






Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	LBS - 1	Sector - Automobile.....			
Year to be filled by BEE	IT Guns in place of Conventional spot welding guns	Technology			
Description of the energy conservation measure:					
Procurement of the IT guns were carried out at time of installation of Logan Body Shop after comparing with existing Conventional spot welding guns (Non IT Guns) in the other shops.150 Nos of 45 kVA rating IT guns are installed in place of conventional 150 KVA guns for spot welding. IT guns consumes less energy as compared to Non –IT guns due to reduction is losses.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email):Logan Project Team					
Total investment, Rs.:450 Lakhs(Over & above)	Year of implementation:2006-2007				
First year energy cost savings, Rs.: 32.20 Lakhs					
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/ Nm³/ kL ...	4.00				
Company complete address: M/S Mahindra & Mahindra 89 MIDC Satpur Nashik -422007 Maharashtra				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. S.C. Tambat (Maintenance Manager – Logan Body Shop)				Signature	
				Date	


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	LBS - 2	Sector - Automobile.....			
Year to be filled by BEE	Central switching arrangement for Tube lights and fans	Technology			
Description of the energy conservation measure:					
Central switching arrangement is done for 1500 nos of tube lights and 100 nos of fans. Previously switching OFF were carried out by individual users. All the tube lights and fans are switched off during break timings of 90 minutes per day by single operator.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
Staggered switch at different locations for tube lights and fans.					
Agency that executed the project (with complete address and email): Logan Project Team					
Total investment, Rs.: 0.50 Lakhs	Year of implementation: 2006-2007				
First year energy cost savings, Rs.: 2.34 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	6,63				
Energy consumption after	6,04				
Energy tariff, Rs/ kWh/ Ton/ Nm³/ kL	4.00				
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Contact person who could be contacted for more information: Mr. S.C. Tambat (Maintenance Manager – Logan Body Shop)				Signature	
				Date	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	LBS - 3	Sector - Automobile.....			
Year to be filled by BEE	Stop and go conveyor in place of continuous conveyor	Technology			
Description of the energy conservation measure:					
<p>The conveyor carrying Logan bodies was continuous running even though there were no bodies. This continuous operation converted to stop and go mode by PLC based programming. The conveyor is stopped for 6 seconds for each body. The energy saving of 30,300 kWh is achieved per annum.</p>					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Logan Project Team					
Total investment, Rs.: Nil	Year of implementation: 2006-2007				
First year energy cost savings, Rs.: 1.21 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	117				
Energy consumption after	87				
Energy tariff, Rs/ kWh/ Ton/ Nm³/ kL	4.00				
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Contact person who could be contacted for more information: Mr. S.C. Tambat (Maintenance Manager – Logan Body Shop)				Signature Date	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	LBS - 4	Sector - Automobile.....			
Year to be filled by BEE	Installation of Lighting energy saving unit of 140 kVA	Technology			
Description of the energy conservation measure:					
<p>The voltage level varies from 230 to 245 V during 24 hrs. The lighting energy saver of 140 kVA is installed for 300 twin 50 W Florescent tube lights to maintain 210 V constantly. Presently lighting energy saver is of excess capacity. Additional capacity is planned to use for additional lighting load of the plant by rerouting the cables. The energy saving of 15,300 kWh per annum has been achieved by voltage reduction.</p>					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
<p>The voltage level varies from 230 to 245 V during 24 hrs.</p>					
Agency that executed the project (with complete address and email): Logan Project Team					
Total investment, Rs.: 3.80 Lakhs	Year of implementation: 2006-2007				
First year energy cost savings, Rs.: 1.30 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	153				
Energy consumption after	137				
Energy tariff, Rs/ kWh/ Ton/ Nm³/ kL	4.00				
Company complete address: M/S Mahindra & Mahindra 89 MIDC Satpur Nashik -422007 Maharashtra				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. S.C. Tambat (Maintenance Manager – Logan Body Shop)				Signature	
				Date	