


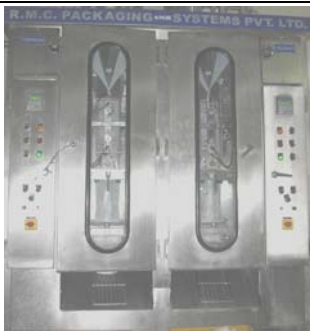



## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Renovation Of The Old Milk Cold Store to avoid loss of heat</b>	Sector : Dairy
Year to be filled by BEE		Technology .....
<p>Description of the energy conservation measure:                  The milk after packing is being stored in milk cold store to maintain the milk temperature at 5°C . The cold store was of three parts and all the three parts were old and the insulation was weak and the type of the insulation was of the old conventional type. This was resulting in loss of temperature causing increased refrigeration load. Hence, it was decided to renovate the cold store in phased manner with the latest available technology to avoid loss of temperature.</p> <p>One part of the Milk cold store renovation has been completed during 2005-06 &amp; During 2006-07 the entire cold store has been renovated. This resulted in reduced load on refrigeration. As a sequelae the running hours of compressors was reduced.</p>		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
 OLD MILK COLD STORE		 NEW MILK COLD STORE
Agency that executed the project (with complete address and email):M/s Rinac India Ltd, 47,9 <sup>th</sup> 'D'Main,100 ft ring Road, BTM Lay out, Bangalore. eMail-rinacbin@vsnl.net		
Total investment, Rs.:30 Lakhs		Year of implementation: 2006-07
First year energy cost savings, Rs.: <b>2.54 Lakhs</b>		
First year other savings, Rs.: Nil		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before		
Energy consumption after / Saving	52.925	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.80	
<p style="text-align: center;"><b>Company complete address:</b>                  MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT                  CO-OPERATIVE MILK PRODUCERS' SOCIETIES' UNION LTD.,                  T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011.                  KARNATKA</p> <p>Contact person who could be contacted for more information:                  Mr.T.S.Shashidhar, Manager(Dairy)                  Telephone No. 0821 2473393, Mobile - 09845557135,                  Fax No. 0821 2472797.                  E-Mail ID mymul@sancharnet.in</p>		We authorise Bureau to use this information for dissemination  Signature :  Date


## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector : Dairy			
Year to be filled by BEE	Introduction Of New Mechanical Milk & Curd Packing Machines :-	Technology .....			
<p>Description of the energy conservation measure:                  The conventional milk packing machines are pneumatic type. The air to these was being catered from air compressors. One double head pneumatic type packing machine require 54 M<sup>3</sup> per hour. On the contrary the newly emerged mechanical type packing machines do not require for their operations. One of these was replaced by mechanical ones since they were old and one more was added to the curd packing section. Since, these machines do not require air there was considerable reduction in running hours of air compressors and substantial electrical energy was saved. <b>This is in addition to the 04 machines replaced during 2005-06.</b></p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): In house implementation. The Equipment is supplied by M/s RMC Packing systems, 25, Electronic Complex, Hyderabad-500 062					
Total investment, Rs.: 16 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 1.53 Lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before					
Energy consumption after / Saving	31905				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.80				
Company complete address: MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT CO-OPERATIVE MILK PRODUCERS' SOCIETIES' UNION LTD., T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011. KARNATKA				We authorise Bureau to use this information for dissemination  Signature  Date	
Contact person who could be contacted for more information: Mr.T.S.Shashidhar, Manager(Dairy) Telephone No. 0821 2473393, Mobile - 09845557135, Fax No. 0821 2472797. E-Mail ID mymul@sancharnet.in					


## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure		Sector : Dairy		
Year to be filled by BEE	Water Management & Rain Water Harvesting		Technology .....		
Description of the energy conservation measure:					
<p>In this project the roof water collected has been routed to</p> <ul style="list-style-type: none"> <li>* Sump tank</li> <li>* Dummy bore wells dug in the dairy premises</li> </ul> <p>The water that was collected in the sump was used for dairy cleaning activities. In the absence of this water, the water was being pumped to this sump tank from the bore wells. During 2006-07 there was good rain in &amp; round Mysore, so the water collected through rain water (Roof Water)harvesting is much more than 2005-06.Hence this has been taken once again as an energy saving area as the Quantity of Water to be Pumped from Bore wells to tank is saved substantially as a continual Project.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):M/s F.E.S, Anand, Gujarat.					
Total investment,Rs.:4.15 Lakhs			Year of implementation: 2005-06		
First year energy cost savings, Rs.: 0.77 Lakhs					
Second year other savings, : Rs.1.61 Lakhs					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before					
Energy consumption after / Saving	33575				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.80				
Company complete address: MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT CO-OPERATIVE MILK PRODUCERS’ SOCIETIES’ UNION LTD., T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011. KARNATKA				We authorise Bureau to use this information for dissemination	
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				Signature	
				Date	



## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure  <b style="color: orange;">Replacement of Higher Capacity Motors/pumps Of Milk Pasteuriser.</b>	Sector : Dairy			
Year to be filled by BEE		Technology .....			
<p>Description of the energy conservation measure:</p> <p>The Dairy is having three milk pasteurizers of 10 Kl capacity. Out of which one Pasteuriser was having 5Hp Hot water &amp; 5 Hp Milk Pump which is connected to Homoginiser. (The other two Pasteuriser are having motor capacity of 6 Hp &amp; this project was undertaken during 2005-06)</p> <p>The motor Capacity of this pasteurizer was reduced to 6 Hp from 10 Hp by replacing with lower capacity Motors/Pumps with out affecting the performance of the Equipment which has resulted in saving of 13140 Kwhr &amp; amount saved turned out to be Rs.0.63 Lakh with an investment of Rs.0.20 lakh</p>					
<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):In houses implementation.					
Total investment,Rs.:0.20 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 0.63 Lakhs					
Second year other savings,					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	F.Oil (kL)	Other
Energy consumption before					
Energy consumption after / Saving	13140				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.80				
<p>Company complete address:  MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT  CO-OPERATIVE MILK PRODUCERS’ SOCIETIES’ UNION LTD.,  T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011.  KARNATKA</p> <p>Contact person who could be contacted for more information:  Mr.T.S.Shashidhar, Manager(Dairy)  Telephone No. 0821 2473393, Mobile - 09845557135,  Fax No. 0821 2472797.  E-Mail ID mymul@sancharnet.in</p>				<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date</p>	



## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b style="color: red;">Methane Gas Utilisation</b>		Sector : Dairy			
Year to be filled by BEE			Technology .....			
<p>Description of the energy conservation measure:                  The effluent treatment plant has been expanded and renovated. Mysore Dairy made an attempt to utilize this Methane Gas for cooking purpose at Canteen. The canteen is catering everyday the food &amp; snack needs of about 400-450 employees working in the Institution. The new system is yielding methane gas in sufficient Quantum which is used for cooking purpose at Canteen so the Electrical Steam Generator Used cooking at Canteen is stopped. The savings that could be turned out of this is estimated to be Rs. 2.80 Lakhs per annum. The investment that is being done on this project to run gas pipe line from ETP to Canteen is Rs. 1.50 Lakhs. which is one time investment. The E.T.P expansion project is under taken by M/S Indavar &amp; Company, Mysore</p>						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
						
Agency that executed the project (with complete address and email): In house Implementation The ETP expansion is taken up by M/s Indavara Constructions, Mysore through N.D.D.B						
Total investment, Rs.: 1.50 Lakhs			Year of implementation: 2006-07			
First year energy cost savings, Rs.: 2.80 Lakhs						
Second year other savings,						
On annual basis		kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	F.Oil (kL)	Other
Energy consumption before						
Energy consumption after / Saving		58400				
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...		4.80				
Company complete address: MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT CO-OPERATIVE MILK PRODUCERS’ SOCIETIES’ UNION LTD., T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011. KARNATKA					We authorise Bureau to use this information for dissemination  Signature  Date	
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## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b>Replacement of Old Khoa Vat</b>	Sector : Dairy			
Year to be filled by BEE		Technology .....			
<p>Description of the energy conservation measure:  Mysore Dairy is manufacturing good Quantity of Peda to fulfill the demand of the market. Dairy is having Two Khoa Vats of Capacity 18 Kgs /Batch. Out of this One of the vat is very old &amp; heavy leakage of Steam is observed &amp; hence the steam consumption per hour is 18.20 % more than the standard requirement of 80 kgs of Steam. Hence this Khoa vat is replaced with New energy efficient equipment.</p>					
<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): In House implementation, The equipment is Supplied by M/s R.P.M Engineers(India) Ltd., 44-A-, developed Plots, , Chennai, e-mail: rpm@md3.vsnl.net.in					
Total investment, Rs.: 1.30 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 0.44 Lakhs					
Second year other savings,					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	F.Oil (kL)	Other
Energy consumption before					
Energy consumption after / Saving				2.027	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...				21.92	
Company complete address: MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT CO-OPERATIVE MILK PRODUCERS’ SOCIETIES’ UNION LTD., T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011. KARNATKA Contact person who could be contacted for more information: Mr.T.S.Shashidhar, Manager(Dairy) Telephone No. 0821 2473393, Mobile - 09845557135, Fax No. 0821 2472797. E-Mail ID mymul@sancharnet.in				We authorise Bureau to use this information for dissemination  Signature  Date	

## Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <b style="color: red;">Replacement of Old Ghee (Boiler) Vat</b>	Sector : Dairy			
Year to be filled by BEE		Technology .....			
<p>Description of the energy conservation measure:                  The Dairy is manufacturing ample Quantity of Ghee. The Dairy was having Three Ghee Vats from which the production of Ghee was carried out &amp; , out of this one Ghee Vat is very Old, Since the Equipment was very old, there was heavy leakage of Steam from the Equipment &amp; the steam consumed per batch was more than the required as per the standard. During 2006-07 this Ghee vat is replaced with an investment of Rs. 2.04 lakhs. The savings by replacing these equipments is turned out to be.Rs.1.18 lakhs.</p>					
<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):In house implementation, & the equipment is supplied by M/s Tetra Pak India (p) Ltd, Mumbai,Shivajinagar,pune-411 005					
Total investment,Rs.:2.04 Lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 1.80 Lakhs					
Second year other savings,					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm <sup>3</sup>	F.Oil (kL)	Other
Energy consumption before				5.407	
Energy consumption after / Saving					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...				21.92	
Company complete address: MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT CO-OPERATIVE MILK PRODUCERS’ SOCIETIES’ UNION LTD., T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011. KARNATKA				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 <b style="color: red;">Replacement of Tube lights with Electronic Ballasts</b>	Sector : Dairy
Year to be filled by BEE		Technology .....
<p>Description of the energy conservation measure: The illumination lights at packing section, cold store &amp; reception section are changed from old 40 watts choke tube lights to Electronic Ballasts which consumes less Electricity &amp; which has helped in saving of Energy in addition to good illumination. Mysore Dairy has changed about 50 Tube lights &amp; in turn has saved 5445 Kwhr per annum &amp; the amount saved is turned out to be Rs.27000/ annum.</p>		
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>	
 <span style="color: red;">Old Low energy efficient Tube Lights</span>	 <span style="color: red;">New Energy Efficient Tube lights</span>	
Agency that executed the project (with complete address and email):In house implementation		
Total investment,Rs.:0.10Lakhs	Year of implementation: 2006-07	
First year energy cost savings, Rs.: 0.27 Lakhs		
Second year other savings,		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before		
Energy consumption after / Saving	5445	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.80	
Company complete address: MYSORE DAIRY, A UNIT OF MYSORE – CHAMARAJANAGARA DISTRICT CO-OPERATIVE MILK PRODUCERS’ SOCIETIES’ UNION LTD., T.NARASIPURA ROAD, SIDDHARTHANAGAR, MYSORE – 570 011. KARNATKA  Contact person who could be contacted for more information: Mr.T.S.Shashidhar, Manager(Dairy) Telephone No. 0821 2473393, Mobile - 09845557135, Fax No. 0821 2472797. E-Mail ID mymul@sancharnet.in		We authorise Bureau to use this information for dissemination  Signature  Date