





## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<b>Sco B S - 1</b>	Sector - Automobile.....			
Year to be filled by BEE	<b>Replacement of twin 700 FTLs with single high lumen tube</b>	Technology .....			
<b>Description of the energy conservation measure:</b>					
In Scorpio body shop, 750 nos of 40 W twin conventional ballast Florescent tube lights were replaced by electronic ballast, single high lumen Florescent tube lights. The energy savings of 2.03 lakhs kWh per annum has been achieved.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 4.20 Lakhs	Year of implementation:2006-2007				
First year energy cost savings, Rs.: 8.14 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	357				
Energy consumption after	154				
Energy tariff, <b>Rs/ kWh/ Ton/ Nm<sup>3</sup>/ kL</b>	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.X. Pinto (Maintenance Manager – Scorpio Body Shop)				Signature	
				Date	



## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<b>Sco B S - 2</b>	Sector - Automobile.....			
Year to be filled by BEE	<b>Speed reduction of fresh air fan in CO<sub>2</sub> welding section</b>	Technology .....			
<b>Description of the energy conservation measure:</b>					
Variable Frequency drive has been installed on fresh air fan in CO <sub>2</sub> welding machine. The 10% speed reduction results into energy saving of 20,400 kWh per annum.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
 <p style="margin-top: 10px;">Fresh Air Supply Blower</p>	 <p style="margin-top: 10px;">VFD for Fresh Air Supply Blower</p>				
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.80 Lakhs	Year of implementation:2006-2007				
First year energy cost savings, Rs.: 0.82 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	40.8				
Energy consumption after	20.4				
Energy tariff, <b>Rs/ kWh/ Ton/ Nm<sup>3</sup>/ kL</b>	4.00				
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Contact person who could be contacted for more information: Mr. S.X. Pinto (Maintenance Manager – Scorpio Body Shop)				Signature	
				Date	


## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<b>Sco B S - 3</b>			Sector - Automobile.....	
Year to be filled by BEE	<b>Switching off one 7.5 TR air conditioner from two 7.5 TR</b>			Technology .....	
<b>Description of the energy conservation measure:</b>					
In Scorpio body shop, 2 nos of 7.5 TR air conditioners were operating for CMM machine room. The temperature setting were changed from 22°C to 24°C and one 7.5 TR air conditioners was switched off. The energy savings of 20,400 kWh per annum has been achieved without compromising the comfort level.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
2 nos 7.5 TR ACs were in operation for CMM machine room			Now Only one no 7.5 TR AC is in operation for CMM machine room		
Agency that executed the project (with complete address and email):Sco Body shop Maint team					
Total investment, Rs.: Nil			Year of implementation:2006-2007		
First year energy cost savings, Rs.: 0.82 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	71				
Energy consumption after	51				
Energy tariff, <b>Rs/ kWh/ Ton/ Nm<sup>3</sup>/ kL</b>	4.00				
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				Date	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<b>Sco B S - 4</b>	Sector - Automobile.....			
Year to be filled by BEE	<b>Replacing 400 W SV high bay fittings with 250 W MH fittings (25 nos)</b>	Technology .....			
<b>Description of the energy conservation measure:</b>					
In Scorpio Body shop, 25 nos of 400 W Sodium Vapor high bay fittings are replaced by 250 W Metal Halide fittings. The energy saving of 19,125 kWh per annum was achieved.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
					
Agency that executed the project (with complete address and email): Sco Body Maint Team					
Total investment, Rs.: Lakhs	Year of implementation: 2006-2007				
First year energy cost savings, Rs.: 0.98 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	51				
Energy consumption after	32				
Energy tariff, <b>Rs/ kWh/ Ton/ Nm<sup>3</sup>/ kL</b>	4.00				
Company complete address: M/S Mahindra & Mahindra 89 MIDC Satpur Nashik -422007 Maharashtra				We authorise Bureau to use this information for dissemination	
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				Date	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	<b>Sco B S - 5</b>			Sector - Automobile.....	
Year to be filled by BEE	<b>Permanent disconnection of high bay fittings</b>			Technology .....	
<b>Description of the energy conservation measure:</b>					
In Scorpio Body shop, based on lux level 34 nos 400 W Sodium Vapor high bay fittings were disconnected. The energy saving of 69,360 kWh per annum was achieved.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
			34 nos 400 W Sodium Vapor high bay fittings were disconnected.		
Agency that executed the project (with complete address and email): Sco Body Shop Maint Team					
Total investment, Rs.: Nil			Year of implementation: 2006-2007		
First year energy cost savings, Rs.: 2.77 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	69				
Energy consumption after	0				
Energy tariff, <b>Rs/ kWh/ Ton/ Nm<sup>3</sup>/ kL</b>	4.00				
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