


**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 No: 1   | Sector : Textile Plant<br>( Spinning Unit ) |
| Year to be filled by BEE   | <b>Installation of Waste Heat recovery Boiler<br/>at 1.5 M.W. D.G. Exhaust line.</b> | Technology .....                            |
| <b>Description of the energy conservation measure: No: 1</b>   |  |   |
| <p>We have installed Waste Heat Recovery Boiler (WHRB) on 1.5 MW D.G set running on Furnace Oil. Due to this WHRB we have been able to conserve power which was used by electrical heaters at various locations, details of which are given here under:</p> <p>1.a : For heating Furnace Oil in 3 nos of storage tanks, electrical heater were used which we have converted into Steam Heating which is produced by WHRB.</p> <p>1. b: For yarn conditioning plant (YCP), electric heating system was used, which was converted into Steam heating system.</p> <p>1.c: Preparatory department of Unit-II, Infra heating Lamps were installed on the machines for maintaining temperature &amp; RH. To achieve required department conditions steam heaters have been installed in humidification plant supply air system and infra heating lamps have been eliminated.</p> |  |   |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)  | <b>Picture/ sketch/ drawing after modification</b>                                   |   |
| New installation   |  |   |
| <b>Agency that executed the project (with complete address and email):</b>   |  |   |
| <b>Supply &amp; Installed by:</b> PAR Techno-heat Pvt Ltd, Natraj Industrial Estate, Vasna- Iyava, Sanad- Viramgam Highway, Tal: Sanand 382 117, Website: www. par boiler.com; email: parboiler@hotmail.com.   |  |   |
| <b>Total investment:</b> Rs.: 34.50 Lacs   | <b>Year of implementation:</b> 2007 – 2008   |   |

|   |             |                |                        |   |       |
|---|-------------|----------------|------------------------|---|-------|
| <b>First year energy cost savings: Rs. 20. 92 Lacs (total of 1.a, 1.b &amp; 1.c)</b>  |             |                |                        |   |       |
| <b>First year other savings : Nil</b>   |             |                |                        |   |       |
| On annual basis   | kWh<br>000' | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup> | Oil<br>(kL)   | Other |
| Energy consumption before   | 3,73,680    | N.A.           | N.A.                   | N.A.  | N.A.  |
| Energy consumption after  | Nil         |                |                        |   |       |
| Energy tariff: Rs/ kWh  | Rs. 5.60    |                |                        |   |       |
| <b>Company complete address:</b><br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway,<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br><br><b>Contact person who could be contacted for more information:</b><br><br>Shri G.R. BASOTIA (Whole Time Director), Mob. No : 09898005391<br>Shri R.P. Khator (Chief Engineer), Mob. No: 09979113846 |             |                |                        | We authorize Bureau<br>to use this<br>information<br>for dissemination<br><br>Signature:<br><br>Date: |       |

**Yearly saving: Power and cost saving shown in the respective format 1a, 1b, and 1c .**


**Annexure 'B'**

**Energy Conservation Measure implemented in 2007-2008**  
(To be filled up separately for each Energy Conservation Measure)

|   |  |                |   |  |       |
|---|--|----------------|---|--|-------|
| ID to be filled by BEE  | <b>Title of the measure No: 1(a)</b>   |                | Sector : Textile Plant<br>(Spinning Unit )  |  |       |
| Year to be filled by BEE  | Electrical heating in 3 nos F.O. storage tank converted to steam heating system. |                | Technology .....  |  |       |
| <b>Description of the energy conservation measure: NO: 1 (a)</b>  |  |                |   |  |       |
| 1.a : For heating Furnace Oil in 3 nos of storage tanks, electrical heater were used which we have converted into Steam Heating which is produced by WHRB.  |  |                |   |  |       |
| <b>Yearly Power Savings</b> : 24 Kw x 16 hr x 360 = 1,38,240 KWH  |  |                |   |  |       |
| <b>Yearly Money Savings</b> : 1,38,240 x 5.60 : Rs. 7,74,144.0  |  |                |   |  |       |
| Picture/ sketch/ drawing before modification (if available)   |  |                | Picture/ sketch/ drawing after modification   |  |       |
|   |  |                |  |  |       |
| <b>Agency that executed the project (with complete address and email):</b> Xicon International Ltd, 283/287, F wing 2 <sup>nd</sup> Floor, Solaris- I, Sakivihar road, Andheri (E), Mumbai 400072, Email: xicon@bom4.vsnl.net.in  |  |                |   |  |       |
| Total investment: Rs. 3.50 Lacs   |  |                | Year of implementation: 2007 – 2008   |  |       |
| First year energy cost savings: Rs. 7.74 Lacs   |  |                |   |  |       |
| First year other savings, Rs.: Nil  |  |                |   |  |       |
| On annual basis   | kWh<br>000'  | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before   | 138240   | N.A.           | N.A.  | N.A.   | N.A.  |
| Energy consumption after  | Nil  |                |   |  |       |
| Energy tariff, Rs/ kWh  | Rs. 5.60   |                |   |  |       |
| <b>Company complete address:</b><br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |  |                |   | We authorize Bureau to use this information for dissemination<br><br>Signature:<br><br>Date: |       |


**Annexure 'B'**

**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 <b>No: 1 (b)</b> |                | Sector : Textile Plant<br>( Spinning Unit )   |  |       |
| Year to be filled by BEE  | Steam Heating at SIEGER YCP.          |                | Technology .....  |  |       |
| Description of the energy conservation measure: NO: 1 (b)   |                                       |                |   |  |       |
| 1.b: For yarn conditioning plant (YCP), electric heating system was used, which was converted into Steam heating system.  |                                       |                |   |  |       |
| <b>Yearly Power Saving:</b> 90 Kw x 12 hr x 0.5 LF X360 = 194400 KWH  |                                       |                |   |  |       |
| <b>Yearly Money Saving:</b> 194400 x 5.60 = Rs.1088640.00   |                                       |                |   |  |       |
| Picture/ sketch/ drawing before modification (if available)   |                                       |                | Picture/ sketch/ drawing after modification   |  |       |
|   |                                       |                |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.  |                                       |                |   |  |       |
| Total investment: <b>Rs. 0. 40 Lacs</b>   |                                       |                | Year of implementation: <b>2007 – 2008</b>  |  |       |
| First year energy cost savings: <b>Rs. 10. 88 Lacs</b>  |                                       |                |   |  |       |
| First year other savings: Nil   |                                       |                |   |  |       |
| On annual basis   | kWh<br>000'                           | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before   | 1,94,400                              | N.A.           | N.A.  | N.A.   | N.A.  |
| Energy consumption after  | Nil                                   |                |   |  |       |
| Energy tariff, Rs/ kWh  | Rs. 5.60                              |                |   |  |       |
| <b>Company complete address:</b><br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |                                       |                |   | We authorize Bureau to use this information for dissemination<br><br>Signature:<br><br>Date: |       |


**Annexure 'B'**

**Energy Conservation Measure implemented in 2007-2008**  
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|  |                                       |   |   |  |       |
|--|---------------------------------------|---|---|--|-------|
| ID to be filled by BEE   | Title of the measure No: 1( c )       |   | Sector : Textile Plant<br>( Spinning Unit ) |  |       |
| Year to be filled by BEE   | Prep. Dept. heating by Steam Heaters. |   | Technology .....                            |  |       |
| <p>Description of the energy conservation measure: NO: 1 ( c )<br/> Steam Heaters are installed in the Humidification Plant of Carding and Preparatory department for increasing department temperature. With this arrangement we are able to eliminate Infra Heating Lamps of 250 Watt from the machines.</p> <p><b>Yearly Power Savings</b> : 38 x 0.25 kw x 24 hr x 180 days = 41040 KWH</p> <p><b>Yearly Money Savings</b> : 41040 x 5.60 = Rs. 229824</p> |                                       |   |   |  |       |
| Picture/ sketch/ drawing before modification (if available)  |                                       | <b>Picture/ sketch/ drawing after modification</b>                                  |   |  |       |
| NEW INSTALLED.   |                                       |  |   |  |       |
| Agency that executed the project (with complete address and email): Self executed.   |                                       |   |   |  |       |
| Total investment, Rs.: 1,20,000.00   |                                       |   | Year of implementation: 2007 – 2008         |  |       |
| First year energy cost savings, Rs.: 2,29,824.00   |                                       |   |   |  |       |
| First year other savings, Rs. -  |                                       |   |   |  |       |
| On annual basis  | kWh<br>000'                           | Coal<br>(Tons)  | Gas<br>Nm <sup>3</sup>                      | Oil<br>(kL)  | Other |
| Energy consumption before  | 41040                                 | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | Nil                                   |   |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60                              |   |   |  |       |
| <b>Company complete address:</b><br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846  |                                       |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature:<br><br>Date: |       |

**Annexure 'B'**

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

|  |   |                |   |   |       |
|--|---|----------------|---|---|-------|
| ID to be filled by BEE   | Title of the measure No: 2 (a)                                  |                | Sector : Textile Plant<br>( Spinning Unit )   |   |       |
| Year to be filled by BEE   | Complete stoppage of H – Plant Fans in Unit II Dept – blow room |                | Technology .....  |   |       |
| <b>Description of the energy conservation measure: NO: 2(a)</b>  |   |                |   |   |       |
| Blow room department Humidification Plant Supply Air & Return Air fans which were running continuously were stopped without compromising the product quality, indoor air quality, manpower working, etc. Waste collection centrifugal fan, cyclone and compactors are kept running.  |   |                |   |   |       |
| <b>Yearly Power Savings : 17.5 x24 x 360 = 151200 KWH</b>  |   |                |   |   |       |
| <b>Yearly Money Savings : 151200 x 5.60 = Rs. 84,6720</b>  |   |                |   |   |       |
| Picture/ sketch/ drawing before modification (if available)  |   |                | Picture/ sketch/ drawing after modification   |   |       |
|  |   |                |  |   |       |
| Agency that executed the project (with complete address and email): Self executed.   |   |                |   |   |       |
| Total investment, Rs.: Nil.  |   |                | Year of implementation: 2007 – 2008   |   |       |
| First year energy cost savings, Rs.: 8,46,720.00   |   |                |   |   |       |
| First year other savings, Rs.: -   |   |                |   |   |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other |
| Energy consumption before  | 151200  | N.A.           | N.A.  | N.A.  | N.A.  |
| Energy consumption after   | Nil   |                |   |   |       |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL  | Rs. 5.60  |                |   |   |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka<br>On Dholka – Bagodara highway, Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |   |                |   | We authorise Bureau to use this information for dissemination |       |
|  |   |                |   | Signature   |       |
|  |   |                |   | Date  |       |



### Annexure 'B'

**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 No: 2( b )   |                | Sector : Textile Plant<br>( Spinning Unit )   |  |       |
| Year to be filled by BEE   | Prep. Dept. H – Plant one S.A Fan<br>stopped out of the 3 nos in Unit – II. |                | Technology .....  |  |       |
| <b>Description of the energy conservation measure: NO: ( b )</b>   |   |                |   |  |       |
| In Preparation H – Plant we have stopped one S.A. Fan out of the 3 nos and maintaining required R.H % without effecting working. Fan mouth is blocked by G.I sheet cover to avoid short circulating of air flow.   |   |                |   |  |       |
| <b>Yearly Power Savings : 9.3 x 23 x360 = 77004 KWH</b>  |   |                |   |  |       |
| <b>Yearly Money Savings : 77004 x 5.60 = 431222.00</b>   |   |                |   |  |       |
| Picture/ sketch/ drawing before modification(if available)   |   |                | Picture/ sketch/ drawing after modification   |  |       |
|    |   |                |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.   |   |                |   |  |       |
| Total investment, Rs.: Nil   |   |                | Year of implementation: 2007 – 2008   |  |       |
| First year energy cost savings, Rs.: 4.31.222.00   |   |                |   |  |       |
| First year other savings, Rs.: -   |   |                |   |  |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before  | 77004.00  | N.A.           | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | Nil   |                |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60  |                |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director), Mob. No: 09898005391<br>Shri R.P. Khator (Chief Engineer ), Mob. No: 09979113846 |   |                |   | We authorise Bureau<br>to use this information<br>for dissemination<br><br>Signature<br><br>Date |       |



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

|  |   |   |   |  |       |
|--|---|---|---|--|-------|
| ID to be filled by BEE   | Title of the measure No: 2( c )   | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE   | Ring frame dept. H- Plant one S.A Fan stopped, out of the 4 nos in Unit – II, | Technology .....                            |   |  |       |
| <b>Description of the energy conservation measure: NO: 2 (C)</b><br>In Ring Frame department H –Plant, we have stopped one S.A. Fan out of the 4 nos. Department R.H conditions are maintained as per the requirement without affecting working. Fan mouth is blocked by G. I. sheet cover to avoid short circulation of the flow.<br><b>Yearly Power Savings : 13.5 x 24 x 360 = 116640 Kwh</b><br><b>Yearly Money Savings : 116640 x 5.60 = Rs.653184.00</b> |   |   |   |  |       |
| Picture/ sketch/ drawing before modification (if available)  |   |   | Picture/ sketch/ drawing after modification   |  |       |
|    |   |   |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.   |   |   |   |  |       |
| Total investment, Rs.: Nil.  |   |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 6,53,184.00</b>  |   |   |   |  |       |
| First year other savings: Rs.  |   |   |   |  |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before  | 116640.0  | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | Nil   |   |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60  |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera; Tal: Dholka; On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br><br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846   |   |   |   | We authorise Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |



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|  |  |                |   |  |       |
|--|--|----------------|---|--|-------|
| ID to be filled by BEE   | Title of the measure No: 2(d )   |                | Sector : Textile Plant<br>( Spinning Unit )   |  |       |
| Year to be filled by BEE   | A/Coner dept. H- Plant one S.A Fan stopped, out of the 2 nos in Unit – II, |                | Technology .....  |  |       |
| <b>Description of the energy conservation measure: NO: 2 (d)</b>   |  |                |   |  |       |
| In Auto coner department H –Plant, we have stopped one Supply Air Fan out of the 2 nos maintaining RH conditions as per the requirement without affecting working. Fan mouth is blocked by G. I. sheet cover to avoid short circulation of the flow.   |  |                |   |  |       |
| <b>Yearly Power Savings</b> : 7.9 x 24 x 360 = 68256 Kwh   |  |                |   |  |       |
| <b>Yearly Money Savings</b> : 68256 x 5.6 = Rs. 382234.0   |  |                |   |  |       |
| Picture/ sketch/ drawing before modification (if available)  |  |                | Picture/ sketch/ drawing after modification   |  |       |
|    |  |                |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.   |  |                |   |  |       |
| Total investment, Rs.: Nil.  |  |                | Year of implementation: 2007 – 2008   |  |       |
| First year energy cost savings: Rs. 3,82,233.60  |  |                |   |  |       |
| First year other savings, Rs.: -   |  |                |   |  |       |
| On annual basis  | kWh<br>000'  | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before  | 68256.00   | N.A.           | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | Nil  |                |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60   |                |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |  |                |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |



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|  |  |   |                        |  |       |
|--|--|---|------------------------|--|-------|
| ID to be filled by BEE   | Title of the measure No: 3( a )<br>Reduction of fan blade angle by 3 degree<br>for S.A and R.A fans of Prep. Dept. in Unit<br>-II. | Sector : Textile Plant<br>( Spinning Unit )   |                        |  |       |
| Year to be filled by BEE   |  | Technology .....  |                        |  |       |
| <p><b>Description of the energy conservation measure: NO: 3 ( a )</b><br/> After successful results of (Title of the) measures 2 (a, b, c &amp; d) we have gone for the reduction in fan blade angle and arrived 3 degree reduction level without any disturbance in the production. Hence fan blade angle reduced for 2 nos S.A and 2 nos R.A fans to balance the air level in the Prep. dept. Of Unit – II.</p> <p><b>Yearly Power saving of :</b> S.A. Fans : 8.87 kw x 23 Hr x 360 days = 73444 Kwh<br/> R.A Fans : 13.70 Kw x 23 Hr x 360 days = 113436 Kwh</p> <p><b>Yearly Money saving :</b> 73444 x 5.60 + 113436 x 5.60 = Rs. 10,46,528.00</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): Self executed.   |  |   |                        |  |       |
| Total investment, Rs.: Nil.  |  | Year of implementation: 2007 – 2008   |                        |  |       |
| <b>First year energy cost savings: Rs. 10,46,528.00</b>  |  |   |                        |  |       |
| First year other savings, Rs.: -   |  |   |                        |  |       |
| On annual basis  | KWh<br>000'  | Coal<br>(Tons)  | Gas<br>Nm <sup>3</sup> | Oil<br>(kL)  | Other |
| Energy consumption before  | 400669   | N.A.  | N.A.                   | N.A.   | N.A.  |
| Energy consumption after   | 213789   |   |                        |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60   |   |                        |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera; Tal: Dholka; On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846   |  |   |                        | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |



**Annexure 'B'**

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|   |   |   |   |  |       |
|---|---|---|---|--|-------|
| ID to be filled by BEE  | Title of the measure No: 3( b )   | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE  | Reduction of fan blade angle by 3 degree for S.A and R.A fans of R/Frame Dept. in Unit –II. | Technology .....                            |   |  |       |
| <p><b>Description of the energy conservation measure: NO: 3 ( b )</b></p> <p>After successful results of (Title of the) measures 2 (a, b, c &amp; d) we have gone for the reduction in fan blade angle and arrived 3 degree reduction level without any disturbance in the production. Hence fan blade angle reduced for 3 nos S.A and 3 nos R.A fans to balance the air level in the R/Fr. Dept. of Unit – II.</p> <p><b>Yearly Power saving of :</b> S.A. Fans 21.12 kw x 23 Hr x 360 days = 182477 Kwh<br/>R.A Fans 25.07 K.w x 23 Hr x 360 days = 216605 Kwh</p> <p><b>Yearly Money saving :</b> 182477 x 5.60 + 216605 x 5.60 = Rs. 22,34,859.00</p> |   |   |   |  |       |
| Picture/ sketch/ drawing before modification (if available)   |   |   | Picture/ sketch/ drawing after modification   |  |       |
|   |   |   |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.  |   |   |   |  |       |
| Total investment, Rs.: Nil.   |   |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 22,34,859.00</b>  |   |   |   |  |       |
| First year other savings, Rs.: -  |   |   |   |  |       |
| On annual basis   | kWh<br>000'   | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before   | 841536  | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after  | 442456  |   |   |  |       |
| Energy tariff, Rs/ kWh  | Rs. 5.60  |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846  |   |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |

**Annexure 'B'**


**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 No: 3(c)  | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE  | Reduction of fan blade angle by 3 degree for R.A fan of Auoconer Dept. in Unit – II. | Technology .....                            |   |  |       |
| <b>Description of the energy conservation measure: NO: 3 ( c )</b>  |  |   |   |  |       |
| <p>After successful results of (Title of the) measures 2 (a, b, c &amp; d) we have gone for the reduction in fan blade angle and arrived 3 degree reduction level without any disturbance in the production. Hence fan blade angle reduced for 1 no R.A fan and balance the air level in the Autoconer department of Unit – II.</p> <p><b>Yearly Power saving of</b> : R.A. Fan 3.20 kw x 24 Hr x 360 days = 27648 Kwh<br/> <b>Yearly Money saving</b> : 27648 x 5.60 = Rs. 1,54,829.00</p> |  |   |   |  |       |
| Picture/ sketch/ drawing before modification (if available)   |  |   | <b>Picture/ sketch/ drawing after modification</b>                                  |  |       |
|   |  |   |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.  |  |   |   |  |       |
| Total investment, Rs.: Nil.   |  |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 1,54,829.00</b>   |  |   |   |  |       |
| First year other savings, Rs.: -  |  |   |   |  |       |
| On annual basis   | kWh<br>000'  | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before   | 149472   | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after  | 121824   |   |   |  |       |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL<br>...  | Rs. 5.60   |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera<br>Tal: Dholka<br>On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA ( Whole Time Director ) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ) , Mob. No: 09979113846   |  |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |

**Annexure 'B'**



**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 No: 4(b )   |                | Sector : Textile Plant<br>( Spinning Unit )   |   |       |
| Year to be filled by BEE  | Reduction of fan blade angle by 3 degree for S.A. and R.A fans of R/Frame Dept. H –Plant in Unit –I. |                | Technology .....  |   |       |
| <b>Description of the energy conservation measure: NO: 4 (b)</b><br>After making few attempts, we have arrived finally for a reduction of fan blade angle by 3 degree of 5 nos S.A. and 2 nos R.A. Fans in the Humidification Plant of Ring frame department of Unit – I.<br><b>Yearly Power saving of :</b> S.A. Fans 15.02 kw x 24 Hr x 360 days = 129773 Kwh<br>R.A. Fans 14.30 Kw x 24 Hr x 360 days = 123552 Kwh<br><b>Yearly Money saving of :</b> 129773 x 5.60 + 123552 x 5.60 ) = Rs. 14,18,620.00 |  |                |   |   |       |
| Picture/ sketch/ drawing before modification (if available)   |  |                | Picture/ sketch/ drawing after modification   |   |       |
|   |  |                |  |   |       |
| Agency that executed the project (with complete address and email): Self executed.  |  |                |   |   |       |
| Total investment, Rs.: Nil.   |  |                | Year of implementation: 2007 – 2008   |   |       |
| <b>First year energy cost savings, Rs.: 14,18,620.00</b>  |  |                |   |   |       |
| First year other savings, Rs.: -  |  |                |   |   |       |
| On annual basis   | kWh<br>000'  | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other |
| Energy consumption before   | 1205539  | N.A.           | N.A.  | N.A.  | N.A.  |
| Energy consumption after  | 952214   |                |   |   |       |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL   | Rs. 5.60   |                |   |   |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810  |  |                |   | We authorize Bureau to use this information for dissemination |       |
| Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846  |  |                |   | Signature   |       |
|   |  |                |   | Date  |       |



**Annexure 'B'**

**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 No: 4( c )   | Sector : Textile Plant<br>( Spinning Unit ) |   |   |       |
| Year to be filled by BEE   | Reduction of fan blade angle by 3 degree of Wdg. Plant R.A fan and stopping S.A. Fan & Pump. in Unit – I. | Technology .....                            |   |   |       |
| <b>Description of the energy conservation measure: NO: 4 ( c )</b>   |   |   |   |   |       |
| Out of the two plants for Autoconer department, one S.A . Fan and one Pump is stopped and also blade angle is reduced for one no. R.A. Fan in the Humidification Plant of Unit – I.  |   |   |   |   |       |
| <b>Yearly Power saving of</b> : Power 27.82 kw x 24 Hr x 360 days = 240365 Kwh   |   |   |   |   |       |
| <b>Yearly Money saving of</b> : 240365 x 5.60 = Rs. 13,46,043.0  |   |   |   |   |       |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)  |   |   | <b>Picture/ sketch/ drawing after modification</b>                                  |   |       |
|    |   |   |  |   |       |
| Agency that executed the project (with complete address and email): Self executed.   |   |   |   |   |       |
| Total investment, Rs.: Nil.  |   |   | Year of implementation: 2007 – 2008   |   |       |
| <b>First year energy cost savings, Rs.: 13,46,043.00</b>   |   |   |   |   |       |
| First year other savings, Rs.: -   |   |   |   |   |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other |
| Energy consumption before  | 334541  | N.A.  | N.A.  | N.A.  | N.A.  |
| Energy consumption after   | 94176   |   |   |   |       |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL  | Rs. 5.60  |   |   |   |       |
| ...  |   |   |   |   |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera; Tal: Dholka; On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |   |   |   | We authorize Bureau to use this information for dissemination |       |
|  |   |   |   | Signature   |       |
|  |   |   |   | Date  |       |

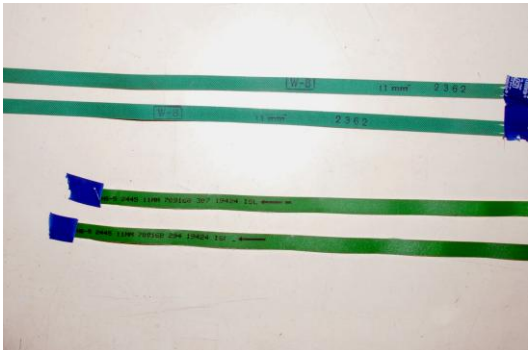

### Annexure 'B'

**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 No: 5   | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE   | Replacement of Ordinary 'V – Belts' by Cogged 'V – Belts' at various machine pulley. | Technology .....                            |   |  |       |
| <b>Description of the energy conservation measure: NO: 5</b>   |  |   |   |  |       |
| We have replaced Ordinary 'V – Belts' by Cogged 'V – Belts' at various machine pullies in both the Units and obtained Power saving also friction losses reduced.   |  |   |   |  |       |
| <b>Yearly Power saving of</b><br>: On 20 nos V – Belt drive m/cs = 385 x 360 days = 138600 Kwh   |  |   |   |  |       |
| <b>Yearly Money saving of</b> : 138600 x 5.60 = Rs. 7,76,160.00  |  |   |   |  |       |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)  |  |   | <b>Picture/ sketch/ drawing after modification</b>                                  |  |       |
|    |  |   |  |  |       |
| Agency that executed the project (with complete address and email): Self executed.   |  |   |   |  |       |
| Total investment, Rs.: 10,000.00   |  |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 7,76,160.00</b>  |  |   |   |  |       |
| First year other savings, Rs.: -   |  |   |   |  |       |
| On annual basis  | kWh<br>000'  | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before  | 1635480  | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | 1496880  |   |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60   |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |  |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |



**Annexure 'B'**

**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 No: 6   | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE   | Replacement of Normal Spindle Tape by W – 8 HABASIT Switzerland tapes. | Technology .....                            |   |  |       |
| <b>Description of the energy conservation measure: NO: 6</b>   |  |   |   |  |       |
| At KTTM R/Frame 09 machines we have replaced normal spindle tapes by Energy Efficient W -8 HABASIT Switzerland tapes and achieved power saving. On the other hand friction losses reduced and average spindle speed increased due to better grip, which is additional gain for productivity.   |  |   |   |  |       |
| <b>Power consumption before</b> : 32.23 KW.  |  |   |   |  |       |
| <b>Power consumption after</b> : 31.70 KW  |  |   |   |  |       |
| <b>Yearly Power Saving</b> : 32.23 – 31.70 X23 Hrs x 360 days x 9 m/cs = 39528 KWH   |  |   |   |  |       |
| <b>Yearly Money Saving</b> : 39528 x 5.60 = Rs. 2,21,357.00  |  |   |   |  |       |
| <b>Picture/ sketch/ drawing before modification (if available)</b>   |  |   | <b>Picture/ sketch/ drawing after modification</b>                                  |  |       |
|    |  |   |  |  |       |
| <b>Agency that executed the project (with complete address and email):</b> Habasit lakoka Pvt Ltd. Unit II, SF Plot No 52/3, 52/4, Anoor Road, Aresur Post, Coimbatore – 641407. email: habasit.lakoka@habasit.com   |  |   |   |  |       |
| Total investment, Rs.: 254232  |  |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 2,21,357.00</b>  |  |   |   |  |       |
| First year other savings, Rs.: -   |  |   |   |  |       |
| On annual basis  | kWh<br>000'  | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(KI)  | Other |
| Energy consumption before  | 2401812  | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | 2362284  |   |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60   |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |  |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |


**Annexure 'B'**

**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 No: 7                                | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE   | Replacement of 30 – 35 grams Bobbins ( cops) by 28 grams. | Technology .....                            |   |  |       |
| <b>Description of the energy conservation measure: NO: 7</b>   |   |   |   |  |       |
| At 40's Count 09 nos Ring Frame machines we have used light weight bobbins (Cops) and obtained power saving.<br><b>Yearly Power Savings</b> : 2.5 KW x 12 doff x 9 m/cs x 360 days = 97200 Kwh<br><b>Yearly Money Savings</b> : 97200 x 5.60 = Rs. 5,44,320.00   |   |   |   |  |       |
| <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): Self executed.   |   |   |   |  |       |
| Total investment, Rs.: 2,47,104.00   |   |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 5,44,320.00</b>  |   |   |   |  |       |
| First year other savings, Rs.: -   |   |   |   |  |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before  | 1482888   | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | 1385688   |   |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60  |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |   |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |



### Annexure 'B'

**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 No: 8                                 | Sector : Textile Plant<br>( Spinning Unit ) |   |   |       |
| Year to be filled by BEE  | Optimization of OHTC on 09 nos 40's Count Ring frame m/cs. | Technology .....                            |   |   |       |
| <b>Description of the energy conservation measure: NO: 8</b>  |  |   |   |   |       |
| At 40's Count 09 nos Ring Frame machines we have increased parking time of ELGI OHTC (Over head traveling cleaner) to save power. In this process OHTC runs for 42 minutes and stops for 18 minutes and so on.  |  |   |   |   |       |
| <b>Yearly Power Saving:</b> 16 KW x 9 m/cs x 360 days = 51840 Kwh   |  |   |   |   |       |
| <b>Yearly Money Saving:</b> 51840 x 5.60 = Rs. 2,90,304.0   |  |   |   |   |       |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)   |  |   | <b>Picture/ sketch/ drawing after modification</b>                                  |   |       |
|   |  |   |  |   |       |
| Agency that executed the project (with complete address and email): Self executed.  |  |   |   |   |       |
| Total investment, Rs.: Nil  |  |   | Year of implementation: 2007 – 2008   |   |       |
| <b>First year energy cost savings, Rs.: 2,90,304.00</b>   |  |   |   |   |       |
| First year other savings, Rs.: -  |  |   |   |   |       |
| On annual basis   | kWh<br>000'  | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other |
| Energy consumption before   | 178848   | N.A.  | N.A.  | N.A.  | N.A.  |
| Energy consumption after  | 127008   |   |   |   |       |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL   | Rs. 5.60   |   |   |   |       |
| ...   |  |   |   |   |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera; Tal: Dholka ; On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |  |   |   | We authorize Bureau to use this information for dissemination |       |
|   |  |   |   | Signature   |       |
|   |  |   |   | Date  |       |


**Annexure 'B'**

**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 No: 9  | Sector : Textile Plant<br>( Spinning Unit ) |   |  |       |
| Year to be filled by BEE   | Power Capacitors addition and Replacement to raise P.F from 0.92 to 0.995 | Technology .....                            |   |  |       |
| <b>Description of the energy conservation measure: NO: 9</b>   |   |   |   |  |       |
| We have measures to improve power Factor from 0.92 to 0.995 by replacing low value capacitors and adding new capacitors where ever required. In this process system losses are reduced as well as MDI too.   |   |   |   |  |       |
| <b>Power losses before capacitor replacement</b> : 189369 KWH.   |   |   |   |  |       |
| <b>Power losses after replacement</b> : 165249 KWH   |   |   |   |  |       |
| <b>Yearly Power Savings</b> : 189369 – 165249 KWH : 24120 Kwh  |   |   |   |  |       |
| <b>Yearly Money Savings: 51840 x 5.60</b> : Rs. 1,35,072.00  |   |   |   |  |       |
| <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): Make: "Momaya Capacitors" & Self executed.   |   |   |   |  |       |
| Total investment, Rs.: 300000.00   |   |   | Year of implementation: 2007 – 2008   |  |       |
| <b>First year energy cost savings, Rs.: 1,35,072.00</b>  |   |   |   |  |       |
| First year other savings, Rs.: -   |   |   |   |  |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons)                              | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other |
| Energy consumption before  | 189369  | N.A.  | N.A.  | N.A.   | N.A.  |
| Energy consumption after   | 165249  |   |   |  |       |
| Energy tariff, Rs/ kWh   | Rs. 5.60  |   |   |  |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |   |   |   | We authorize Bureau to use this information for dissemination<br><br>Signature<br><br>Date |       |

### Annexure 'B'

**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 No: 10                                 |                | Sector : Textile Plant<br>( Spinning Unit )   |   |       |
| Year to be filled by BEE   | Low value 3.5 x 300 Sq. mm cable replacement at Panel P -6. |                | Technology .....  |   |       |
| <b>Description of the energy conservation measure: NO: 10</b>  |   |                |   |   |       |
| At Panel no: P -6 of Ring Frame department out of 02 cables, insulation value of one cable was low @ 500 Ohms. Thus one run cable size 3.5 core x 300 Sq. mm was replaced and cable loss eliminated.   |   |                |   |   |       |
| <b>Yearly Cable losses before</b> : 22987 KWH.   |   |                |   |   |       |
| <b>Yearly cable losses after</b> : 14347 KWH   |   |                |   |   |       |
| <b>Yearly Power Savings</b> : 22987 – 14347 KWH = 8640 Kwh   |   |                |   |   |       |
| <b>Yearly Money Savings</b> : 8640 x 5.60 = Rs. 48,384.00  |   |                |   |   |       |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)  |   |                | <b>Picture/ sketch/ drawing after modification</b>                                  |   |       |
|  |   |                |  |   |       |
| Agency that executed the project (with complete address and email): Self executed.   |   |                |   |   |       |
| Total investment, Rs.: 1,40,000.00l  |   |                | Year of implementation: 2007 – 2008   |   |       |
| <b>First year energy cost savings, Rs.: 48,384.00</b>  |   |                |   |   |       |
| First year other savings, Rs.: -   |   |                |   |   |       |
| On annual basis  | kWh<br>000'   | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(Kl)   | Other |
| Energy consumption before  | 22987   | N.A.           | N.A.  | N.A.  | N.A.  |
| Energy consumption after   | 12347   |                |   |   |       |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL  | Rs. 5.60  |                |   |   |       |
| ...  |   |                |   |   |       |
| Company complete address:<br>M/s. Kanco Overseas<br>Village: Walthera, Tal: Dholka, On Dholka – Bagodara highway<br>Dist: Ahmedabad ( Gujrat ) – 387 810<br>Contact person who could be contacted for more information:<br>Shri G.R. BASOTIA (Whole Time Director) , Mob. No: 09898005391<br>Shri R.P. Khator ( Chief Engineer ), Mob. No: 09979113846 |   |                |   | We authorize Bureau<br>to use this information<br>for dissemination |       |
|  |   |                |   | Signature   |       |
|  |   |                |   | Date  |       |

20:

(1) **Unit Profile:**

**M/S KANCO OVERSEAS  
PROP : KANCO ENTERPRISES LTD.**

Dholka Bagodara Highway

Village: Walthera , Taluka : Dholka

Dist : Ahmedabad (Gujarat)

M/s. Kanco Overseas is BIS Certified **ASO 9001 : 2000** Cotton Spinning Mill, manufacturing 100% Combed Cotton Yarn of different counts for Weaving and Hosiery industries. The company has extended installed Spindles from 27456 to 38016 spindles and 7 nos circular Knitting fabric machines. The target production of yarn is about 20 tons per day and knitted fabric is 3 tons per day.

The company is equipped with latest machinery which are indigenous as well as imported make. The company has it's own Quality Assurance Laboratory with latest imported testing equipment and system.

The company has F.O. based Captive Power Plant with installed capacity of 5075 KVA and also having purchased Power Contract Demand of 4000 KVA with Uttar Gujrat Vij. Company



#### **20(ii) ENERGY CONSUMPTION:**

With continuous efforts and trials we are implementing various Energy conservation measures as ongoing practice, without hampering production and quality of yarn. In the year 2006 – 2007 due to execution of expansion project energy consumption on higher side. Now in 2007 – 2008 some

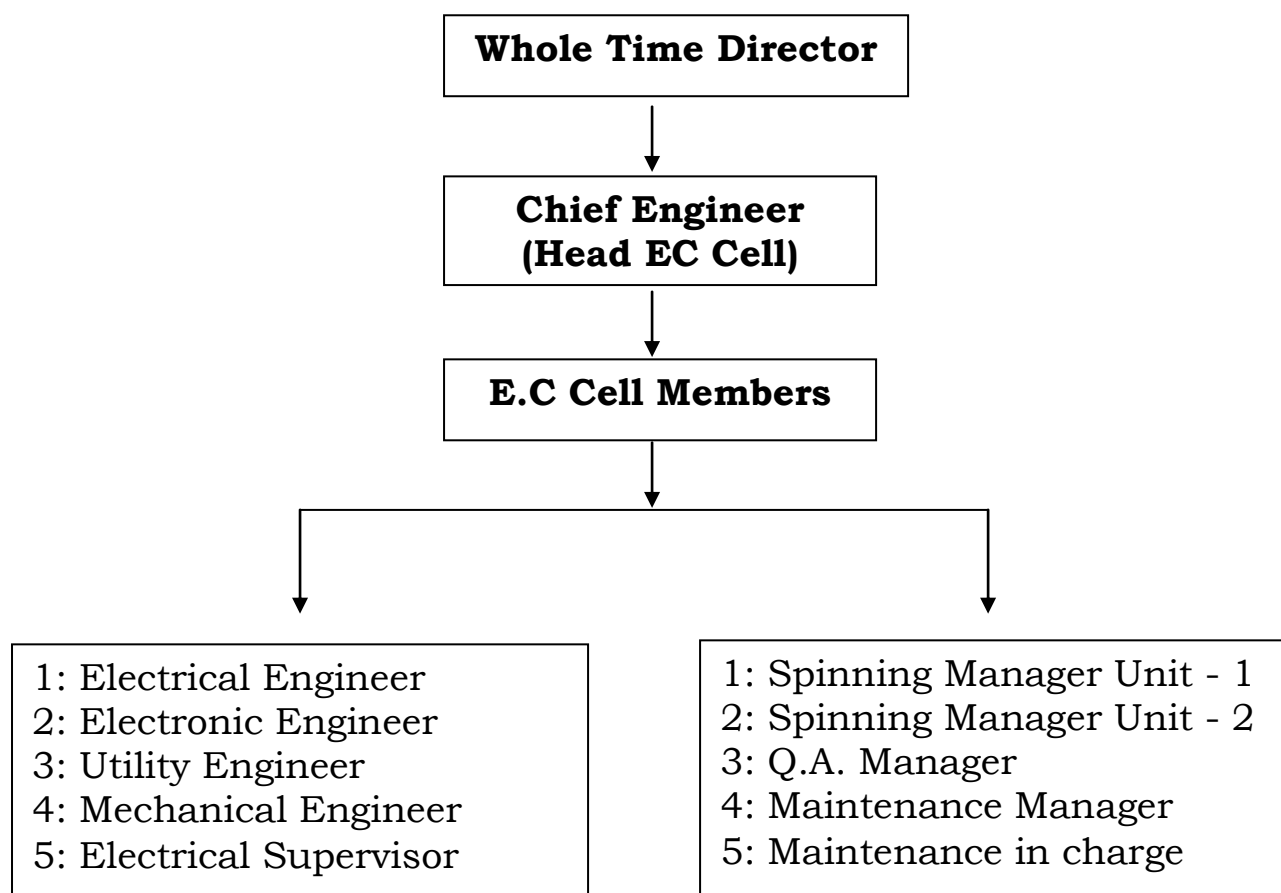
good efforts are made and obtained very good savings. Brief details of the Energy consumption for the last 3 years are as under:

**ENERGY CONSUMPTION DEATILS**

| Description                          | Unit    | 2005 - 06 | 2006 - 07 | 2007 – 08 |
|--------------------------------------|---------|-----------|-----------|-----------|
| Electrical Energy                    | KWH/ T  | 4017      | 4217      | 4068      |
| Total Energy Cost                    | Rs. Lac | 712.13    | 915.32    | 1204.5    |
| Energy as % of total production cost | %       | 13.71     | 16.51     | 16.76     |

**20(iii)**

**ENERGY CONSERVATION CELL**






**20(ii): Brief details of Major Energy Conservation Projects for years 2005 to 2008:**


**Year 2005 - 2006**



| SR | PROJECT DESCRIPTION | SAVINGS IN POWER<br>(Kwh/ YEAR) | RUPEES SAVINGS<br>(Rs / Yr.) | INVESTMENT<br>(Rs) | PHOTOGRAPHS |
|----|---------------------|---------------------------------|------------------------------|--------------------|-------------|
|----|---------------------|---------------------------------|------------------------------|--------------------|-------------|

**Considering unit rate Rs. 4.02/kWH**

|          |   |                  |           |       |   |
|----------|---|------------------|-----------|-------|---|
| <b>1</b> | Cyclic Timers installed in Humidification plant for period operation of waste collection cyclone fan motors of 3 nos 7.5kw capacity.      | <b>84600 kWH</b> | 3,40,092  | 7,500 |    |
| <b>2</b> | Eliminated one 30kw pumping set for filling water to O/H storage tank. Now water is supplied directly through tube-well submersible pump. | 1,31,760 kWH     | 5,29,675  | Nil   |    |
| <b>3</b> | Reduction in Supply Air capacity in Spinning plant in 3 Nos Supply Air Fans by changing blade angles.                                     | 2,62,310 kWH     | 10,54,488 | Nil   |  |

|          |   |            |        |     |  |
|----------|---|------------|--------|-----|--|
|          | <b>Year 2006 – 2007</b>                       |            |        |     |  |
| <b>4</b> | Compressor Pressure reduced from 9.6 to 8.2   | 97272 KWH  | 408542 | Nil |  |
| <b>5</b> | Stopping of S.A. Fan of B/Room H Plant Unit 1 | 145728 KWH | 612058 | Nil |  |

|          |   |        |        |     |   |
|----------|---|--------|--------|-----|---|
|          | <b>Year 2007 – 2008</b>   |        |        |     |   |
| <b>6</b> | F.O. heating in storage tank by Steam heaters in place of Electric heaters. | 138240 | 774144 | Nil |  |

|    |  |        |         |       |  |
|----|--|--------|---------|-------|--|
| 7  | Steam heating at Sieger YCP  | 194400 | 1088640 | 40000 |   |
| 8  | Complete stopping of H – Plant of B/Room in Unit 2                   | 151200 | 846720  | Nil   |  |
| 9  | Blade angle reduction of Spg. Plant S.A Fan in Unit – II             | 182477 | 1021871 | Nil   |  |
| 10 | Blade angle reduction of R.A. Fan of Spg. Plant in Unit 2            | 216605 | 1212988 | Nil   |  |
| 11 | Replacement of 35 gms Bobbin by 28 gms bobbin in R/Frame of unit - I | 97200  | 544320  | Nil   |  |

## 20(V) ENERGY CONSERVATION PLANS AND TARGETS

| Sno          | Description  | SAVING (Lac KWH) | Saving (Rs. In Lacs) | Investment (Rs. In Lacs) |
|--------------|--|------------------|----------------------|--------------------------|
| 01           | Installation of Inverter drive in place of hydraulic clutch drive in Simplex M/CS. | 0.45             | 2.52                 | 3.50                     |
| 02           | Replacement of very old and inefficient motors in Humidification Plants.           | 1.29             | 7.22                 | 6.00                     |
| 03           | Replacement of old oil type Air Compressor by higher size oil free Compressors     | 2.60             | 14.56                | 40.50                    |
| 04           | Replacement of W -8 tapes by other energy saving tapes for 10 R/Frame m/c          | 0.65             | 3.64                 | 2.90                     |
| <b>Total</b> |  | <b>4.99</b>      | <b>27.94</b>         | <b>52.40</b>             |

## **20(VI) Environment and Safety:**

The Company is committed to preserve it's Environment and safety for it's employees. Following steps have been taken in the last 3 years:

- **Water Effluents:**  
Ours is a Spinning Mill where wet effluents are not produced. Effluent water produced by R.O. Plant and Boiler blow down is colleted in a constructed under ground tank, where it's TDS is reduced and corrected water is re used in toilet flushing and gardening.
- **AIR:**  
For Air control we have installed 02 stacks of 40 mtrs height for DG Sets.
- **Solid Waste:**  
There is no solid waste.

