


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 Motor pump replacement	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Energy Analyser Meter.....
Description of the energy conservation measure: 90 kw motor pump in cooling tower was replaced by 55 kw		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 1.50 lakhs		Year of implementation: 2007

First year energy cost savings, Rs.: 13.71 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	7128				
Energy consumption after	4356				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
Company complete address: Ruchi Soya Industries Ltd, Factory:- Survey No. 2(P), 3(P) & 4(P),KIADB Industrial Area, Baikampady, Mangalore Pin:575010.Karnataka.				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Abhay Gautam.G.M (works), Mobile- 09731563515, Direct-(0824) 2400801, fax :- (0824) 2406384. Email:-abhay_gautam@ruchigroup.com.				Signature Date	

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ID to be filled by BEE	Title of the measure Motor pump replacement	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Energy Analyser Meter.....
Description of the energy conservation measure: 55 kw motor pumps in the clean cooling tower-2 sets were replaced by 30 kw & 18.5 kw motor pumps		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 2.00 lakhs	Year of implementation: 2007	

First year energy cost savings, Rs.: 24.11 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	8712				
Energy consumption after	3841				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure Motor replacement	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Energy Analyser Meter.....
Description of the energy conservation measure: 22 kw motors in the crystallizers agitators -6 sets were replaced by 11 kw		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 1.00 lakhs		Year of implementation: 2008

First year energy cost savings, Rs.: 4.80 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	1980				
Energy consumption after	1009				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
Company complete address: Ruchi Soya Industries Ltd, Factory:- Survey No. 2(P), 3(P) & 4(P),KIADB Industrial Area, Baikampady, Mangalore Pin:575010.Karnataka. Contact person who could be contacted for more information: Abhay Gautam.G.M (works), Mobile- 09731563515, Direct-(0824) 2400801, fax :- (0824) 2406384. Email:-abhay_gautam@ruchigroup.com.				We authorise Bureau to use this information for dissemination Signature Date	

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ID to be filled by BEE	Title of the measure Motor pumps replacement	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Energy Analyser Meter..... ...
Description of the energy conservation measure: 18.5 kw motor pumps in the crystallizers -6 sets were replaced by 7.5 kw		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 1.00 lakhs	Year of implementation: 2008	

First year energy cost savings, Rs.: 25.84 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	8791				
Energy consumption after	3564				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure Motor pumps replacement	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology ...Energy Analyser Meter.....
Description of the energy conservation measure: chiller which was running with 37.5 kw motor pump was replaced by 18.5 kw		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 0.300 lakhs		Year of implementation: 2008

First year energy cost savings, Rs.: 7.43 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	2970				
Energy consumption after	1465				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure Motor pumps replacement	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology ...Energy Analyser Meter.....
Description of the energy conservation measure: 75 kw motor pump for crystallizers process water was replaced by 22 kw		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 0.500 lakhs		Year of implementation: 2008

First year energy cost savings, Rs.: 20.79 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	5940				
Energy consumption after	1742				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure Removal of chiller	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology
Description of the energy conservation measure: chiller which was running with 200 kw motor was removed		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 0.000 lakhs		Year of implementation: 2008

First year energy cost savings, Rs.: 78.41 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	15840				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure Removal of chiller water pump motor	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology
Description of the energy conservation measure: chiller water pump motor of 15 kw was removed		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 0.000 lakhs		Year of implementation: 2008

First year energy cost savings, Rs.: 5.89 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	1188				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
Company complete address: Ruchi Soya Industries Ltd, Factory:- Survey No. 2(P), 3(P) & 4(P),KIADB Industrial Area, Baikampady, Mangalore Pin:575010.Karnataka.				We authorise Bureau to use this information for dissemination	
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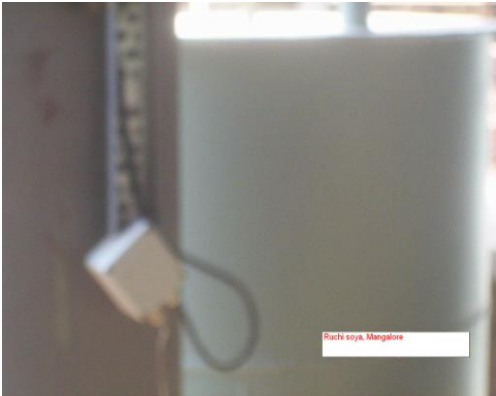
ID to be filled by BEE	Title of the measure Removal of water pump motor	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Energy Analyser Meter..... ...
Description of the energy conservation measure: 22 kw water pump motor in the crystallizers process were removed -2 sets		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		

Agency that executed the project (with complete address and email): self					
Total investment, Rs.: 0.000 lakhs			Year of implementation: 2008		
First year energy cost savings, Rs.: 17.23 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	3484				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE	- Installation of on-line temperature measuring instruments	Technology ...Temperature Controlling.....
Description of the energy conservation measure: Temperature controller introduced in the cooling tower fan motor		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 0.180 lakhs	Year of implementation: 2008	

First year energy cost savings, Rs.: 0.20 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	1505				
Energy consumption after	1465				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE	- Installation of variable frequency drive	Technology Energy Analyser Meter..... ...
Description of the energy conservation measure: Speed reduction in thermic fluid boiler ID,FD &PA fans converted thro VFD introduction		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 1.2 lakhs	Year of implementation: 2008	

First year energy cost savings, Rs.:7.13 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	4918				
Energy consumption after	3478				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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ID to be filled by BEE	Title of the measure – Replacement of inefficient boiler with efficient one	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Thermic Fluid Coal Fired.....
Description of the energy conservation measure: Thermic fluid boiler was replaced to use coal instead of furnace oil		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 125 lakhs	Year of implementation: 2008	

First year energy cost savings, Rs.112.56 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before				1286.81	
Energy consumption after		1173		532.81	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		2782		19256	
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ID to be filled by BEE	Title of the measure - Installation of variable frequency drive	Sector ...Edible oil/ Vanaspati.....
Year to be filled by BEE		Technology Energy Analyser Meter..... ...
Description of the energy conservation measure: VFD introduced in oil pumps -8 nos		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email): self		
Total investment, Rs.: 10 lakhs	Year of implementation: 2008	

First year energy cost savings, Rs.12.67 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	12396				
Energy consumption after	9836				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.95				
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