
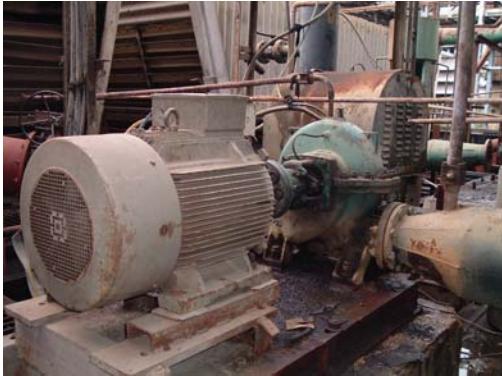



## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure  Energy substitution (Using gravitational force)	Sector ---Edible oil / vanaspathy			
Year to be filled by BEE		Technology – natural resource			
Description of the energy conservation measure:  One motor pump each (60 hp & 25hp) in the Colling tower circuit was removed by introducing a balance tanks at high altitude their by the pumping back was avoided.					
<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): Internal.					
Total investment, Rs.:4,75,000/=			Year of implementation: 2006		
First year energy cost savings, Rs.:11,45,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy saving	249				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60				
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.  Contact person who could be contacted for more information: R.Ravichandran.G.M (works), Mobile- 09444444039, Direct-(044) 27629451, fax :- (044) 27629292. Email:-r_ravichandran@ruchigroup.com				We authorise Bureau to use this information for dissemination  Signature  Date 24.10.2007.	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ---Edible oil / vanaspathy			
Year to be filled by BEE	Replacement of old in efficient equipment (Optimum resource utilisation.)	Technology –Electrical Engineering.			
Description of the energy conservation measure:					
13 sets of motors / motor pumps of higher rating were replaced with lower rating					
<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): Internal.					
Total investment, Rs.:5,30,000/=			Year of implementation:2006		
First year energy cost savings, Rs.: 36,98,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy savings	804				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60				
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector ---Edible oil / vanaspathy		
Year to be filled by BEE	Mordenisation of equipment . (Direct power transmission.)		Technology –Electronics & Instrumentation.		
Description of the energy conservation measure:  Introduction of VFD instead of belt / gear power transmission/ reduction at 8 places					
<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): Internal.					
Total investment, Rs.:12,00,000/=			Year of implementation: 2006-07		
First year energy cost savings, Rs.:1,75,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy saving	38				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60				
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.  Contact person who could be contacted for more information: R.Ravichandran.G.M (works), Mobile- 09444444039, Direct-(044) 27629451, fax :- (044) 27629292. Email:-r_ravichandran@ruchigroup.com				We authorise Bureau to use this information for dissemination  Signature  Date 24.10.2007.	


## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector ---Edible oil / vanaspathy		
Year to be filled by BEE	Mordenisation of equipment with high investment .		Technology Mechancial engineering.		
Description of the energy conservation measure:					
New type of filter replaced which offers less friction in the process.					
<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): Internal.					
Total investment, Rs.:1,25,00,000/=			Year of implementation:2006		
First year energy cost savings, Rs.:86,72,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy savings	7,44,000	1000			
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60	5250			
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.				We authorise Bureau to use this information for dissemination	
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				Date 24.10.2007.	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector ---Edible oil / vanaspathy		
Year to be filled by BEE	Minor modification in existing equipments. (Dead weight reduction)		Technology Material science.		
Description of the energy conservation measure:					
Cooling tower fan blades made of Aluminium were replaced by FRP blades.					
<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): Internal.					
Total investment, Rs.:2,40,000/=			Year of implementation:2006		
First year energy cost savings, Rs.:4,97,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy saving	108				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60				
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector ---Edible oil / vanaspathy		
Year to be filled by BEE	Energy substitution (Optimum utilization of equipments.)		Technology industrial engineering.		
Description of the energy conservation measure:					
Based on the load calculation, existing VAM was connected with the system which was originally catered / cooled by ordinary refrigeration system.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Internal.					
Total investment, Rs.:1,20,000/=			Year of implementation: 2006		
First year energy cost savings, Rs.:29,92,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy saving	760	-100			
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60	2520			
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.				We authorise Bureau to use this information for dissemination	
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				Date 24.10.2007.	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Process monitoring and control		Sector ---Edible oil / vanaspathy		
Year to be filled by BEE			Technology electronics & Instrumentation.		
Description of the energy conservation measure:  Temperature controller introduced in the colling tower fan motor.					
<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): Internal.					
Total investment, Rs.:18,000/=			Year of implementation:2006		
First year energy cost savings, Rs.:18,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy saving	4				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.60				
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.  Contact person who could be contacted for more information: R.Ravichandran.G.M (works), Mobile- 09444444039, Direct-(044) 27629451, fax :- (044) 27629292. Email:-r_ravichandran@ruchigroup.com				We authorise Bureau to use this information for dissemination  Signature  Date 24.10.2007.	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector ---Edible oil / vanaspathy			
Year to be filled by BEE	Energy substitution measures. (using alternate fuel)	Technology –Petroleum engg			
Description of the energy conservation measure:					
For thermic fluid boiler Burners as well as eletrifications were changed to use Furnce oil instead of Diesel					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email): Internal.					
Total investment, Rs.:12,50,000/=			Year of implementation:2006		
First year energy cost savings, Rs.:10043000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	F.Oil (kL)	Deisel (KL)
Energy saving				-463.43	681.94
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...				22907	32651
Company complete address: Ruchi Soya Industries Ltd, Ellapuram Block, No; 90, Kannigaipair Village, Periyapalayam Road, Uthukottai Taluk, Tiruvallur Dist. Pin: 601 102. Tamil Nadu.  Contact person who could be contacted for more information: R.Ravichandran.G.M (works), Mobile- 09444444039, Direct-(044) 27629451, fax :- (044) 27629292. Email:-r_ravichandran@ruchigroup.com				We authorise Bureau to use this information for dissemination  Signature  Date 24.10.2007.	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector ---Edible oil / vanaspathy			
Year to be filled by BEE	Replacement & modernisation of equipments.		Technology electrical engineering.			
Description of the energy conservation measure:						
By doing all the above variation the nett power demand has come down there by 500KVA was surrendered back to Electricity Board						
<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): Internal.						
Total investment, Rs.:			Year of implementation:			
First year energy cost savings, Rs.:15,00,000/=						
First year other savings, Rs.:						
On annual basis	kVA <sup>1</sup>	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other	
Energy saved-	500					
Energy consumption after						
Energy tariff, Rs/ kWA	300					
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