

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 Star delta converter for high rated motors	Sector ...General / paint
Year to be filled by BEE		Technology ...Star delta converter.....
Description of the energy conservation measure: Star Delta Converter for attritor of 50 hp rating. attritor runs on high load initially after charging & after on low load. During low load period, attritor continue to run on delta leading to high power consumption. To avoid this, star delta converter has been installed.		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
Agency that executed the project (with complete address and email): Canara Electric ,3 rd block ,Rajajinagar , bangalore Phone.no. 08023155265		
Total investment, Rs.:17000	Year of implementation:2007-08	
First year energy cost savings, Rs.:33671		
First year other savings, Rs.:		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before		
Energy consumption after		
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		
Company complete address: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> No.487/b2,4th phase ,near 14th cross,Peenya Industrial Area,Bangalore PIN 560058 Tel.No.08022950278,Fax No.08023154718,email ID : surfau3@rediffmail.com </div>		We authorise Bureau to use this information for dissemination Signature Date
Contact person who could be contacted for more information: Rahul Kulkarni		

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ID to be filled by BEE	Title of the measure	Sector ...General / paint			
Year to be filled by BEE	Maximum demand controller for power system.	Technology ... Maximum demand controller			
<p>Description of the energy conservation measure:</p> <p>When new machines of about 100 hp rating are added in system, there was expected rise of maximum demand by at least 75 KVA. After detailed study of load factor at any given time, we decided to schedule running time of machines in such a way that we could manage with the same demand. To have control on demand, maximum demand controlled is suggested. It is feasible to install maximum demand controller which will warn & cut the load if set demand is exceeding</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email): Canara Electric ,3 rd block ,Rajajinagar , bangalore Phone.no. 08023155265					
Total investment, Rs.:28000			Year of implementation:2007-08		
First year energy cost savings, Rs.: 162000					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address:				We authorise Bureau to use this information for dissemination	
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> No.487/b2,4th phase ,near 14th cross,Peenya Industrial Area,Bangalore PIN 560058 Tel.No.08022950278,Fax No.08023154718,email ID : surfau3@rediffmail.com </div>				Signature	
Contact person who could be contacted for more information:				Date	
Rahul Kulkarni					

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ID to be filled by BEE	Title of the measure Hour meter for ball mills	Sector ...General / paint			
Year to be filled by BEE		Technology ... Hour meter			
Description of the energy conservation measure: Ball Mill is an energy intensive machine which runs for 20 hours per batch. If the grinding time is not maintained properly, machine tend to run 1 to 1.5 hours more than desired. To avoid this, correct recording and accounting of running hours is needed throughout the batch. Hence hour meters are suggested.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email): Canara Electric ,3 rd block ,Rajajinagar , bangalore Phone.no. 08023155265					
Total investment, Rs.:2000			Year of implementation:2007-08		
First year energy cost savings, Rs.: 17008					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> No.487/b2,4th phase ,near 14th cross,Peenya Industrial Area,Bangalore PIN 560058 Tel.No.08022950278,Fax No.08023154718,email ID : surfau3@rediffmail.com </div>				We authorise Bureau to use this information for dissemination Signature Date	
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Agency that executed the project (with complete address and email): Canara Electric ,3 rd block ,Rajajinagar , bangalore Phone.no. 08023155265					
Total investment, Rs.:2000			Year of implementation:2007-08		
First year energy cost savings, Rs.: 17008					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">No.487/b2,4th phase ,near 14th cross,Peenya Industrial Area,Bangalore PIN 560058 Tel.No.08022950278,Fax No.08023154718,email ID : surfau3@rediffmail.com</div>				We authorise Bureau to use this information for dissemination Signature Date	
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ID to be filled by BEE	Title of the measure Lighting Redistribution	Sector ...General / paint			
Year to be filled by BEE		Technology ... Lighting Redistribution			
Description of the energy conservation measure: A single point control of more than one lamp was resulting in switching on lamps which are not required at that time. High wattage lamps (250 w) are to be provided with individual switches for on off control.					
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.:2300			Year of implementation:2007-08		
First year energy cost savings, Rs.: 2280					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> No.487/b2,4th phase ,near 14th cross,Peenya Industrial Area,Bangalore PIN 560058 Tel.No.08022950278,Fax No.08023154718,email ID : surfau3@rediffmail.com </div>				We authorise Bureau to use this information for dissemination Signature Date	
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ID to be filled by BEE	Title of the measure	Sector ...General / paint			
Year to be filled by BEE	Recalibration of Fuel Injection Pump of diesel generato	Technology ... Recalibration of Fuel Injection Pump			
Description of the energy conservation measure:					
<p>f fuel injection pump is not having optimum setting,it results into en -efficient burning of fuel I.e.higher consumption with more pollution. Fuel consumption of diesel generator set has increased considerably per unit.It is decided to re calibrate the same after repairing / replacing nozzles</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.:1200			Year of implementation:2007-08		
First year energy cost savings, Rs.: 8400					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
Company complete address:				We authorise Bureau to use this information for dissemination Signature Date	
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ID to be filled by BEE	Title of the measure	Sector ...General / paint			
Year to be filled by BEE	Calibration of attritors for optimum grinding in less time	Technology ... Reduction in grinding hours			
Description of the energy conservation measure:					
Grinding time of an attritor is depending on type & quantity of grinding media added apart from other factors.If optimum type & quantity is decided by scientific meathods,there will be reduction in grinding hours. Major part of energy consumption in factory is in attritor as they have to run more hours.If it is controlled,there will be major impact on energy consumption. Feasible & essential to carry out step by step study to achieve optimum grinding in attritor.					
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.:NIL			Year of implementation:2007-08		
First year energy cost savings, Rs.: 346560					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
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