


Energy Conservation Measure implemented in 2007-2008


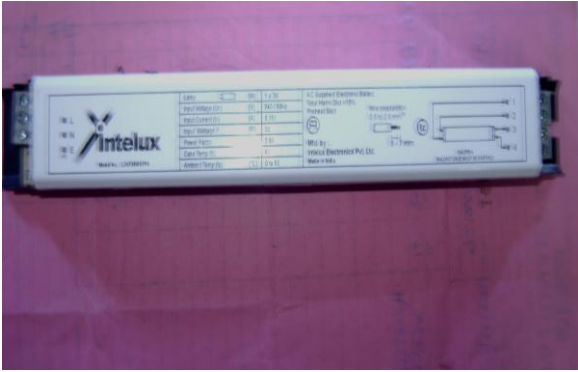
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Reducing T&D Loss by installing capacitor at load end.	Sector : General			
Year to be filled by BEE		Technology: Load end Capacitor bank			
Description of the energy conservation measure: Installation of capacitors at load end resulted in reducing KVA demand & distribution losses. We are able to consistently maintain unity power factor & receive incentives @ 7% on electricity bill. Our Total PF rebate for 2007-2008 is Rs 44 Lacs.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Material Supplied by: Hem Controls Project executed: In-house.					
Total investment, Rs.: 4 Lakhs			Year of implementation: 2007		
First year energy cost savings, Rs.: 5.21 Lakhs					
First year other savings, Rs.: Rs. : 42 Lakhs					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	NA	NA	NA	NA	NA
Energy consumption after	NA	NA	NA	NA	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.0	NA	NA	NA	NA
Company complete address: Tata AutoComp Systems Limited (Interiors & Plastics Division) Survey Nos 235&245, Village Hinjewadi Tal. Mulshi, Pune - 411057				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: L.Muthupandi Cell No. +91 9860490665				Signature	
				Date	

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ID to be filled by BEE	Title of the measure Replace Copper Choke with Electronic Ballast	Sector General			
Year to be filled by BEE		Technology Electronics Choke.			
Description of the energy conservation measure: Copper chokes have been replaced with high efficient electronics ballast .Before consumption with copper ballast was 0.67 KWh /day/fitting. Consumption with electronics ballast is 0.536 KWh. Cost saving is Rs-189/ year/ fittings. Cost of each choke is Rs- 375. Total Investment is Rs-4 Lacs. Also harmonics losses are less than 10%. Power factor improved from 0.57 to 0.99. Power consumption of an electronics choke is 32 W whereas power consumption of a copper choke is 42 watt.					
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification			
					
Agency that executed the project (with complete address and email): Material supplied by: BJ Marketing, Pune. Project executed : In-house					
Total investment, Rs.: 4 Lakhs		Year of implementation: 2008			
First year energy cost savings, Rs.: 3.76 Lakhs					
First year other savings, Rs.: NA					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	2.09	NA	NA	NA	NA
Energy consumption after	1.67	NA	NA	NA	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.0	NA	NA	NA	NA
Company complete address: Tata AutoComp Systems Limited (Interiors & Plastics Division) Survey Nos 235&245,Village Hinjewadi Tal. Mulshi, Pune - 411057				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: L.Muthupandi. Cell No. +91 9860490665				Signature	
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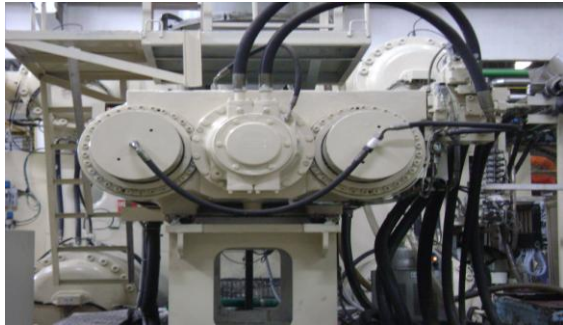
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ID to be filled by BEE	Title of the measure Interlocking of Grinder		Sector : General			
Year to be filled by BEE			Technology : Interlocking			
Description of the energy conservation measure: Previously grinder is running continuous for 24 hours. After interlocking grinder, it runs only in night shift at full load. Previously units consumed by grinder are 7838 KWh on average per month. After interlocking units consumed by grinder is 3399 KWh on average per month. So on average there is a saving of 4439 KWh per month. In addition to this we are getting rebate through TOD tariff.						
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.: 0.1 lakhs			Year of implementation: 2007			
First year energy cost savings, Rs. 1.92 Lakhs						
First year other savings, Rs.: NA						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	0.07	NA	NA	NA	NA	
Energy consumption after	0.03	NA	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.0	NA	NA	NA	NA	
Company complete address: Tata AutoComp Systems Limited (Interiors & Plastics Division) Survey Nos 235&245, Village Hinjewadi Tal. Mulshi, Pune - 411057				We authorize Bureau to use this information for dissemination		
Contact person who could be contacted for more information: Debraj Majumdar Cell No. +91 9881491501				Signature		
				Date		

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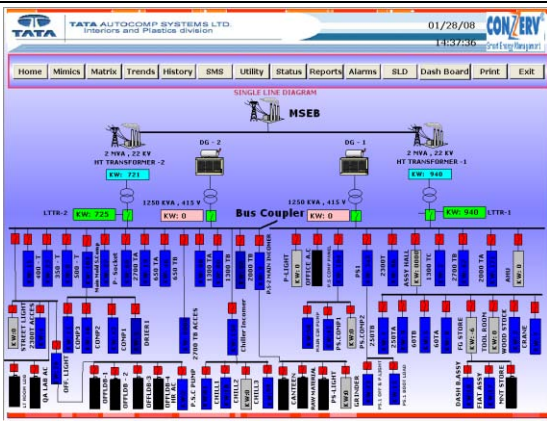
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ID to be filled by BEE	Title of the measure Parallel Operation of 2000T machine	Sector General			
Year to be filled by BEE		Technology Parallel Operation			
Description of the energy conservation measure: For molding machine cycle time break up is mold closing, clamping, injection, cooling-refilling and then mold opening. After modification, cooling-refilling & mould opening operation is happening simultaneously which resulted in cycle time reduction of 12 seconds. KWH avoidance (saving) of 280 Units/day. Annualized saving is Rs. 5.2 Lacs.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Engel India, Engel Machinery India Pvt. Ltd., 4100, C-Wing, Oberoi Garden Estate, Off Saki Vihar Road, Andheri (E), Mumbai-400072					
Total investment, Rs.:23 Lakhs			Year of implementation: 2007		
First year energy cost savings, Rs: 3.17 Lakhs					
First year other savings, Rs: NA					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	0.17	NA	NA	NA	NA
Energy consumption after	0.16	NA	NA	NA	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.0	NA	NA	NA	NA
Company complete address: Tata AutoComp Systems Limited (Interiors & Plastics Division) Survey Nos 235&245, Village Hinjewadi Tal. Mulshi, Pune - 411057				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Chandrashekhar.D Cell No. +91 9881724696				Signature	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Energy Management System	Sector General			
Year to be filled by BEE		Technology: PC based energy monitoring with system generated SMS & E mail facility			
Description of the energy conservation measure: Energy Management system (EMS) shows instantaneous 24 parameter i.e. KW, KWh, KVA, PF, A, V etc on PC desktop. EMS generates automatic SMS if the electrical parameter deviates from the set limits e.g. PF, KVA Demand. It also generates SMS for predictive Max Demand. This in turn gives time to reduce non critical load so that MD can be restricted to a desired limit.					
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification			
					
Agency that executed the project (with complete address and email): Conzerv Conzerv Systems Ltd., 44P Electronics City east Phase, Bangalore-560100. E-mail: contact@conzerv.com					
Total investment, Rs.: 23 Lakhs			Year of implementation: 2007		
First year energy cost savings, Rs.: 3.17 lakhs					
First year other savings, Rs.: NA					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	NA	NA	NA	NA	NA
Energy consumption after	NA	NA	NA	NA	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.0	NA	NA	NA	NA
Company complete address: Tata AutoComp Systems Limited (Interiors & Plastics Division) Survey Nos 235&245, Village Hinjewadi Tal. Mulshi, Pune - 411057				We authorise Bureau to use this information for dissemination	
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