




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 Energy Efficient fittings for Four Wheeler Assembly Warehouse	Sector : General Sector			
Year to be filled by BEE		Technology : Energy Conservation			
Description of the energy conservation measure: We were using High wattage focus lamps for the purpose of lighting in Four wheeler assembly ware house area. As a measure of energy conservation, we have modified low power, energy efficient metal halide fittings with reflective technology to reduce the energy consumption.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
 Metal Halide Fitting			 Low wattage Metal Halide Fitting		
Agency that executed the project (with complete address and email): Arul Electricals, Hosur					
Total investment, Rs.: 38,000 /-		Year of implementation: 2007			
First year energy cost savings, Rs.: 92,000 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	20.28	-	-	-	-
Energy consumption after	2.92	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management					



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 Energy Conservation in Mould Temperature Control Unit		Sector : General Sector			
Year to be filled by BEE			Technology : Energy Conservation			
Description of the energy conservation measure:						
<p>We are using mould temperature control units, for heating and circulation of hot water to the moulds, The heaters and circulation motors are switched ON continuously even during idle conditions and Low demand time leading to wastage of Energy.</p> <p>To eliminate the energy wastage, we have modified the circuit with an interlock to switch ON water circulation pump only when the main power pack is switched ON. By this we were able to reduce the running time of the circulation pumps and heat loss.</p>						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
			 <p style="text-align: center;">HK MTCU</p>			
Agency that executed the project (with complete address and email): In - House						
Total investment, Rs.: 16,000 /-		Year of implementation: 2007				
First year energy cost savings, Rs.: 2,14,300 /-						
First year other savings, Rs.: Nil						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	160.23	-	-	-	-	
Energy consumption after	156.19	-	-	-	-	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-	
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination		
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management						
				Signature		
				Date		


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 Alternate Fuel for Total Canteen	Sector : General Sector			
Year to be filled by BEE		Technology : Fuel Substitution			
Description of the energy conservation measure:					
In our canteen, we are using Burners fired with Diesel for Steam generation for cooking purpose. As a method of conserving energy, we have modified the diesel burners to High Calorific Value fuel LPG fired burners which resulted in Energy saving and reduced Pollution.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
 Diesel Fired Burners			 LPG Fired Burners		
Agency that executed the project (with complete address and email): In - House					
Total investment, Rs.: 30,000 /-		Year of implementation: 2007			
First year energy cost savings Rs.: 3,14,120 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	-	-	-	-	100.39
Energy consumption after	-	-	-	-	65.49
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	-	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager – Maintenance & Energy Management.				Signature	
				Date	



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 LDR for Factory and Street Lighting	Sector : General Sector			
Year to be filled by BEE		Technology : Energy Conservation			
Description of the energy conservation measure:					
<p>In our factory lighting we were using Timers for auto switching . As an energy conservation measure, we have introduced a Light Dependent resistor (LDR) for auto switching of lights depending upon the Light levels which reduced wastage of Energy.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
			 Automatic Lighting Control Panel		
Agency that executed the project (with complete address and email): In - House					
Total investment, Rs.: 8,000 /-		Year of implementation: 2007			
First year energy cost savings, Rs.: 88,105 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	268.47	-	-	-	-
Energy consumption after	266.72	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management					



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 Energy Efficient fittings for Street Lighting		Sector : General Sector			
Year to be filled by BEE			Technology : Energy Conservation			
Description of the energy conservation measure:						
<p>We were using Mercury vapour lamps for street lighting in our factory premises. As a measure of energy conservation, we have replaced the Mercury vapour lamps by Low power, energy efficient T5 Fittings with reflective technology to reduce the energy consumption with Same lumen levels.(250 watts to 96 watts)</p>						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
 Mercury Vapour Lamps			 T5 Tube Fittings			
Agency that executed the project (with complete address and email): Asian Fittings						
Total investment,		Rs.: 1,50,000 /-	Year of implementation: 2007			
First year energy cost savings, Rs.: 1,47,000 /-						
First year other savings, Rs.: Nil						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	271.01	-	-	-	-	
Energy consumption after	268.46	-	-	-	-	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-	
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination 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 Automatic Power Factor Controller	Sector : General Sector			
Year to be filled by BEE		Technology : Energy Conservation			
Description of the energy conservation measure: To improve and maintain the power factor, we have replaced the Group capacitor banks to Automatic power factor controller. This works as an Poka Yoke system and maintaining the power factor close to unity, which increases the equipment performance and reduces the energy loss.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
 Group Capacitors			 Automatic Power Factor Controller		
Agency that executed the project (with complete address and email): In - House					
Total investment, Rs.: 2,00,000 /-		Year of implementation: 2007			
First year energy cost savings, Rs.: 2,59,000 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	2144.37	-	-	-	-
Energy consumption after	2139.19	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management.				Signature	
				Date	


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 : General Sector			
Year to be filled by BEE	Energy Conservation in Vacuum System	Technology : Energy Conservation			
Description of the energy conservation measure:					
<p>Three vacuum pumps are connected and is continuously running for 24 hrs to for vacuum suction in the mould. We have identified the vacuum pumps are running continuously during idle time also. To reduce the wastage of energy, we have modified the control circuit with timer to cut off the pump during idle pump.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
 <p>Vacuum Pump Control Panel</p>			 <p>Vacuum Pump Control Panel with timers</p>		
Agency that executed the project (with complete address and email): In - House					
Total investment, Rs.: 6,000 /-		Year of implementation: 2007			
st year energy cost savings, Rs.: 66,100 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	32.4	-	-	-	-
Energy consumption after	19.9	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management				Signature	
				Date	


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 Waste Heat Recovery System in Canteen Boilers		Sector : General Sector		
Year to be filled by BEE			Technology : Waste Heat Recovery		
Description of the energy conservation measure: We are using steam boilers for the purpose of cooking food in our canteen; the boiler water drain is continuously kept ON till the steam pressure is achieved. We have connected a SS tank to collect the drained hot water and is reused in the recirculation line of the boiler, inturn conserving energy by waste heat recovery method.					
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification			
		 <p style="text-align: center;">Canteen Blow Down Tank</p>			
Agency that executed the project (with complete address and email): In - House					
Total investment, Rs.: 24,000 /-		Year of implementation: 2007			
First year energy cost savings, Rs.: 61,600 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	-	-	-	-	62.7
Energy consumption after	-	-	-	-	58.6
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	-	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management				Signature	
				Date	

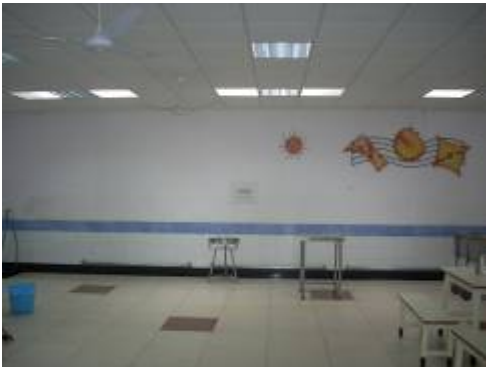
Energy Conservation Measure implemented in 2007-2008

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

ID to be filled by BEE	Title of the measure	Sector : General Sector			
Year to be filled by BEE	Usage of Recycled water for Gardening	Technology : Water Conservation			
Description of the energy conservation measure:					
<p>In water system, the feed pumps are running continuously to cater the process and other requirements. As a method on conserving energy, we have provided over head tanks with automatic level controls to minimize the running hours of the water system.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
			 <p style="text-align: center;">Over head water storage tank</p>		
Agency that executed the project (with complete address and email): In - house					
Total investment, Rs.: 70,000 /-		Year of implementation: 2007			
st year energy cost savings, Rs.: 59,010 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	62.1	-	-	-	-
Energy consumption after	50.3	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management					


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 : General Sector			
Year to be filled by BEE	Natural Lighting for Canteen Dining Hall	Technology : Renewable Energy			
Description of the energy conservation measure:					
<p>Fluorescent light fittings in our canteen dining hall are switched ON condition continuously for illuminating the dining hall even during day time, increasing the energy consumption.</p> <p>As a energy conservation measure and to improve the lighting, we have modified the roofing and the false ceiling for better utilization of natural – solar day light in the dining area.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
			 <p style="text-align: center;">Natural Lighting - Solar</p>		
Agency that executed the project (with complete address and email): In - House					
Total investment, Rs.: 15,000 /-		Year of implementation: 2007			
st year energy cost savings, Rs.: 31,100 /-					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal
Energy consumption before	12.4	-	-	-	-
Energy consumption after	11.8	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management					

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 Energy Conservation at Solar Evaporation Pond		Sector : General Sector			
Year to be filled by BEE			Technology : Energy Conservation			
Description of the energy conservation measure:						
<p>We are using six nos centrifugal pumps of 1.5 kw each for our Solar evaporation pond to facilitate evaporation. As a energy conservation measure, we have reduced the total pump rating to 4.5 kw with energy efficient motors with valve arrangements saving energy .</p>						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
			 <p style="text-align: center;">Solar Evaporation Pond</p>			
Agency that executed the project (with complete address and email): In - House						
Total investment, Rs.: 12,000 /-			Year of implementation: 2007			
First year energy cost savings, Rs.: 1,339,00 /-						
First year other savings, Rs.: Nil						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other Heat MKCal	
Energy consumption before	33.74	-	-	-	-	
Energy consumption after	31.21	-	-	-	-	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.77	-	-	-	-	
Company complete address: HARITA SEATING SYSTEMS LIMITED Hosur – Thally Road Belagondapalli Hosur - 635114				We authorise Bureau to use this information for dissemination Signature Date		
Contact person who could be contacted for more information: Mr. Murugan K – Sr. Manager - Maintenance & Energy Management						