
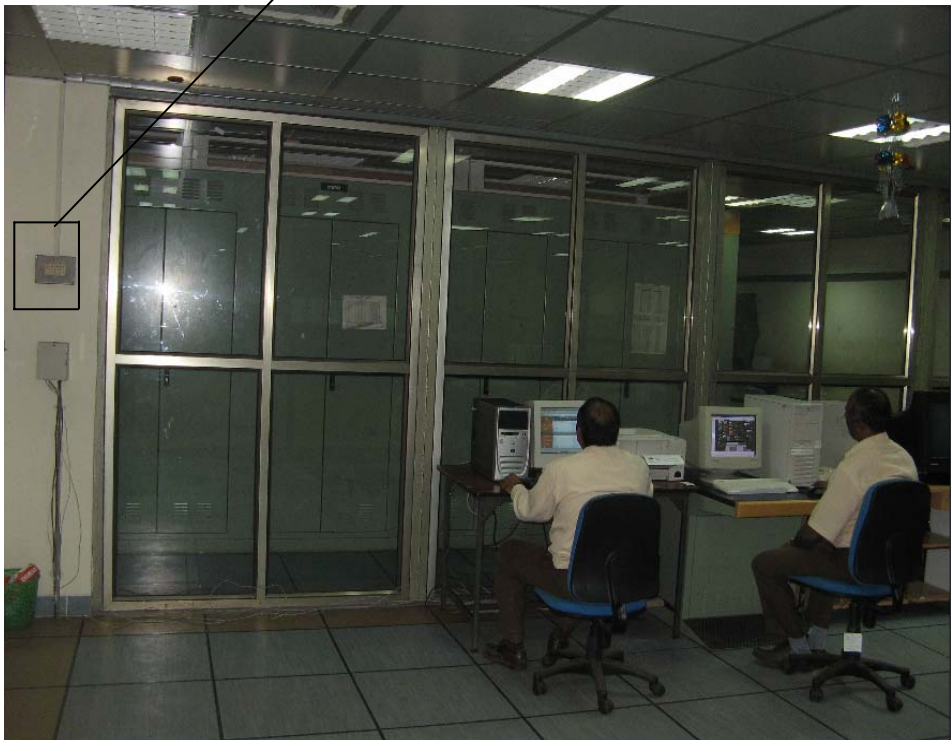


Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector Power Generation
Year to be filled by BEE	<u>Keeping only one CGR fan in service</u>	Technology :Process Analysis
<p>Description of the energy conservation measure:</p> <p>Cold Recirculation Fans are used to control mill outlet temperature. This cold gas is supplied through cold gas nozzles inside the furnace to contain the furnace outlet temperature within limit. It also serves the purpose of sealing of Pulverized fuel burners and Resuction ducts. Earlier Two fans were running to meet out the above requirement. Study conducted reveals that it is enough to keep one fan in service for the above requirement. Now only one fan is kept in service. It saves energy as well prevents wear and tear.</p> <p>ANNUAL ENERGY SAVING - <u>11,54,000 Kwh</u></p> <p>INVESTMENT - NIL</p>		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
	<p style="text-align: center;"><u>STOPPING OF COLD RECIRCULATION FAN MOTOR</u></p> <div style="text-align: center;">  </div> <p style="text-align: center;">COLD GAS RECIRCULATION FAN MOTOR</p>	
Agency that executed the project (with complete address and email):By NLC Employees		
Total investment, Rs.: NIL	Year of implementation: 2006-07	


First year energy cost savings, <u>Rs.: 2,481,100</u>					
First year other savings, <u>Rs.: 2,481,100</u>					
On annual basis	KWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	2308000				
Energy consumption after	1154000				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
<p>Company complete address: GENERAL MANAGER TPS – I EXPN, N.L.C, NEYVELI - 7</p> <p>Contact person who could be contacted for more information: ENERGY MANAGER, TPS –I EXPN, N.L.C</p>				<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date</p>	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure <u>Regrouping of Lights and providing common control switch</u>	Sector: - Power Generation
Year to be filled by BEE		Technology:
Description of the energy conservation measure: <p style="text-align: center;">In Unit-II C&I Engineering station 20Nos 4x20W Tube lights were burning continuously. Suitable modification in lighting circuits is carried out to provide common control switch. It will facilitate to switch ON/OFF lights whenever required.</p> <p>ANNUAL ENERGY SAVING - <u>7008 Kwh</u></p> <p>INVESTMENT - <u>Rs.2000</u></p>		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification	
	<p style="text-align: center;"><u>REGROUPING AND PROVIDING COMMON CONTROL IN LIGHTING SYSTEM</u></p> <p style="text-align: center;">COMMON CONTROL SWITCH</p>  <p style="text-align: center;">ENGINEERING STATION</p>	
Agency that executed the project (with complete address and email): By N.LC Employees		
Total investment, Rs.: 2,000	Year of implementation: 2006-07	

First year energy cost savings, <u>Rs 13067.2</u>					
First year other savings, <u>Rs 13067.2</u>					
On annual basis	KWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before					
Energy consumption after					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...					
<p>Company complete address: GENERAL MANAGER TPS – I EXPN, N.L.C, NEYVELI - 7</p> <p>Contact person who could be contacted for more information: ENERGY MANAGER, TPS –I EXPN, N.L.C</p>				<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date</p>	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure	Sector Power Generation
Year to be filled by BEE	Installation of Variable frequency drive	Technology : Variable frequency Drive
<p>Description of the energy conservation measure:</p> <p>Micro processor based Variable frequency Variable Voltage drive system is installed in Service Building elevator .It replaces conventional drive resulting considerable saving in energy as well reliable and smooth operation.</p> <p>ANNUAL ENERGY SAVING - 32,850 Kwh</p> <p>INVESTMENT - Rs.78,000</p>		
Picture/ sketch/ drawing before modification <small>(if available)</small>	Picture/ sketch/ drawing after modification	
	<p><u>INSTALLATION OF VARIABLE FREQUENCY DRIVE</u></p> <p style="text-align: center;">↑ VFD CONTROL PANEL</p>  <p style="text-align: center;">VARIABLE FREQUENCY DRIVE</p>	
Agency that executed the project (with complete address and email):		
Total investment, Rs.: 2,000	Year of implementation: 2006-07	