALLEL PRE-HEATER TOWER FOR KILN - 2		Technology			
Description of the energy conservation measure:						
<p>Installation of Parallel Pre-heater Tower in Kiln-2 including following major modification :-</p> <p>i) Enlargement of Pre-heater down comer duct.</p> <p>ii) Installation of water spray system in Pre-heater down comer duct.</p> <p>iii) Modified Pre-Calcliner vessel and Riser duct.</p>						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
						
Agency that executed the project (with complete address and email): In house						
Total investment, Rs.Lakhs : 1880.00			Year of implementation: 2006-2007			
First year energy cost savings, Rs.Lakhs : 317.39						
First year other savings, Rs Lakhs .: 1345.85						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	16632	127856	--	--	--	
Energy consumption after	12474	124391	--	--	--	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.30	4000.00	--	--	--	
Company complete address: M/s. JK Lakshmi Cement Ltd. P.O. – Jaykaypuram, Dist.- Sirohi, Rajasthan, Pin- 307 019 Phone- (02971) 244 409, 244 410 Fax - (02971) 244 417.				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: Energy Manager				Signature		
				Date : 22.10.2007		

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector – “ CEMENT SECTOR “			
Year to be filled by BEE	REDUCTION IN POWER CONSP. BY MAJOR MODIFICATION IN BAG HOUSE	Technology			
Description of the energy conservation measure:					
i) Enlargement of Kiln-2&3 VRM Bag House inlet duct, outlet duct, outlet elbow and poppet damper cross section area for reduction in pressure drop. ii) Replaced fiber glass bags with PTFE fiberglass “laminated “ bags in Kiln – 2&3 Bag House to reduce pressure drop. iii) Enlargement of Kiln -2&3, VRM Bag House bypass duct. iv) Modified logic control of reverse air fan of Bag House of Kiln – 2 to reduce its running hours.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): In house.					
Total investment, Rs. Lakhs : 247.16 (For 1kiln)			Year of implementation: 2006 - 2007		
First year energy cost savings, Rs. Lakhs : 74.60 (For one kiln)					
First year other savings, Rs. Lakhs : 167.70 (For one kiln)					
On annual basis (For one kiln)	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	6847.60	--	--	--	--
Energy consumption after	5112.36	--	--	--	--
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.30	--	--	--	--
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