


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 Process Monitoring Control		Sector ---Edible oil		
Year to be filled by BEE			Technology -Electrical & electronics Engg		
Description of the energy conservation measure: Automatic energy saving panel for lightning circuit with APFC introduced with a saving of 260units/day					
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.: 6,00,000 /=-			Year of implementation: 2008		
First year energy cost savings, Rs4,71,000:/=-					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving	100				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.71				
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: P.DuraiSamy.G.M (works), Mobile- 09790998110, Direct-(044) 27629451, fax :- (044) 27629292. Email:-p_duraisamy@ruchigroup.com				We authorise Bureau to use this information for dissemination Signature Date 30.09.2008.	

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ID to be filled by BEE	Title of the measure	Sector ---Edible oil			
Year to be filled by BEE	Optimum Utilization Of Equipments	Technology -Industrial Engg			
Description of the energy conservation measure:					
Based on load calculation and experience, Cooling tower belongs to 100tpd plant (55HP) was shut and the same circuit was connected with cooling tower in vanaspathy plant thro a 20HP pump					
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.:20,000 /=-			Year of implementation: 2008		
First year energy cost savings, Rs.5,18,000:/=-					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving	110				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.71				
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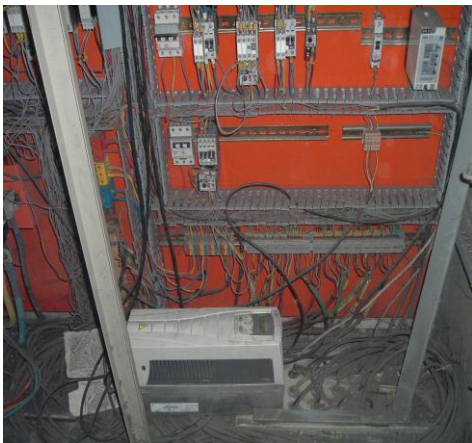
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ID to be filled by BEE	Title of the measure	Sector ---Edible oil			
Year to be filled by BEE	Minor Modification in existing equipments	Technology -Material Science.			
Description of the energy conservation measure:					
Cooling tower fan blade converted from Aluminium to FRP and their by 40hp motor replaced by 20hp					
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.: 1,30,000 /=-			Year of implementation: 2008		
First year energy cost savings, Rs.4,24,000:/=-					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving	90				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.71				
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ID to be filled by BEE	Title of the measure Modernization of equipment .	Sector ---Edible oil			
Year to be filled by BEE		Technology -Electronics & Instrumentation.			
Description of the energy conservation measure: VFD introduced in Thermic fluid boiler ID Fan.					
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.:7000 /=-			Year of implementation: 2008		
First year energy cost savings, Rs.:2,97000/=-					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving	63				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.71				
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ID to be filled by BEE	Title of the measure Optimum Utilisation of equipments.	Sector ---Edible oil			
Year to be filled by BEE		Technology -Industrial Engg			
Description of the energy conservation measure: 40HP baring metric water pump was given parallel connection with 30hp pump to run on either or basis based on plant load.					
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.:5,000 /=			Year of implementation: 2008		
First year energy cost savings, Rs.:2,54,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving	54				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.71				
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ID to be filled by BEE	Title of the measure	Sector ---Edible oil			
Year to be filled by BEE	Energy Substitution (Gravitational Force)	Technology -Natural resource.			
Description of the energy conservation measure: Separate priming vessel for all cooling tower pumps					
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.:35,000 /=			Year of implementation: 2008		
First year energy cost savings, Rs.:1,13,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving	24				
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.71				
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ID to be filled by BEE	Title of the measure Energy Substitution.		Sector ---Edible oil		
Year to be filled by BEE			Technology –usage of Agro wastage		
Description of the energy conservation measure: Thermic fluid boiler conversion from furnace oil to Husk firing.					
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.:1,25,00,000 /=			Year of implementation: 2008		
First year energy cost savings, Rs.:/=					
First year other savings, Rs.:99,00,000/=					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy saving					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
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ID to be filled by BEE	Title of the measure	Sector ---Edible oil			
Year to be filled by BEE	Waste Heat Recovery	Technology –Thermal I Engg.			
Description of the energy conservation measure:					
Condensate recovery system implemented, gave recovery of 70KL of hot water @75C /day. This increases the feed water temp by 17C					
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.:55,00,000 /=			Year of implementation: 2008		
First year energy cost savings, Rs.:15,09,000/=					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Husk (Tons)
Energy saving		15470			5322
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...		3010			1375
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