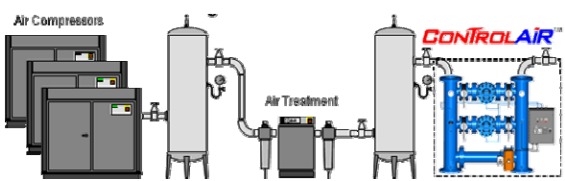
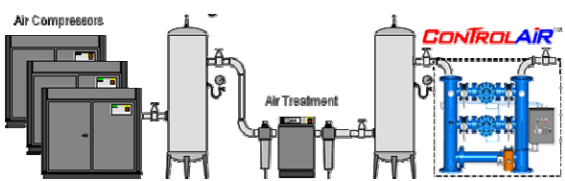






Energy Conservation Measure implemented in 2006-2007

	Title of the measure Energy Conservation using Control Air	Sector : Consumer Durables			
		Technology : Manufacturing			
Description of the energy conservation measure: Before Status : No control for Air pressure and setting is high at 8.2 Bar to maintain Pr of 6.0 bar at user end. So frequent Loading /Unloading & power consumption is high After Status: Compressor Power Consumption reduction by using Control Air to stabilize the supply of Constant air pressure and reduction and optimization of supply air at 6.5 Bar. Location: Compressor room					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
			Conserve air Purpose: To reduce energy consumption of air compressors	Air pressure load fluctuation controlling with Conserve air unit to save compressor Electricity consumption	15% saving in Electricity consumption
					
Agency that executed the project (with complete address and email): Equipment Supplied from Godrej					
Total investment, Rs.: 6.43 Lacs			Year of implementation: 2006~07		
First year energy cost savings, Rs.: 6.85 Lacs					
First year other savings, Rs.: Loss due to air leakage at High Pressure					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	964				
Energy consumption after	819				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00				
Company complete address: LG Electronics India Pvt Ltd Plot No A-5 , MIDC Ranjangaon, Tal Shirur Pune-412 220 Tel 02138 661139, Fax no -02138 232480 Contact person who could be contacted for more information: Mr Ashok Bhat / Mr Ganesh Sanga 9823318937 / 9823318948				We authorise Bureau to use this information for dissemination Signature Date 10.10.2007	


Energy Conservation Measure implemented in 2006-2007

	Title of the measure N2 Air Exhaust Control modification	Sector : Consumer Durables			
		Technology : Manufacturing			
Description of the energy conservation measure: Before Status : No control for N2 Air exhaust after required N2 Pr achieved to 6.0 Bar in receiver so wastage of compressed air increase in power consumption After Status: Provided a valve in N2 inlet air line to shut off valve when reqd N2 pressure is reached so excess loading of Air compressor reduced and power is saved Location : Utility area compressor room					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
No any control for inlet air Pressure			Provided Additional Valve at inlet which closes after the Out let pressure of Receiver is 6Kg/Cm2 		
Agency that executed the project (with complete address and email): Equipment Supplied from Gemu Valve					
Total investment, Rs.: 0.35 Lacs			Year of implementation: 2006~07		
First year energy cost savings, Rs.: 0.74 Lacs					
First year other savings, Rs.: Loss of High Pressure air					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	964				
Energy consumption after	948.4				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00				
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Energy Conservation Measure implemented in 2006-2007

	Title of the measure VFD for Hot water Generator Circulation Pump	Sector : Consumer Durables
		Technology : Manufacturing
Description of the energy conservation measure: Before Status : Excess pressure due to use of High Head pump in Hot water circulation After Status: Control of Pump speed & pressure of Circulation Pump with a VFD for Pump motor Location : Hot water generator room		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
Throttling the valve of circulation system to control the System Pressure	The circulation pump connected through VFD Panel to reduce energy consumption by changing the Running Frequency to 43 Hz , Now Temp 80 °C & Pr 5.6 Kg/cm ² . Motor running current is now 16 Amps	
		
Agency that executed the project (with complete address and email): Equipment Supplied from Control tech		
Total investment, Rs.: 1.46 Lacs		Year of implementation: 2006~07
First year energy cost savings, Rs.: 2.22 Lacs		
First year other savings, Rs.: Reduction in Maximum Demand & Pump maintenance		
On annual basis	kWh 000'	Coal (Tons)
Energy consumption before	171.6	
Energy consumption after	124.8	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00	
Company complete address: LG Electronics India Pvt Ltd Plot No A-5 , MIDC Ranjangaon, Tal Shirur Pune-412 220 Tel 02138 661139, Fax no -02138 232480 Contact person who could be contacted for more information: Mr Ashok Bhat / Mr Ganesh Sanga 9823318937 / 9823318948		We authorise Bureau to use this information for dissemination Signature Date 10.10.2007


Energy Conservation Measure implemented in 2006-2007

	Title of the measure VFD for Trimming Press 1	Sector : Consumer Durables			
		Technology : Manufacturing			
Description of the energy conservation measure: Before Status : No VFD for Main pump of Press Hydraulic system After Status: Reduction in Frequency during Job Loading & unloading in the Press to save Energy and reduce maximum demand Location : Refrigerator Line M/c					
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification			
No any VFD for control of speed for Main 45 Kw Hydraulic pump motor		The power pack Main motor is controlled through VFD in trimming presses and speed reduction during load / unload operation 			
Agency that executed the project (with complete address and email): Equipment Supplied from Control tech					
Total investment, Rs.: 2.64 Lacs			Year of implementation: 2006~07		
First year energy cost savings, Rs.: 0.44 Lacs					
First year other savings, Rs.: Reduction of Maximum Demand					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	93.6				
Energy consumption after	84.24				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00				
Company complete address: LG Electronics India Pvt Ltd Plot No A-5 , MIDC Ranjangaon, Tal Shirur Pune-412 220 Tel 02138 661139, Fax no -02138 232480 Contact person who could be contacted for more information: Mr Ashok Bhat / Mr Ganesh Sanga 9823318937 / 9823318948				We authorise Bureau to use this information for dissemination Signature Date 10.10.2007	



Energy Conservation Measure implemented in 2006-2007

	Title of the measure VFD panel for Cooling tower Pumps	Sector : Consumer Durables			
		Technology : Manufacturing			
Description of the energy conservation measure: Before Status : Excess pressure due to use of High Head pump in water circulation & no control for temp feedback After Status: Provided temp feedback Pump and Fan operation optimization for cooling tower pumps and fans Location : Ref line Cooling towers					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
No any control , all pumps are working on DOL system	The Cooling tower pumps & fans are running with VFD and auto temp control feedback system 				
Agency that executed the project (with complete address and email): Equipment Supplied from Control Tech					
Total investment, Rs.: 5.52 Lacs		Year of implementation: 2006~07			
First year energy cost savings, Rs.: 2.22 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	312				
Energy consumption after	265.2				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00				
Company complete address: LG Electronics India Pvt Ltd Plot No A-5 , MIDC Ranjangaon, Tal Shirur Pune-412 220 Tel 02138 661139, Fax no -02138 232480 Contact person who could be contacted for more information: Mr Ashok Bhat / Mr Ganesh Sanga 9823318937 / 9823318948				We authorise Bureau to use this information for dissemination Signature Date 10.10.2007	

Energy Conservation Measure implemented in 2006-2007

	Title of the measure Lighting Control Transformer	Sector : Consumer Durables			
		Technology : Manufacturing			
Description of the energy conservation measure: Before Status : Lighting Load require 230 V for better performance After Status: Provided a 150 KVA Lighting control Transformer for only Lighting Load in A Plant. Location : A building Sub station 1					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
No any Control for Lighting Load			Lighting load need only 230 V supply for best performance. The Utility supply is always 240V, hence this 10V is a loss. This system steps down the voltage to the required Voltage <div style="text-align: center;">  </div>		
Agency that executed the project (with complete address and email): Equipment Supplied from ES Electronics Bangalore					
Total investment, Rs.: 3.69 Lacs			Year of implementation: 2006~07		
First year energy cost savings, Rs.: 4.40 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	465				
Energy consumption after	372				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00				
Company complete address: LG Electronics India Pvt Ltd Plot No A-5 , MIDC Ranjangaon, Tal Shirur Pune-412 220 Tel 02138 661139, Fax no -02138 232480 Contact person who could be contacted for more information: Mr Ashok Bhat / Mr Ganesh Sanga 9823318937 / 9823318948				We authorise Bureau to use this information for dissemination Signature Date 10.10.2007	

Energy Conservation Measure implemented in 2006-2007

	Title of the measure Cooling Tower Al. Fan Blade replace by FRP/Plastic Blades	Sector : Consumer Durables			
		Technology : Manufacturing			
Description of the energy conservation measure: Before Status : Cooling towers having Cast Aluminum Fan Blades After Status: Replaced the Blades by FRP/ Plastic Light Weight blades to reduce motor consumption					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Al fan blades in Cooling Towers 			Plastic Fan blades in all Cooling towers 		
Agency that executed the project (with complete address and email):Eureka Aurangabad					
Total investment, Rs.: 1.95 Lacs			Year of implementation: 2006~07		
First year energy cost savings, Rs.:5.55 Lacs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	468				
Energy consumption after	351				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.00				
Company complete address: LG Electronics India Pvt Ltd Plot No A-5 , MIDC Ranjangaon, Tal Shirur Pune-412 220 Tel 02138 661139, Fax no -02138 232480 Contact person who could be contacted for more information: Mr Ashok Bhat / Mr Ganesh Sanga 9823318937 / 9823318948				We authorise Bureau to use this information for dissemination Signature Date 10.10.2007	