





### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	1. Installation of Natural draft jet type cooling tower in place of induced draft cooling tower.	Sector - Textile			
Year to be filled by BEE		Technology – Energy Substitution			
<b>Description of the energy conservation measure:</b>					
Natural draft jet type cooling tower has been installed in place of induced draft cooling tower for Centac Air Compressor to save power consumed by cooling fan 5.5.KW for nine months remain stop.					
<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):					
Total investment, Rs.: 2.5 lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 2.23 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	400	NA	NA	NA	
Energy consumption after	256	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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:  <b>Shri Rajeev Singla</b>				Signature	
				Date:	

### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	2. Installation of separate 100 CFM air compressor with dryer to run higher pressure machines	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D efforts			
<b>Description of the energy conservation measure:</b>					
A 100 CFM compressor has been arranged with dryer to run high pressure Ring Frame machines in mill-8. This has resulted in to bring down the system pressure 7.8 bars to 7.0 bars.					
<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):					
Total investment, Rs.: 0.8 lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 5.82 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	12500	NA	NA	NA	
Energy consumption after	12150	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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  Signature  Date:	
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### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	3.Installation of FRP fans in place of conventional Aluminium fans in Humidification plant	Sector - Textile			
Year to be filled by BEE		Technology – Technology up gradation			
<b>Description of the energy conservation measure:</b>					
13 nos. energy efficient FRP fans have been replaced in place of conventional humidification fans with maintaining same quantum of air. The static pressure of fans & air velocity at the diffusers in department was also checked & found benefits.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
 <p style="text-align: center;"><b>Old dismantled metallic fan</b></p>					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 5.20 lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 12.41 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	4212	NA	NA	NA	
Energy consumption after	3412	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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  Signature  Date:	
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### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	4. Installation of energy efficient SITRA excel fans in Ring Frame	Sector - Textile			
Year to be filled by BEE		Technology – Technology up gradation			
<b>Description of the energy conservation measure:</b>					
25 nos. energy efficient SITRA – KENTEX excel fans in place of conventional aluminum fans in suction of Ring Frame machines.					
<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):					
Total investment, Rs.: 3.50 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 6.20 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	2350	NA	NA	NA	
Energy consumption after	1950	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	NA	NA	NA	
Company complete address:				We authorize Bureau to use this information for dissemination	
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Contact person who could be contacted for more information:				Date:	
<b>Shri Rajeev Singla</b>					


### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	5. Installed in house steam heater for FO heating.	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D effort			
<b>Description of the energy conservation measure:</b>					
In house designed steam heater has been installed in place of electrical heaters to heat furnace oil at fuel oil separator to save power. (Steam cost is negligible as we have waste heat recovery boiler at WARTSILA DG Sets.					
<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):					
Total investment, Rs.: 0.50 lacs			Year of implementation: 2006-07		
First year energy cost savings, Rs. 6.71 Lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	528	NA	NA	NA	
Energy consumption after	96	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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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				Date:	



### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	6. Shifting of 2500 KVA 11/0.415 KV transformer to reduce line losses of M-6.	Sector - Textile			
Year to be filled by BEE	Technology – In house R&D effort.				
<b>Description of the energy conservation measure:</b>					
Mill 6 - 2500 KVA 11 / 0.415 KV transformer has been shifted near LT panels & reduced the line losses because of long LT cables & intermediate panels. The voltage drop has been reduced by 6.45 Volt & current is 1800 AMP.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
 <p style="font-size: 1.2em; font-weight: bold; color: white; text-align: center;">Shown L.T. panel is eliminated &amp; transformer shifting near to PCC room. (LT cable length reduced 200 meters to 25 meters.)</p>					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 1.75 lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 6.71 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	950	NA	NA	NA	
Energy consumption after	325	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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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				Date:	



### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	7. Installation of inverter with auto speed regulation in Humidification plant.	Sector - Textile			
Year to be filled by BEE		Technology – Technology up gradation			
<b>Description of the energy conservation measure:</b>					
In humidification plant, one no inverter has been installed on the washer pump motor with auto speed regulation according to requirement of humidity. Earlier it as used to run at 100% speed. The average speed of the motor has been reduced to 80% where as max speed has been restricted to 90%.					
<b>Picture/ sketch/ drawing before modification</b> (if available)			<b>Picture/ sketch/ drawing after modification</b>		
<b>Humidification plant pumps run continuously with DOL starter.</b>					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.50 lacs			Year of implementation: 2006-07		
First year energy cost savings, 0.85Rs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	198	NA	NA	NA	
Energy consumption after	144	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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  Signature  Date:	
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### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	8. Installation of energy efficient Opti Power motor in Ring Frame in place of conventional motor	Sector - Textile			
Year to be filled by BEE		Technology – Technology			
<b>Description of the energy conservation measure:</b>					
<p>In Ring Frame – one no. make LEDL (A Unit of LMW) energy efficient opti power motor has been installed to save energy. The efficiency of the motor is 94.6% against original motor of 92%. This has also resulted in to improvement of power factor.</p> <p>Investment : Rs. 0.80 lacs  Units saved/ annum : 0.22 lacs</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):					
Total investment, Rs.: 0.80 lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 0.93 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	646	NA	NA	NA	
Energy consumption after	586	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	NA	NA	NA	
Company complete address:				We authorize Bureau to use this information for dissemination	
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Contact person who could be contacted for more information:				Date:	
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### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	9. Optimisation of balloon setting in TFO machines.	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D effort			
<b>Description of the energy conservation measure:</b>					
This was observed that the TFO power consumes less power at lower balloon settings. Balloon size was optimized by taking various studies with respect to different yarn count patterns.					
<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):					
Total investment, Rs.: NIL			Year of implementation: 2006-07		
First year energy cost savings, Rs. 10.62 lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	42240	NA	NA	NA	
Energy consumption after	41556	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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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				Date:	



### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	10. Optimisation of plant lighting in production departments.	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D effort			
<b>Description of the energy conservation measure:</b>					
In production area, the illumination level was optimized as decided by the production department. More than 100 nos. tube lights in non essential area has been kept off by installing separate switch.					
<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):					
Total investment, Rs.: NIL	Year of implementation: 2006-07				
First year energy cost savings, Rs. 1.53 Lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	425	NA	NA	NA	
Energy consumption after	327	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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  Signature  Date:	
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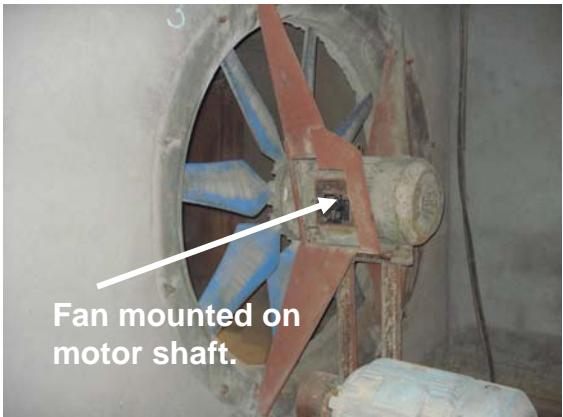
### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	11. All the yarn go-downs & plant attic has been equipped with translucent sheets.	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D effort			
<b>Description of the energy conservation measure:</b>					
All the yarn go-downs & plant attic above false ceiling has been equipped with translucent sheets to utilize maximum use of natural resource like sun light & hence saving power.					
<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):					
Total investment, Rs.: NIL		Year of implementation: 2006-07			
First year energy cost savings, Rs. 0.04 Lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	3	NA	NA	NA	
Energy consumption after	0	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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>  Contact person who could be contacted for more information:  <b>Shri Rajeev Singla</b>				We authorize Bureau to use this information for dissemination  Signature  Date:	

### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	12. Humidification plant rotary air filter auto ON & OFF switching as per differential pressure	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D effort			
<b>Description of the energy conservation measure:</b>					
At mill-8, in humidification plant 6nos. rotary air filter auto ON & OFF switching as per differential pressure.					
<b>Picture/ sketch/ drawing before modification</b> (if available)	<b>Picture/ sketch/ drawing after modification</b>				
 <p style="font-weight: bold; color: white; margin-top: 10px;">Rotary air filter continuously running.</p>					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 1.25 lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 5.43 Lacs					
First year other savings, Rs.					
On annual basis	kWh/day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	700	NA	NA	NA	
Energy consumption after	350	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	NA	NA	NA	
Company complete address:				We authorize Bureau to use this information for dissemination	
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Contact person who could be contacted for more information:				Date:	
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### Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	13. Conversion of belt driven fan to direct couple fan in humidification plant.	Sector - Textile			
Year to be filled by BEE		Technology – In house R&D effort			
<b>Description of the energy conservation measure:</b>					
At mill-1&2, in humidification plant 9 nos. belt driven to direct driven. Motor rating reduced from M-18.5 KW to 11KW by maintaining the same CFM in plant.					
<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):					
Total investment, Rs.: 2.5 lacs		Year of implementation: 2006-07			
First year energy cost savings, Rs. 6.55 Lacs					
First year other savings, Rs.					
On annual basis	kWh/ day	Coal (Tons)	Gas Nm <sup>3</sup>	Oil (kL)	Other
Energy consumption before	2747	NA	NA	NA	
Energy consumption after	2325	NA	NA	NA	
Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL ...	4.25	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  Signature  Date:	
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