



### 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 <b>Energy Efficient Pumps for water application</b>	Sector .....			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:  High Power consumption pumps were used for water applications which were replaced by efficient pumps.					
<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.: 2.91 Lac			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 6.28 Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	233538				
Energy consumption after	119252				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				
Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Gajanan Patil Production Manager				Signature	
				Date	

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### Energy Conservation Measure implemented in 2007-2008

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ID to be filled by BEE	Title of the measure  Interlocking of Boiler Conveyors Tripping on High pressure	Sector .....			
Year to be filled by BEE		Technology .....			
<p>Description of the energy conservation measure: Earlier the conveyors were running idle when boiler used to trip at high pressure. To conserve energy all the conveyors were interlocked so that they trip after boiler trips.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.:0.15 Lac			Year of implementation:2007-08		
First year energy cost savings, Rs.: 0.72 Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	163699				
Energy consumption after	150603				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				
Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra  Contact person who could be contacted for more information: Gajanan Patil Production Manager				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  CFL Lamps for Street Lighting	Sector .....			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:  Mercury Vapor Lamps used for street lighting were subsequently replaced by CFL for power consumption reduction.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Mercury vapor lamps			CFL Lamps		
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.49 Lac			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 0.73 Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	143280				
Energy consumption after	130023				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				
Company complete address: Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra  Contact person who could be contacted for more information: Gajanan Patil Production Manager				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  CFL Lamps for Packing Department	Sector .....			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:  Mercury Vapor Lamps used for Packing department were subsequently replaced by CFL for power consumption reduction.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
<b>Mercury vapor lamps</b> 			<b>CFL Lamps</b> 		
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.49 Lac			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 0.73 Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	74255				
Energy consumption after	65344				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				
Company complete address: Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra  Contact person who could be contacted for more information: Gajanan Patil Production Manager				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  Providing Flat Belt for ID Fans of Boiler & TF Heater	Sector .....			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:  For driving ID fans V belts were used which used to consume more energy. These belts were replaced by flat belts.					
<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.: 0.25 Lac			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 0.53 Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	273821				
Energy consumption after	264237				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				
Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra  Contact person who could be contacted for more information: Gajanan Patil Production Manager				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  Providing Natural Roof Ventilators instead of Exhaust Fans	Sector .....			
Year to be filled by BEE		Technology .....			
Description of the energy conservation measure:					
<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.: 0.22 Lac		Year of implementation: 2007-08			
First year energy cost savings, Rs.: 0.48 Lac					
First year other savings, Rs.: 0.48 Lac					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	8600				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				
Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra  Contact person who could be contacted for more information: Gajanan Patil Production Manager				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  Flow Rate Improvement for CORN & RBO		Sector .....		
Year to be filled by BEE			Technology .....		
Description of the energy conservation measure:  We have done a flow rate Improvement in CORN oil and Rice Bran Oil from 120 TPD to 140 TPD. This has eliminated reduced speed losses. Due to this the Power and Fuel required per MT of oil processed has reduced.					
<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.: 0 Rs			Year of implementation:		
First year energy cost savings, Rs.: 8.25 Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Bagasse MT
Energy consumption before	500000				3360
Energy consumption after	428571				2880
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				900
Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra  Contact person who could be contacted for more information: Gajanan Patil Production Manager				We authorize 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 Continuous Dewaxing	Sector .....			
Year to be filled by BEE	Technology .....				
Description of the energy conservation measure:					
<p>Batch Process was used in Dewaxing Section for Sunflower Oil. In this we were getting 50 TPD Production.</p> <p>We have modified the process from Batch to Continuous Dewaxing. Due to this we have increased The production from 50 TPD to 60 TPD</p>					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
<p style="text-align: center;"><b>OLD PROCESS- BATCH PROCESSING</b></p>			<p style="text-align: center;"><b>NEW PROCESS CONTINUOUS PROCESS</b></p>		
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.5 Rs Lac			Year of implementation:		
First year energy cost savings, Rs.: 4.81 Rs Lac					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Bagasse MT
Energy consumption before	470400				336
Energy consumption after	392000				280
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	5.5				900
Company complete address: Marico Limited E-10 MIDC Area, Ajanta Road Jalgaon – 425003 Maharashtra				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Gajanan Patil Production Manager				Signature	
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