
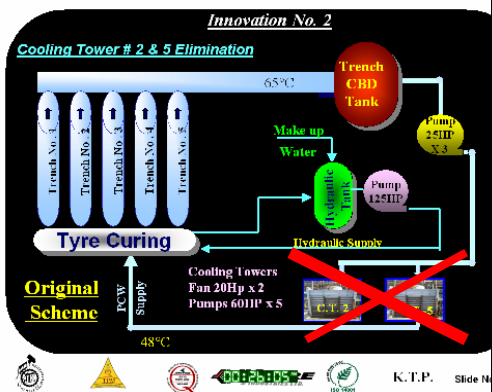
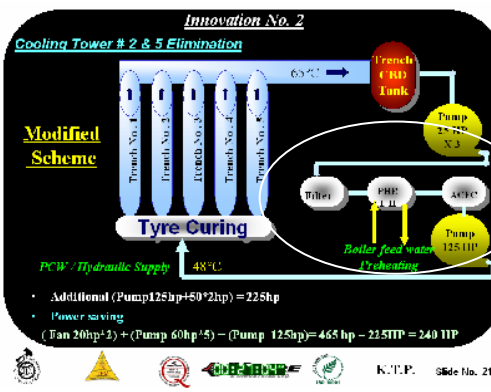


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Energy Saving by Installing VFD	SectorTyre			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Earlier motorized lubrication system was in operation which was running continuously . New pneumatic type lubrication units has been installed which run only for 1 min in every one hrs for providing suitable lubrication to mill points.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): In house					
Total investment, Rs.: .1 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 72408 /-					
First year other savings, 16800 kwh/ annum					
On annual basis	kWh	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	126000				
Energy consumption after	109200				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs 4.31				
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli -313342 RAJ.				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:					

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Optimization of Energy on Cooling towers	SectorTyre			
Year to be filled by BEE		Technology			
<p>Description of the energy conservation measure:</p> <p>The second cooling tower, which was losing its thermal energy to atmosphere, was eliminated completely by utilizing the thermal energy of water in another process which requires heating of water. This cooling tower was catering to cool the process water where the water gets heated to 65 degree centigrade. The cooling tower was bringing down the temperature to desired temperature of 45 degree centigrade.</p> <p>The Innovation was to use the heat to pre heat the DM water to raise its temperature from 30 degree to 50 degrees. This was not the end of the story, In addition we used the condensate return water to heat DM water further to the order of 55-60 degrees. The DM water in turn is feed as boiler feed water to our boiler. The heat added to feed water helped reduce coal consumption by 2-3 MT per day and saved loss of water in cooling tower to an extent of 100 KL per day</p>					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
 <p style="text-align: center;">Original Scheme</p>	 <p style="text-align: center;">Modified Scheme</p>				
Agency that executed the project (with complete address and email): In house					
Total investment, Rs.: .1 lacs		Year of implementation: 2006-07			
First year energy cost savings, Rs.: 6516420 /-					
First year other savings, ~ 1512000 kwh/ annum					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	3410526				
Energy consumption after	1898526				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs 4.31				
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli -313342 RAJ. Mr Parveen Soni Contact person who could be contacted for more information:				We authorise Bureau to use this information for dissemination Signature Date	

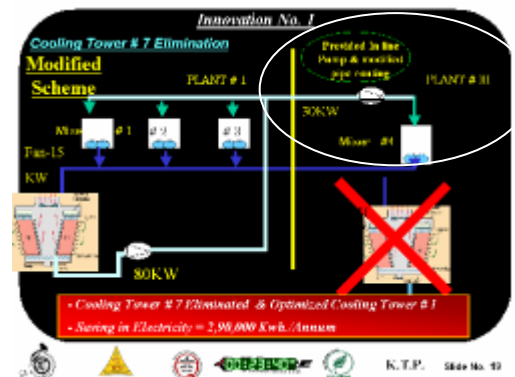
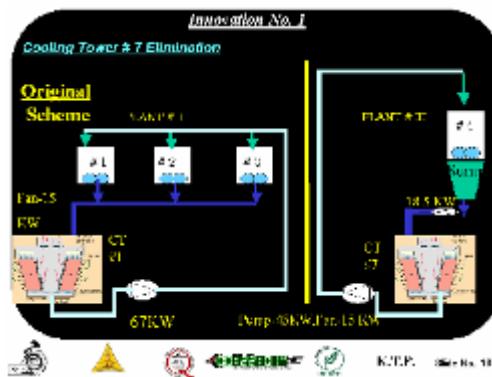
Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Optimization of Energy on Cooling towers	SectorTyre
Year to be filled by BEE		Technology

Description of the energy conservation measure:
 A innovative ideas to optimized plants energy consumption. In tyre plants CT are used to remove process heat. In original system, two different plants section in same premises having separate cooling towers for catering process cooling demand & both CT were under-utilized. Requirement was to remove process heat at particular pressure & flow.
 Innovative ideas emerges to optimized one of under- utilized cooling tower. In this regards , pressure of one of cooling tower water was measured near another plant . Based upon study one inline pumps incorporated to increase the pumps pressure, so that same cooling tower can also cater another plants

Picture/ sketch/ drawing before modification
(if available)

Picture/ sketch/ drawing after modification



Agency that executed the project (with complete address and email): In house

Total investment, Rs.: .1 lacs Year of implementation: 2006-07


First year energy cost savings, Rs.: 1285202 /-

First year other savings, ~ 298200 kwh/ annum

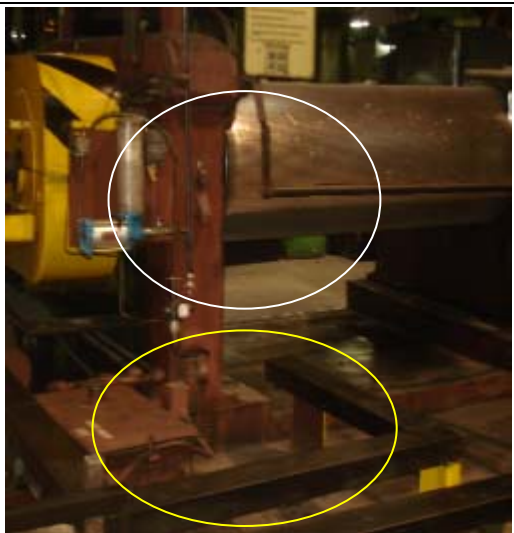
On annual basis	kWh	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	1348200				
Energy consumption after	1050000				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs 4.31				

Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli -313342 RAJ.	We authorise Bureau to use this information for dissemination Signature Date
Contact person who could be contacted for more information:	

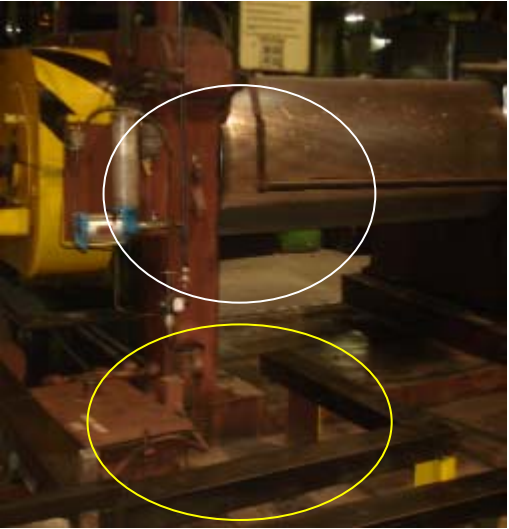
Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Energy Saving By Replacing Pneumatic Cylinder with Servo Motor	SectorTyre			
Year to be filled by BEE		Technology			
<p>Description of the energy conservation measure: In tyre plant , Bias cutter is used for cutting the fabric in particular length. Earlier 2 Mtr long cylinder were employed for moving the cutter through the length of fabric. Pneumatic air at 6.5 kg/cm² pressure was used for cylinder .</p> <p>New system incorporate, servo drive for above purpose which also helps in product accuracy .</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					
Total investment, Rs.: .1 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 720000 /-					
First year other savings, Rs.: 167053 kwh/ annum					
On annual basis	kWh	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	800000				
Energy consumption after	632947				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs 4.31				
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli -313342 RAJ. Mr Parveen Soni Contact person who could be contacted for more information:				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 Energy Saving by replacing Motorized Lubrication system	SectorTyre			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Earlier motorized lubrication system was in operation which was running continuously . New pneumatic type lubrication units has been installed which run only for 1 min in every one hrs for providing suitable lubrication to mill points.					
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 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 20072/-					
First year other savings, 4820 kwh/annum					
On annual basis	kWh	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	7700				
Energy consumption after	2880				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.31/-				
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli -313342 RAJ. Parveen Soni Contact person who could be contacted for more information:				We authorise Bureau to use this information for dissemination Signature Date	

Energy Conservation Measure implemented in 2006-2007

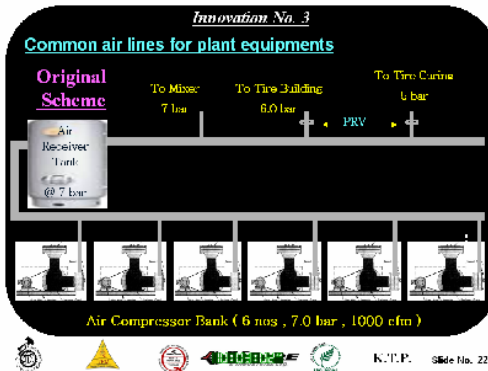

ID to be filled by BEE	Title of the measure Energy Saving by replacing Motorized Lubrication system	SectorTyre			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Earlier motorized lubrication system was in operation which was running continuously . New pneumatic type lubrication units has been installed which run only for 1 min in every one hrs for providing suitable lubrication to mill points.					
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 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 20072/-					
First year other savings, 4820 kwh/annum					
On annual basis	kWh	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	7700				
Energy consumption after	2880				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	4.31/-				
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli -313342 RAJ. Parveen Soni Contact person who could be contacted for more information:				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 Optimization of lighting system power consumption	SectorTyre																			
Year to be filled by BEE		Technology																			
<p>Description of the energy conservation measure:</p> <p>In Tyre Plant , Curing press is used for curing green tyre . Mercury light is provided over each press for proper setting & loading of tyre in the mould. Earlier Mercury light always remains on even tyre curing in process.</p> <p>In new system , Mercury light linked with operation of Curing process i.e when operator is loading the tyre , Light will remain on & light will off automatically when cure cycle start .In fact this also help as annunciation tools for process person & help in reducing cure tyre loss .When light gets on in between , this give indication to operator that some thing went wrong with curing press operation.</p>																					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Total Curing Press</td> <td>98 nos</td> </tr> <tr> <td>Mercury Light 25w</td> <td>98 Nos</td> </tr> <tr> <td>Light Load</td> <td>24.5 kw</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Curing Cycle</td> <td>55 Min</td> </tr> <tr> <td>Light Duty Cycle</td> <td>24 hrs</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>Total Consumption</td> <td>208740 kwh/annum</td> </tr> </table>			Total Curing Press	98 nos	Mercury Light 25w	98 Nos	Light Load	24.5 kw			Curing Cycle	55 Min	Light Duty Cycle	24 hrs			Total Consumption	208740 kwh/annum	<p>Lights On – During Tyre loading (5 min) Lights Off – When Cure Cycle ON (55MIN)</p> <p>Total Consumption 17395 kwh/anum</p>		
Total Curing Press	98 nos																				
Mercury Light 25w	98 Nos																				
Light Load	24.5 kw																				
Curing Cycle	55 Min																				
Light Duty Cycle	24 hrs																				
Total Consumption	208740 kwh/annum																				
Agency that executed the project (with complete address and email): In house																					
Total investment, Rs.: .1 lacs			Year of implementation: 2006-07																		
First year energy cost savings, Rs.: 824696 /-																					
First year other savings, Rs.: ~ 191345 kwh/ annum																					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other																
Energy consumption before	208740																				
Energy consumption after	17395																				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs 4.31																				
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli –313342 RAJ. Mr Parveen Soni Contact person who could be contacted for more information:				We authorise Bureau to use this information for dissemination Signature Date																	

Energy Conservation Measure implemented in 2006-2007

(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Energy Conservation By Separating Low / High Pressure Lines	SectorTyre
Year to be filled by BEE		Technology
<p>Description of the energy conservation measure:</p> <p>Plant air compressors were installed to cater plant pneumatic equipment. Air house was equipped with reciprocating compressors which were running at pressure of 7 bar . Plant sections pressure requirement was adjusted by PRV at plant different location which was wastage of power.</p> <p>New system incorporated in air house & separated air compressors for catering different pressure demands This help in avoiding losses due to generation of air at high pressure & then localized reduction at plant different section .</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		
Total investment, Rs.: .1 lacs	Year of implementation: 2006-07	
First year energy cost savings, Rs.: 905100 /-		
First year other savings, ~ 210000kwh/ annum		
On annual basis	kWh	Coal (Tons)
Energy consumption before	35000000	
Energy consumption after	34790000	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs 4.31	
Company complete address: M/s J K Tyre & Industry Ltd PO Jaykay Tyre Factory Jaykay Gram , Kankroli –313342 RAJ. Mr Parveen Soni Contact person who could be contacted for more information:		<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date</p>

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2006-2007 and a CD containing the above information may be please be enclosed.