



### Energy Conservation Measure implemented in 2007-2008



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

ID to be filled by BEE	1. In mill no. 8 carding waste collection system power consumption reduced by reducing RPM by reduction in pulley size (290mm to 280mm) of centrifugal fan.	Sector – Textile
Year to be filled by BEE		Technology – In house R&D efforts.
<p><b>Description of the energy conservation measure:</b>          Took readings of suction pressure at all carding machines &amp; observe that in some M/c's the suction pressure is high w.r.t. requirement as per machine manufacturer. During checking leakages were found at some locations.          Arrest the leakages &amp; reduced the rpm of centurial fan by changing pulley. Again balanced the suction pressure at each carding m/c's by individual damper of the m/c's.</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.		
Total investment, Rs.: 17500/-	Year of implementation: October 07	
First year energy cost savings, Rs: 2.85 Lacs		
First year other savings, Rs: Reduce mechanical wear & tear.		
On annual basis	kWh/day	Coal (Tons)
	Gas Nm <sup>3</sup>	Oil (kL)
	Other	
Energy consumption before	3071	NA
Energy consumption after	2733	NA
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>  Contact person who could be contacted for more information:  <b>Rajeev Singla</b>		We authorize Bureau to use this information for dissemination   Signature   Date

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### Energy Conservation Measure implemented in 2007-2008

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

ID to be filled by BEE	2. Reengineering of supply air fan installation in mill -6, blow room humidification plant tower and increase in CFM by reducing pressure drop.	Sector – Textile
Year to be filled by BEE		Technology – In house R&D efforts.
<p><b>Description of the energy conservation measure:</b>          In mill-6, blow room Humidification plant, we were not getting sufficient CFM in comparison to power consumption because of short-circuiting of air.          Earlier supply air fans were mounted after air washer &amp; before the supply air duct. There was a pressure drop observed in the air path. We had removed the supply air from that location &amp; installed at the mouth of supply air duct. Plant CFM increased approximately 10% without increasing the power consumption.</p>		
<p><b>Picture/ sketch/ drawing before modification</b> (if available)</p>		<p><b>Picture/ sketch/ drawing after modification</b></p>
		
Agency that executed the project (with complete address and email): In house.		
Total investment, Rs.: 2.40 Lacs		Year of implementation: Nov 07
First year energy cost savings, Rs: 1.20Lacs		
First year other savings, Rs: NIL		
On annual basis	kWh/day	Coal (Tons)
Energy consumption before	540	NA
Energy consumption after	360	NA
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>  Contact person who could be contacted for more information:  <b>Rajeev Singla</b>		We authorize Bureau to use this information for dissemination  Signature  Date

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### Energy Conservation Measure implemented in 2007-2008

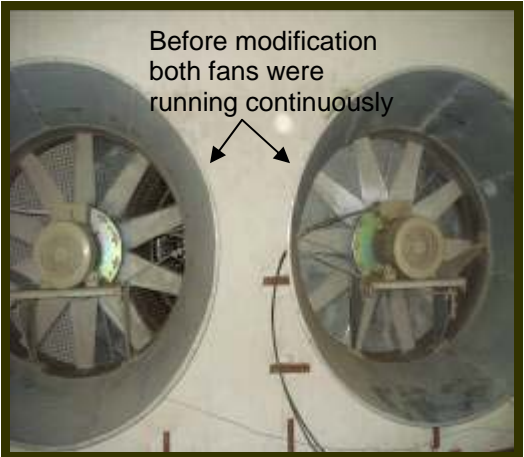

(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	3. Water saving by reducing the water pressure & by installation of water level controller.	Sector – Textile																																							
Year to be filled by BEE		Technology – In house R&D efforts.																																							
<b>Description of the energy conservation measure:</b> In gardening & factory toilets excess water consumption was metered in comparison to standard consumption. Both the water lines were directly connected with the over head tank line (water pressure 2.5Kg/cm <sup>2</sup> ). Installed SYNTEX tanks in between the over head tank line & consumption at the height of 6mtrs water pressure reduced from 2.5 to 0.6kg /cm <sup>2</sup> . Installed water level controllers at over head tank & sub tanks. Approx water saves 200 KL/day.																																									
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>																																								
Before modification the water line is directly connected to over head tank line & that time the water pressure is 2.5 Kg /cm <sup>2</sup> .	<div style="text-align: center;"> <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <caption>Water Consumption Data</caption> <thead> <tr> <th>Month</th> <th>Water in KL (Blue Line)</th> <th>Water in KL (Pink Line)</th> </tr> </thead> <tbody> <tr><td>May</td><td>1700</td><td>1500</td></tr> <tr><td>June</td><td>1200</td><td>1100</td></tr> <tr><td>July</td><td>1000</td><td>900</td></tr> <tr><td>Aug</td><td>1000</td><td>1000</td></tr> <tr><td>Sept</td><td>1100</td><td>1100</td></tr> <tr><td>Oct</td><td>1300</td><td>1200</td></tr> <tr><td>Nov</td><td>1500</td><td>1200</td></tr> <tr><td>Dec</td><td>1500</td><td>1200</td></tr> <tr><td>Jan</td><td>1500</td><td>1200</td></tr> <tr><td>Feb</td><td>1500</td><td>1200</td></tr> <tr><td>March</td><td>1407.95</td><td>1187.50</td></tr> <tr><td>Avg</td><td></td><td></td></tr> </tbody> </table> </div>		Month	Water in KL (Blue Line)	Water in KL (Pink Line)	May	1700	1500	June	1200	1100	July	1000	900	Aug	1000	1000	Sept	1100	1100	Oct	1300	1200	Nov	1500	1200	Dec	1500	1200	Jan	1500	1200	Feb	1500	1200	March	1407.95	1187.50	Avg		
Month	Water in KL (Blue Line)	Water in KL (Pink Line)																																							
May	1700	1500																																							
June	1200	1100																																							
July	1000	900																																							
Aug	1000	1000																																							
Sept	1100	1100																																							
Oct	1300	1200																																							
Nov	1500	1200																																							
Dec	1500	1200																																							
Jan	1500	1200																																							
Feb	1500	1200																																							
March	1407.95	1187.50																																							
Avg																																									
Agency that executed the project (with complete address and email): In house.																																									
Total investment, Rs.: 1.05	Year of implementation: April 07																																								
First year energy cost savings, Rs: 2.93 Lacs																																									
First year other savings, Rs: Environmental benefits.																																									
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other																																				
Energy consumption before	1800	NA	NA	NA																																					
Energy consumption after	1620	NA	NA	NA																																					
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA																																					
Company complete address: <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorize Bureau to use this information for dissemination																																					
Contact person who could be contacted for more information:				Signature																																					
Rajeev Singla				Date																																					

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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	4. Open-end plant return air fan stop by releasing the pneuma fan exhaust air directly in to the atmosphere.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D efforts.			
<b>Description of the energy conservation measure:</b> In open end plant two nos return air fan, two nos supply air fan and one pneuma fan were installed. Plant was running in auto operation and normally 50% of pneuma air was re-circulated. Checked the pneuma air temp & found extremely high i.e. 60deg c, manually release the 100% pneuma air in atmosphere & stop one return air fan. Observed the temp & RH% and found no deviation.					
<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.					
Total investment, Rs.: NIL	Year of implementation: Dec 07				
First year energy cost savings, Rs: 2.17 Lacs					
First year other savings, Rs: NIL					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	810	NA	NA	NA	
Energy consumption after	405	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address: <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorize Bureau to use this information for dissemination	
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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	5. Replacement of old inefficient 11/0.430KV, 2.5MVA transformer of M-7 to reduce transformer losses.	Sector – Textile			
Year to be filled by BEE		Technology – In house R & D.			
<p><b>Description of the energy conservation measure:</b>          We observed that the oil &amp; winding temperature of the Mill-7 transformer is more w.r.t. other transformers running at same load. To analyze the above problem we had measured transmission losses of all installed transformers &amp; compare the value with standard losses. In Mill-7, transformer losses were high in comparison to VOLTAMP make transformer already installed.          We arrange one VOLTAMP make transformer having same capacity from our sister concern which was lying idle.          Installed VOLTAMP make transformer in-place of old inefficient transformer. Checked the temperature &amp; losses, found with in the norms.</p>					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
<p>Before One 2.5 MVA, 11/433 KV, ShriBalaji Make transformer installed for Mill no. 7</p>					
Agency that executed the project (with complete address and email): In house.					
Total investment, Rs.: 1.5 Lacs			Year of implementation: Oct 07		
First year energy cost savings, Rs: 3.41 Lacs					
First year other savings, Rs: Increased transformer life					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	800	NA	NA	NA	
Energy consumption after	375	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorize Bureau to use this information for dissemination	
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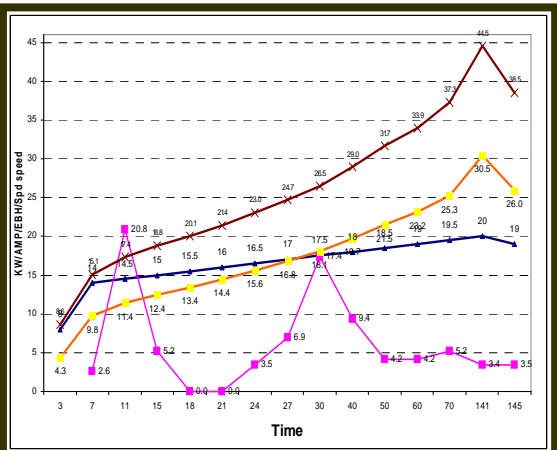
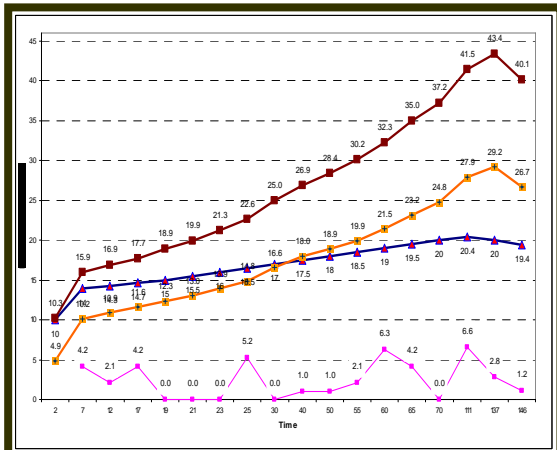
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	6. Reduce compressed air CFM by measurement of actual consumption & comparing with requirement. Then arresting the air leakages at m/cs.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D.			
<p><b>Description of the energy conservation measure:</b></p> <p>During shut down of plants we run the compressors to check the compressed air leakages. Even after running of 1500 CFM compressors pressure was not maintained. Heavy leakages on the machines were observed.</p> <p>During running of the plant 2800CFM compressed air was consumed against the 1800 CFM as per standard machines norms. Checked the individual machines air consumption with Rota meter &amp; attend the leakages. Optimized the pressure regulator settings till the m/c's running.</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.					
Total investment, Rs.: 25.00 Lacs			Year of implementation: Jan 08		
First year energy cost savings, Rs: 7.23 Lacs					
First year other savings, Rs: Reduce maintenance cost of compressors.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	12000	NA	NA	NA	
Energy consumption after	10200	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
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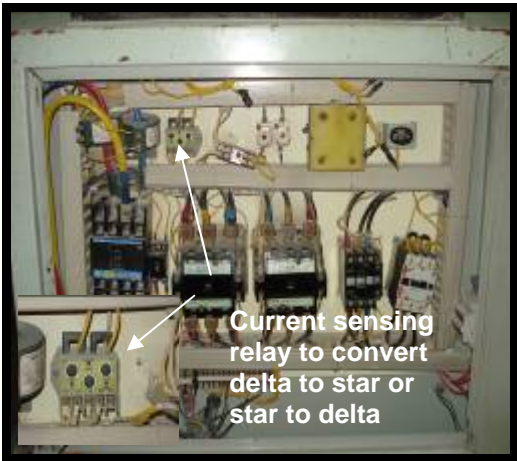
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	7. Study of spindle speed pattern of ring frame machines to optimize the power consumption with same production rate and minimum units/ kg production.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D.			
<p><b>Description of the energy conservation measure:</b>          In ring frame machines EC Cell took power studies along with spindle speed and End Breaks at various speed patterns (by using Spinmax). Normally the motor load was high during the 75 to 100% doff period. Optimized spindle speed keeping in view End Breaks &amp; Power Consumption. This has reduced the motor loading % at 75 to 100% doffing period by getting same production output at less power consumption. End breakages also reduced.</p>					
<b>Picture/ sketch/ drawing before modification (if available)</b>	<b>Picture/ sketch/ drawing after modification</b>				
					
Agency that executed the project (with complete address and email): In house.					
Total investment, Rs.: NIL	Year of implementation: June 07				
First year energy cost savings, Rs: 3.48 Lacs					
First year other savings, Rs: Reduce end breakages & increased in productivity.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	14375	NA	NA	NA	
Energy consumption after	14115	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address: <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
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### Energy Conservation Measure implemented in 2007-2008


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ID to be filled by BEE	8. Motors run in star connection in place of Delta connections at the time of loading less than 45% of its rated current.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D.			
<p><b>Description of the energy conservation measure:</b>            In TFO machines the spindle speed is change as per production planning. During study, we found that, if the m/c speed is less than 9000 rpm, motor loading is reduced to 42%. At this time we can run the motor in Star connections in place of Delta Connections.            We installed the auto star delta converter which converts the motor in star to delta or vise versa depending on the running current of the motor.</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.					
Total investment, Rs.: NIL			Year of implementation: Nov. 07		
First year energy cost savings, Rs: 1.61 Lacs					
First year other savings, Rs: NIL					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	13500	NA	NA	NA	
Energy consumption after	13257	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address: <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
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## Energy Conservation Measure implemented in 2007-2008



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

ID to be filled by BEE	12. Shifting of 2 nos 11/0.430KV, 2.5 MVA transformer of M-4 & 5 near to the load to reduce line losses.	Sector – Textile																					
Year to be filled by BEE		Technology – In house R&D.																					
<b>Description of the energy conservation measure:</b> Mill 4, 5 - 2500 KVA 11 / 0.415 KV 2nos transformers has been shifted near LT panels & reduced the line losses because of long length of LT cables & intermediate panels. The voltage drop has been reduced.																							
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>																				
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 70%;">PARTICULAR</th> <th style="width: 30%;">VOLTAGE DROP</th> </tr> </thead> <tbody> <tr> <td>TR. ROOM LHS TO LHS</td> <td>5.69</td> </tr> <tr> <td></td> <td>5.19</td> </tr> <tr> <td></td> <td>4.29</td> </tr> <tr> <td>TR. ROOM RHS TO RHS</td> <td>2.79</td> </tr> <tr> <td></td> <td>2.49</td> </tr> <tr> <td></td> <td>2.29</td> </tr> <tr> <td>TR2 BREAKER TO O/G BREAKERS</td> <td>4.89</td> </tr> <tr> <td>TR3 BREAKER TO O/G BREAKERS</td> <td>4.19</td> </tr> </tbody> </table>			PARTICULAR	VOLTAGE DROP	TR. ROOM LHS TO LHS	5.69		5.19		4.29	TR. ROOM RHS TO RHS	2.79		2.49		2.29	TR2 BREAKER TO O/G BREAKERS	4.89	TR3 BREAKER TO O/G BREAKERS	4.19			
PARTICULAR	VOLTAGE DROP																						
TR. ROOM LHS TO LHS	5.69																						
	5.19																						
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TR. ROOM RHS TO RHS	2.79																						
	2.49																						
	2.29																						
TR2 BREAKER TO O/G BREAKERS	4.89																						
TR3 BREAKER TO O/G BREAKERS	4.19																						
Agency that executed the project (with complete address and email): In house.																							
Total investment, Rs.: 5.0 Lacs			Year of implementation: May 07																				
First year energy cost savings, Rs: 14.50																							
First year other savings, Rs: Reduce break down.																							
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other																		
Energy consumption before	1713	NA	NA	NA																			
Energy consumption after	727	NA	NA	NA																			
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA																			
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination  Signature  Date																			
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ID to be filled by BEE	9. Replacement of 18nos old motors having efficiency 91.5% by Energy Efficient 34KW "Opti Power LEDL make having efficiency 94.5%.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D.			
<b>Description of the energy conservation measure:</b> In 18 nos Ring Frame m/c's replaced old motors by LEDL make energy efficient opti power motors to save energy. The efficiency of the motor is 94.5% against original motor of 91.5%. This has also resulted in to improvement of power factor, possibility of increase in speed, productivity & lesser heating of 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): In house.					
Total investment, Rs.: 16.40 Lacs	Year of implementation: May 07				
First year energy cost savings, Rs: 15.10 Lacs					
First year other savings, Rs: Production gain.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	10800	NA	NA	NA	
Energy consumption after	9774	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination  Signature  Date	
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ID to be filled by BEE	10. Replacement of Jet Nozzles with energy efficient Mist Nozzle in yarn conditioning room.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D.			
<b>Description of the energy conservation measure:</b> In Jet spray nozzle water pressure is required 3.5 Kg/cm <sup>2</sup> . To maintain water pressure 3 Hp pump was running continuously. In mist nozzle water pressure is required 1.5 Kg/cm <sup>2</sup> which is easily maintained by our over head tank water line, now the pumps has been removed.					
<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.					
Total investment, Rs.: 0.70 Lacs.	Year of implementation: April 07				
First year energy cost savings, Rs: 1.38 Lacs					
First year other savings, Rs: Reduce maint cost against jet spray.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	86.0	NA	NA	NA	
Energy consumption after	0.00	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address: <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	11. Installation of Transparent Sheet in Yarn Go-downs, fire stores, fiber go-downs & Transformer room.	Sector – Textile			
Year to be filled by BEE		Technology – In house R&D.			
<b>Description of the energy conservation measure:</b> We installed transparent sheets in place of AC sheet at Fire store, Transformer & LT room to use natural light in day time to save power consumed by 6 nos tube lights.					
<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.					
Total investment, Rs.: 0.05 Lacs			Year of implementation: May 07		
First year energy cost savings, Rs: 0.04 Lacs					
First year other savings, Rs: NIL					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	6	NA	NA	NA	
Energy consumption after	3	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address: <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>				Signature  Date	

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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	13. Installation of ECO ventilator in place of exhaust fans at transformer room of Mill no -8.	Sector – Textile			
Year to be filled by BEE		Technology – Technology			
<b>Description of the energy conservation measure:</b> Installed ECO ventilator in place of exhaust fans transformer room of Mill no. -8. This has helped us to stop two nos 0.5 KW exhaust fan.					
<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.					
Total investment, Rs.: 0.15 Lacs			Year of implementation: May 07		
First year energy cost savings, Rs: 0.28 Lacs					
First year other savings, Rs: Reduce break down.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	19.20	NA	NA	NA	
Energy consumption after	0.00	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>				Signature	
				Date	

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### Energy Conservation Measure implemented in 2007-2008



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

ID to be filled by BEE	<b>15. Switching over from Wartsila / RSEB power to (2 X 23 MW) Group Thermal Power Plant commissioned on in Oct 07.</b>	Sector – Textile			
Year to be filled by BEE		Technology – Energy substitution.			
<p><b>Description of the energy conservation measure:</b>  Switching over from FO based Wartsila / RSEB power to (2 X 23 MW) Group Thermal Power Plant commissioned in Oct 07. Average power cost has reduced from Rs 4.50/ unit to Rs. 4.41/ unit. Though the unit is independent profit center &amp; hence the cost is being charged at the cost of State electricity board tariff. 132 KV switch yard at Lodha has been commissioned to receive power for own consumption as well as for wheeling the power to four other sister concern units through short term open access agreement with State Electricity Board.</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.					
Total investment, Rs.: 250 Lacs	Year of implementation: Oct' 07				
First year energy cost savings, Rs: 35.67 Lacs					
First year other savings, Rs: Reduce break down.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	-	NA	NA	NA	
Energy consumption after	-	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	-	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination  Signature  Date	
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>					

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### Energy Conservation Measure implemented in 2007-2008



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

ID to be filled by BEE	14. Installed 2 nos 18 Watt LED type light in place of 125 watt HPMV lamp in street lights.	Sector – Textile			
Year to be filled by BEE		Technology – Technology			
<b>Description of the energy conservation measure:</b> We have installed two 18 watt LED type fixtures in place of 125 HPMV lamps in street lights. This has been installed for trail.					
<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.					
Total investment, Rs.: 0.10 Lacs			Year of implementation: May 07		
First year energy cost savings, Rs:0.04 Lacs					
First year other savings, Rs: Reduce break down.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	18	NA	NA	NA	
Energy consumption after		NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...		NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>				Signature	
				Date	

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### Energy Conservation Measure implemented in 2007-2008


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

ID to be filled by BEE	16. Modification in 6300 Amp ACB to reduce the excessive heating & reduction in voltage drop across the ACB by 1.1 volt	Sector – Textile
Year to be filled by BEE		Technology – Technology up gradation.
<p><b>Description of the energy conservation measure:</b>          There was a problem of excess heating in the 6300 AMP ACB since commissioning. voltage drop across the ACB was measured and found that this is 1. 6 V which was the main reason for excess heating. The Breaker was then modified by the manufacturer by modifying the metallurgy of the frame to reduce the eddy currents. This reduced the voltage drops to 0.5 Volt. The problem of excess heating was also solved. Power savings of 25 units/ day was achieved.          Running current at ACB is 3000 Amps</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.		
Total investment, Rs.: Nil	Year of implementation: May 07	
First year energy cost savings, Rs: 0.41 lacs		
First year other savings, Rs: Reduce break down, over heating problem solved.		
On annual basis	kWh/day	Coal (Tons)
Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	36	NA
Energy consumption after	11	NA
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>		We authorise Bureau to use this information for dissemination  Signature  Date
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>		

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### Energy Conservation Measure implemented in 2007-2008



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

ID to be filled by BEE	17. Installation of 2nos AC drives for pumps in M-7 H-plant to control pump motor rpm according to requirement of RH%.	Sector – Textile			
Year to be filled by BEE		Technology – Technology Up gradation.			
<b>Description of the energy conservation measure:</b> Mill 7- AC drives have been installed to control the 22 KW pump motor RPM according to requirement of the humidity. This has been implemented in two Humidification plants. The maximum frequency at AC Derive has been set at 45 Hz & hence pump is running max at 90% of rated speed with min frequency at 25 HZ.					
<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.					
Total investment, Rs.: 0.70 Lacs	Year of implementation: May 07				
First year energy cost savings, Rs: 1.61 Lacs					
First year other savings, Rs: Reduce break down.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	960	NA	NA	NA	
Energy consumption after	840	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>				Signature	
				Date	

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### Energy Conservation Measure implemented in 2007-2008

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

ID to be filled by BEE	18. Installation of energy efficient spindles & conversion of pots in 6 nos TFO machines.	Sector – Textile			
Year to be filled by BEE		Technology – Technology Up gradation			
<b>Description of the energy conservation measure:</b> Energy efficient spindles & pots with lower size ha been installed to save power. This has saved 48 units/ day/ machine. (9.6 % power saving).					
<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.					
Total investment, Rs.: 9.0Lacs			Year of implementation: july 07		
First year energy cost savings, Rs: 2.20 Lacs					
First year other savings, Rs: Reduce break down.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	3000	NA	NA	NA	
Energy consumption after	2730	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.46	NA	NA	NA	
Company complete address:  <b>R S W M Ltd.-Banswara</b> <b>Village: Lodha, P.O. BANSWARA - 327001 (Raj.)</b> <b>Phone: 254321-325, 2554441-443, Fax: 02962 - 254327, 255440</b>				We authorise Bureau to use this information for dissemination  Signature  Date	
Contact person who could be contacted for more information:  <b>Rajeev Singla</b>					

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