



Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	APFC for ACR and main Plant	Technology
Description of the energy conservation measure: Automatic Power factor Corrector For 250KVAR 2 No.s for avoiding manual error and distribution losses. Gaining full 7% incentive in electricity bills by maintaining unity Power Factor.		
Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification	
		
Agency that executed the project (with complete address and email):		
Total investment, Rs.: 4.25	Year of implementation: 2006-07	
First year energy cost savings, Rs.: 17.18		
Energy tariff, Rs/ kWh	5.51	
Company complete address: Kirloskar Pneumatics Company Ltd. Hadapsar Indl Estate. Hadapsar, Pune- 411013 Email:- sec@kpcl.net Office no.020-26870133/26870341 Fax No +91 20 26870297		We authorise Bureau to use this information for dissemination
Contact person who could be contacted for more information: Mr. U .V. Marathe (Manager Plant Engineering) Kirloskar Pneumatics Company Ltd. Hadapsar Indl Estate. Hadapsar, Pune- 411013 CellNo:- 09881495491 Email:- maratheuv@kpcl.net		Signature Date

ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Voltage Optimization	Technology

Description of the energy conservation measure:

Earlier distribution voltage was 440 volts it was reduced to 390 volts. Which resulted in reduced line losses.

Picture/ sketch/ drawing before modification (same)	Picture/ sketch/ drawing after modification
	

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

Total investment, **Rs.: Nil**

Year of implementation: 2006-07

First year energy cost savings, **Rs.: 4.0**

Energy tariff, Rs/ kWh

5.51

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ID to be filled by BEE	Title of the measure VFD for 200 & 350 CFM Compressor	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:

VFD was installed for 2 Compressors 200CFM and 350 CFM . It reduces the rpm during unload and decreased power consumption during unload.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification

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

Total investment, **Rs.: 12.00**

Year of implementation: 2006-07

First year energy cost savings, **Rs.: 0.686**

Energy tariff, Rs/ kWh

5.51

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Date

ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Movement Sensor In Toilets	Technology


Description of the energy conservation measure:
 Previously Lights and Exhaust Fans in toilets were continuously ON, that resulted into wastage of Energy. Movement Sensors were installed at Toilets that switches OFF when there is no movement for 10 minutes in Toilets, resulting Energy Saving.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

Agency that executed the project (with complete address and email):	
Total investment, Rs.:0.25	Year of implementation: 2006-07
First year energy cost savings, Rs.: 0.22	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure Energy Saver For Welding Machines	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:
 Energy savers for the welding Machines were installed to reduce the power consumption when machines are not in use.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

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

Total investment, Rs.:0.4	Year of implementation: 2006-07
First year energy cost savings, Rs.: 0.92	
Energy tariff, Rs/ kWh	5.51

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Date

ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Replacement of Incandescent Lamps by CFL in Machines	Technology


Description of the energy conservation measure:
 Inefficient Incandescent lamps that were used for Machine lighting were replaced by Energy Efficient CFL lamps.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

Agency that executed the project (with complete address and email):	
Total investment, Rs.:0.72	Year of implementation: 2006-07
First year energy cost savings, Rs.: 0.35	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure LED Indicator for Electrical panels and Overhead Cranes	Sector :Engineering
Year to be filled by BEE		Technology


Description of the energy conservation measure:
6 W Incandescent lamps in electrical panels and overhead Cranes Indicator were replaced by 0.5W LED lamps.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

Agency that executed the project (with complete address and email):	
Total investment, Rs.:0.06	Year of implementation: 2006-07
First year energy cost savings, Rs.: 0.33	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Providing Foot switch for VTL Machines	Technology

Description of the energy conservation measure:
Foot Switch for VTL machines were installed which supports operator in switching OFF Motor when not in use. Resulted into Energy saving.


Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

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

Total investment, Rs.:0.02	Year of implementation: 2006-07
First year energy cost savings, Rs.: 0.2	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure Wind Ventilator for compressor Testing Shop	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:
 Natural Wind ventilators were installed for Compressor testing Shop Replacing 2 HP Exhaust fans.


Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

Agency that executed the project (with complete address and email):	
Total investment, Rs.:1.75	Year of implementation: 2006-07
First year energy cost savings, Rs.: 4.75	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure Overhead Compressed air grid lines in ACD Assembly Shop and TRM machine shop	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:

Earlier Compressed air grid lines in ACD assembly shop and TRM machine shop was underground. It was unable to Trace and control the leakages. With new overhead line it is easy to trace and control the Compressed air line leakages.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

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

Total investment, **Rs.: 9.25**

Year of implementation: 2006-07

First year energy cost savings, **Rs.: 7.26**

Energy tariff, Rs/ kWh

5.51

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ID to be filled by BEE	Title of the measure Biogas Plant from Canteen Food Waste	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:

Biogas plant from food waste of canteen is installed. This has helped in reducing LPG consumption in canteen for cooking.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

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

Total investment, **Rs.:0.1**

Year of implementation: 2006-07

First year energy cost savings, **Rs.: 1.4**

Energy tariff, Rs/ kWh

5.51

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ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Conversion from star to delta for under loaded motors	Technology

Description of the energy conservation measure:

A Motor loading survey was carried out and Under loaded motors in the plants were converted from Star to Delta, that resulted into reduced energy consumption

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification Not Available

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.: 3.04**

Energy tariff, Rs/ kWh

5.51

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ID to be filled by BEE	Title of the measure Leakages Control in Compressed Air System	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:

Compressed Air Line get Leak at places on time to time in operation, Leakage and capacity Test was carried out time to time for preventing Leakages. Resulting In Energy saving.

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	Not Available

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.: 0.073**

Energy tariff, Rs/ kWh

5.51

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ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Conversion from star to delta for 30 kW Turret lathe	Technology

Description of the energy conservation measure:

A machine motor loading survey was carried out and Under loaded motors in the plants were converted from Star to Delta for 30 kW Turret Lathe, that resulted into reduced energy consumption

Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification Not Available

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.: 3.84**

Energy tariff, Rs/ kWh

5.51

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ID to be filled by BEE	Title of the measure	Sector :Engineering
Year to be filled by BEE	Fanless Cooling Towers	Technology

Description of the energy conservation measure:
 After introducing fan-less cooling tower No fan motor Consumption This cooling tower is now working satisfactorily without affecting performance of Induction furnace


Picture/ sketch/ drawing before modification	Picture/ sketch/ drawing after modification Not Available
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Agency that executed the project (with complete address and email):	
Total investment, Rs.: 1.2 Lakhs	Year of implementation: 2006-07
First year energy cost savings, Rs.: 0.19 Lakhs	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure Renovations of office with CFL and Electronic Ballast	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:
Offices were renovated with CFL, Electronic ballast and T5 Lamps



Picture/ sketch/ drawing before modification (Not available)	Picture/ sketch/ drawing after modification
	

Agency that executed the project (with complete address and email):	
Total investment, Rs.: 3.22	Year of implementation: 2006-07
First year energy cost savings, Rs.: 17.68	
Energy tariff, Rs/ kWh	5.51
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ID to be filled by BEE	Title of the measure Replacement of 4 Nos. pneumatic grinders by Electrical grinder	Sector :Engineering
Year to be filled by BEE		Technology

Description of the energy conservation measure:

Energy In Efficient Pneumatic Grinders were replaced By Electrical Grinder on Trial basis, and Savings were Achieved, Planned for Organization wide implementation.

Picture/ sketch/ drawing before modification	Picture/ sketch/ drawing after modification
	

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

Total investment, **Rs.: 0.51**

Year of implementation: 2006-07

First year energy cost savings, **Rs.: 0.5**

Energy tariff, Rs/ kWh

5.51

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