




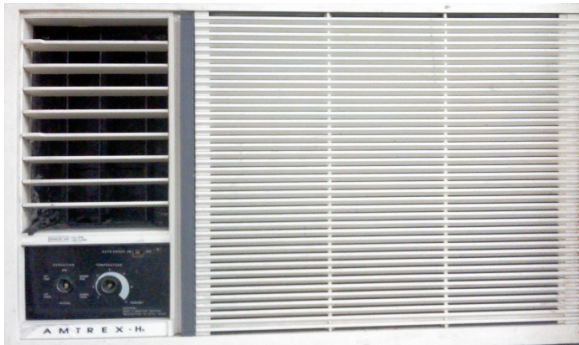

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Internal Lighting		Sector Office Building		
Year to be filled by BEE			Technology Electronics Ballast with high efficiency halo phosphate lamp		
<p>Description of the energy conservation measure: Electronic ballast mirror optic fittings of high efficiency halo phosphate 1x36 W Fluorescent lamps (3250 Lumens) have been installed in replacement of 2x40 Watts Box/ mirror optics type fittings with copper ballasts. Its cross louvers are electromechanically brighten and parabolic in shape to increase the lamp shielding and reduce direct & reflected glare. The electronic ballast is flicker free preheat (rapid) lamp start type having p.f. not less than 0.98 and total harmonic distortion is less than 10%. The ballast operates on more than 50kHz, over-voltage protection up to 290± 10V and complies to IEC 928, 928, EN55015 & IEC 1000-3-2. The fitting is tailor made C-DOT/ DOT by M/s Philips Electronics India Ltd., Kolkatta</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 18.54 lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 8.76 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	299				
Energy consumption after	100				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 4.40				
Company complete address: M/s Philips Electronics India Limited 7, Justice Chandra Madhab Road, Kolkata 700 020				We authorise Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:					


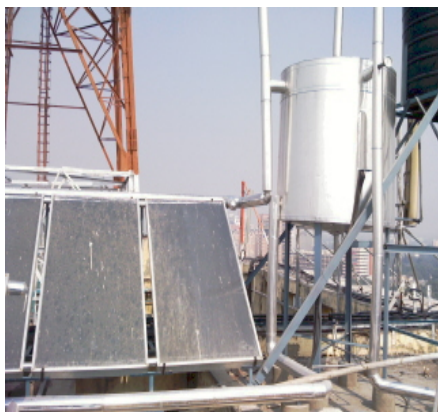
Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Optical Sensor			Sector Office Building		
Year to be filled by BEE				Technology Detection	Presence	
<p>Description of the energy conservation measure:</p> <p>Optical sensors having the following technical features have been installed. These detectors work on passive infrared detection technique and are ceiling mounted.</p> <ol style="list-style-type: none"> 1. These sensors operate on square detection pattern not circular pattern and hence provide better coverage of rooms and offices. 2. It's high sensitivity insures detection of presence of seated persons inside the room. 3. Provision of separate relay for lighting/ Lux level and AC control. 4. Provision of adjustable time delay for switching ON & OFF of lighting & AC as per requirement. 5. Suitable for controlling fluorescent/ halogen & incandescent lights. <p>Using occupancy sensors (presence detection) substantial saving of the order of 25% to 30% have been achieved in officer's rooms by switching OFF light & window/ split AC during un-occupied period.</p>						
Picture/ sketch/ drawing before modification (if available)				Picture/ sketch/ drawing after modification		
Not Applicable						
Agency that executed the project (with complete address and email): M/s Jaipur Electric Company						
Total investment, Rs.: Rs. 8.75 lakhs				Year of implementation: 2006-07		
First year energy cost savings, Rs.: Rs. 5.10 Lakhs						
First year other savings, Rs.:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	467					
Energy consumption after	350					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 4.4					
Company complete address: Sh. Sanjiv Tandon M/s Jaipur Electric Company 16, Daryaganj, New Delhi - 110002				We authorise Bureau to use this information for dissemination Signature Date		
Contact person who could be contacted for more information:						

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Remote Control		Sector Office Building		
Year to be filled by BEE			Technology Digital Thermostatic control		
Description of the energy conservation measure: Digital remote controls have been provided in Window AC units in officer's room to switch off the compressor in case the desired indoor temperature is attained.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): M/s ESSAR SYSTEMS (INDIA)					
Total investment, Rs.: 0.5 lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 0.70 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	64.6				
Energy consumption after	48.5				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 4.40				
Company complete address: Sh. R.K. Aggarwal, M/s ESSAR SYSTEMS (INDIA), 203, Chanakya Complex, Subhash Chowk, Laxmai Nagar, New Delhi-110092 Contact person who could be contacted for more information:				We authorise Bureau to use this information for dissemination Signature Date	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Solar water Heater	Sector Office Building			
Year to be filled by BEE		Technology energy	Renewable		
Description of the energy conservation measure:					
<p>For Sanchar Bhawan building approximately 1500 ltrs of hot water is required for various canteens functioning in the building. The hot water demand was met through boilers/ geysers operating during office hours.</p> <p>1500 LPD capacity solar water heater has been installed in replacement of electric geysers/ boilers. The system is thermo-siphon type fitted with heat exchanger and 22 collectors giving the output temperature of 80°C. Each collector individually is of 100 LPD capacities.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): M/s Bright Solar					
Total investment, Rs.: 5.75 lakhs			Year of implementation: 2006-07		
First year energy cost savings, Rs.: 2.29 lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	52				
Energy consumption after	0				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	Rs. 4.40				
Company complete address:				We authorise Bureau to use this information for dissemination	
Sh. Thomas Kurien, M/s Bright Solar Energy, T-868, Faiz Road, Opposite Jain Co-op Bank, Karol Bagh, New Delhi – 110005.				Signature	
Contact person who could be contacted for more information:				Date	