




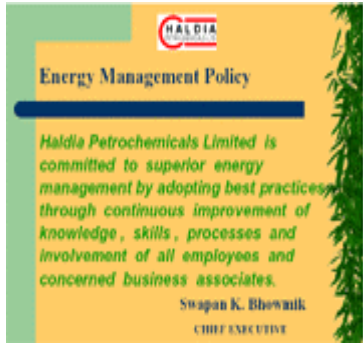



## Status of National Campaign on Energy Conservation 2005


**Month: April 2005** (status as on May 31, 2005)

### Industrial Sector (Private and PSUs):


Sl. No.	Activity as per the National Campaign on Energy Conservation	Status	Brief summary on the activity	Remarks / follow up
1.	Training course for Energy Managers & Energy Auditors at Chennai by National Productivity Council.	Completed	<p>NPC conducted a Training course for Energy Managers &amp; Energy Auditors at Chennai between 4<sup>th</sup> - 7<sup>th</sup> April 2005.</p> <p>The following topics were covered in the programme.</p> <ol style="list-style-type: none"> <li>1. General Aspects of Energy Management and Energy Audit</li> <li>2. Energy Efficiency in Thermal Utilities</li> <li>3. Energy Efficiency in Electrical Utilities</li> <li>4. Energy Performance Assessment for Equipment and Utility Systems</li> </ol> <p>Similar programmes were also carried out at Bangalore, Mumbai and New Delhi. In total 177 energy professionals participated in these capacity building programmes on energy conservation.</p>	 <p style="text-align: center;"><i>Dr Ambedkar Institute of Productivity</i> NATIONAL PRODUCTIVITY COUNCIL</p>
2.	<p>Sharing Best Practices on Energy Conservation with Vendors - Organised by Tata Motors Ltd., Pune.</p> <p>Workshop on Energy Conservation for Non-Technical officers – Organized by Hindustan Paper Corporation Ltd, Assam.</p>	Completed	<p>The activity was slightly modified and instead M/s Hindustan Paper Corporation Ltd, Assam was requested to undertake a workshop on “Energy Conservation”.</p> <p>The workshop on Energy Conservation for Non-Technical officers was conducted on 30<sup>th</sup> April 2005. During the workshop the topics such as various forms/classification of energy- Primary &amp; Secondary energy; Commercial &amp; Non-commercial energy; Renewable &amp; Non-renewable energy; Energy reserve; Global energy conservation; Effect of</p>	



			<p>burning fossil fuel; Energy Conservation etc. were discussed.</p> <p>The programme was attended by 16 officers of various non-technical departments and rated quite beneficial to work &amp; self-development.</p>	
3.	<p>Training programme on process heat recovery distillation – Activity organised by Gharda Chemicals Limited, Lote Parshuram, Maharashtra.</p>	Completed	<p>An in-house awareness programme was conducted on process heat recovery. Engineers from M/s. Thermax India Ltd. visited the factory and interacted with the company engineers. The conducted programme may lead to recovery of waste heat which may be utilized in generating 100 tons of refrigeration capacity.</p>	


4.	<p>Awareness lectures to employees – Organised by IOCL, Gujarat Refinery, Vadodara.</p> <p>Establish system for monitoring of high energy consuming motors – Activity managed by Haldia Petrochemicals Ltd., Kolkata</p>	Completed	<p>The activity was slightly modified and instead M/s Haldia Petrochemicals Ltd., Kolkata was requested to undertake awareness programme on “Energy Conservation”.</p> <p>Following energy related activities were carried out by Haldia Petrochemicals during the month of April 2005.</p> <p>Capacity building of Energy managers of the company taken through their participation in a training program organised by NPC in April 2005.</p>	
5.	<p>Debate competition among employees on Role of society in energy conservation – Organised by ITI Limited, Manakapur, (U.P.).</p>	Completed	<p>A debate competition among employees on the Role of society in energy conservation was conducted on 28<sup>th</sup> April 2005 at HRD Auditorium. 15 no. of employees participated in the debate.</p>	
6.	<p>Seminar on Energy Conservation-Activity managed by Karnataka Renewable Energy Development Ltd, Karnataka</p>	New Activity Completed	<p>A seminar on Energy Conservation was organized on 18<sup>th</sup> April at Mysore in which five major firms dealing with several aspects of Energy Conservation participated. Salient features of energy efficient products were explained and exhibited.</p> <p>Also to propagate Energy Conservation message at large scale, kannada version book of BEACON (Originally brought out by BEE) and pamphlets were distributed through newspapers.</p>	
7.	<p>Energy Conservation opportunities including use of renewable energy options – Activity managed by Central Power Research Institute, Bangalore</p>	New Activity Completed	<p>CPRI has created awareness on Energy Conservation among its employees which finally helped in implementation of projects on lighting system.</p> <p>The consumption of power is reduced by about 1.1 kW and the energy savings are being monitored at regular intervals.</p>	

8.	In-house Energy awareness programme for employees-Activity managed by LG Polymers Pvt.Ltd, Visakhapatnam.	Backlog activity completed	<p>The following were covered as the part of the program.</p> <ol style="list-style-type: none"> <li>1. An Energy policy document was signed by M.D &amp; CEO and a Energy committee formed.</li> <li>2. A review meeting on energy reduction targets was held with Director (O) on 13<sup>th</sup> April 2005.</li> <li>3. New targets for further reduction of energy were set and fresh proposals were discussed.</li> </ol>	
9.	Training program on Harmonic Analysis – organized by Kesoram Rayon, Hoogly, West Bengal.	New Activity Completed	A training program on Harmonic Analysis has been conducted by Kesoram Rayon also a seminar on Steam Traps – Design and Application was organized for the benefit of employees.	
10.	Workshop on energy conservation through energy efficient products – Organised by Indian Electrical and Electronics Manufacturers Association, Mumbai	Backlog activity of January 2005	The planned activity has been postponed.	

**Commercial Sector (Private and Government Buildings):**

Sl. No.	Activity as per the National Campaign on Energy Conservation	Status	Brief summary on the activity	Remarks / follow up
11.	Creating awareness through insertion of advertisements in print media on Tips to save electricity – Activity managed by NHPC.	Completed	<p>National Hydroelectric Power Corporation Ltd. (NHPC) undertook the following activities:</p> <ol style="list-style-type: none"> <li>1. Training Programmes was organized at Corporate Office as well as at Power Stations/units.</li> <li>2. Posters on “Tips to Save Energy” were printed and displayed in the Corporate Office, Power Stations, Projects and Units.</li> <li>3. Message of energy conservation was printed on the last cover page of NHPC News.</li> <li>4. An advertisement on Energy Conservation was published in various newspapers in English, Hindi and other language newspapers.</li> <li>5. Energy conservation Slogan was used on Tender Advertisements, Letter Head &amp; D.O.Pads etc.</li> </ol>	
12.	In-house Awareness training to be conducted for kitchen & laundry staff for better managing of energy – Organised by Taj Hari Mahal, Jodhpur (Rajasthan).	Completed	<p>A training was conducted for the kitchen and laundry staff to increase awareness on energy conservation which was attended by 25 kitchen staff including Executive Chef, Chef the party &amp; commies and 8 laundry staff including Executive Housekeeper, laundry supervisor and operating staff on 14<sup>th</sup> April 2005. The training was very useful, interactive and informative for the participants.</p> <p>Various method to control wastage of heat, electricity, water &amp; HSD were discussed and tips on the following were distributed:</p> <ol style="list-style-type: none"> <li>1. Usage of proper temperature for different cooking</li> <li>2. Usage of thermostat for regulating cooking temperature</li> </ol>	

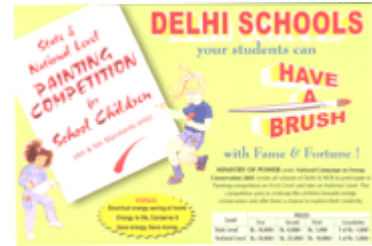

			<p>3. Usage of required size of bowl for cooking and not the over size</p> <p>4. To operate the washing machine &amp; dryer with appropriate load</p> <p>5. Cleaning of lint's at a regular intervals</p> <p>6. To switch off lights &amp; exhaust fan when not required etc.</p>	
13.	<p>In-house Seminar on Solar Energy – Organised by Gateway Riverview, Dhamandivi, Ratnagiri, Maharashtra.</p> <p>Energy Conservation, Monitoring, Survey &amp; Auditing programme for Senior Executives – Organized by Bharat Sanchar Nigam Limited, Ghaziabad</p>	Completed	<p>The activity was slightly modified and instead Bharat Sanchar Nigam Limited, Ghaziabad was requested to undertake Energy Conservation, Monitoring, Survey &amp; Auditing programme for its Senior Executives.</p> <p>Bharat Sanchar Nigam Limited (BSNL) organized a 5 days programme for their Senior Executives during the period (11<sup>th</sup> April 2005 to 15<sup>th</sup> April 2005) at ALTTC, Ghaziabad (Uttar Pradesh)</p> <p>The programme was attended by about 50 senior executives from all over the circles in India. The programme was instrumental in spreading the awareness as well as capacity building on energy conservation.</p>	
14.	<p>Workshop on energy efficient lighting at Delhi – Organised by Indian Electrical &amp; Electronics Manufacturers Association, Mumbai.</p>	Completed	<p>IEEMA Lighting Division organised a workshop on “Energy Lighting Products” on 25<sup>th</sup> April 2005 at Hotel Le Meridian, New Delhi. The workshop supported by Ministry of Power and was jointly organised with Bureau of Energy Efficiency for the benefit of CPWD engineers.</p> <p>Some of the major lighting industries including Asian Electronics, Binary Opto, Indo Asian, Havells India, Ammini Energy Systems participated in the workshop and presented papers on different products and technologies. A presentation was also made by BEE. Presentations from Industry were</p>	




			<p>focused on LEDs, ESCO performance contracting, Energy Efficient Street Lighting, Social Lighting and Energy Efficient CFLs.</p> <p>The workshop was attended by around 90 delegates, mainly from the CPWD and Lighting Industry.</p>	
15.	Creating awareness through print media on Tips to save electricity – Activity managed by POWER GRID.	New Activity Completed	<p>Power Grid Corporation of India Limited undertook the following activities:</p> <p>07 no. tender notice advertisements were released by Power Grid during March 2005. All these advertisements had baseline promoting 'Energy Conservation'. These advertisements were released in 15 national and regional newspapers covering the length and breadth of the nation.</p> <p>04 no. goodwill advertisements propagating the message of Energy Conservation were released in various publications.</p>	



## Domestic Sector


Sl. No.	Activity as per the National Campaign on Energy Conservation	Status	Brief summary on the activity	Remarks / follow up
16.	Creating awareness through print media on Tips to save electricity – Activity managed by NHPC.	Completed	<p>National Hydroelectric Power Corporation Ltd. (NHPC) undertook the following activities:</p> <ol style="list-style-type: none"> <li>1. Training Programmes was organized at Corporate Office as well as Power Stations/units.</li> <li>2. Posters on “Tips to Save Energy” were printed and displayed in the Corporate Office, Power Stations, Projects and Units.</li> <li>3. Message of energy conservation was printed on the last cover of NHPC News.</li> <li>4. An advertisement on Energy Conservation was published in various newspapers in English, Hindi and other language newspapers.</li> <li>5. Energy conservation Slogan was used on Tender Advertisements, Letter Head &amp; D.O.Pads etc.</li> </ol>	
17.	Distribution of pamphlets for economical usage of energy in residences and guest house – Activity organised by Indian Rayon & Industries Limited, Veraval, Gujarat.	Completed	<p>An awareness programme on Energy Conservation was conducted among colony residents as well as the local residents by distributing pamphlets regarding Energy Conservation. Around 2000 pamphlets in English and local language (Gujarati) were distributed and personal awareness was also created among the people of Veraval.</p>	

## Educational Institutions

Sl. No.	Activity as per the National Campaign on Energy Conservation	Status	Brief summary on the activity	Remarks / follow up
18.	Painting competition for school children (State level) in 33 capital cities – Event organised jointly by Ministry of Power, NTPC, NHPC, POWER GRID, PTC, NEEPCO.	Activity under progress  (Long term activity spread over 9 months time period)	<p>Ministry of Power has finalised the scheme of conducting painting competition for school children at School, State and National level and activities are being initiated from August 2005.</p> <p>The painting competition for standard IVth &amp; Vth students aims to motivate the children towards energy conservation and offer them a chance to explore their creativity. In the modified scheme the competition will now be open to fourth and fifth standard students of all states and Union Territories. The competition is proposed to be launched with the support of CPSUs under Ministry of Power and Bureau of Energy Efficiency. For the State level painting competition 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 5 consolation prizes are proposed to be given. 1<sup>st</sup> and 2<sup>nd</sup> winners of State level painting competition will be invited to Delhi to participate in the National Painting Competition. National level winners will be awarded by the Chief Guest on National Energy Conservation Day function organised by Ministry of Power on 14<sup>th</sup> December 2005.</p>	 <p>The poster is titled 'DELHI SCHOOLS your students can HAVE A BRUSH with Fame &amp; Fortune!'. It features a cartoon character holding a paintbrush and a palette. Text on the poster includes 'State &amp; National Level PAINTING COMPETITION for School Children with a lot of Prizes'. It also lists the organizing institutions: Ministry of Power, Bureau of Energy Efficiency, NTPC, NHPC, Power Grid, PTC, and NEEPCO.</p>
19.	Quiz Competition for High School Students – Activity managed by The India Iron and Steel Company Limited, Burnpur (West Bengal).	Completed	<p>The activity was slightly modified and as a part of the campaign process following were displayed in local cable network for the benefit of all concerned;</p> <p>“Switch off the lights, fans, coolers, TV and Air Conditioners when not in use and close the water taps after use - Save Energy, IISCO, Burnpur”.</p>	 <p>The logo for IISCO (India Iron and Steel Company Limited) features the word 'iisco' in a stylized, blue, 3D font with a red outline, set against a background of a textured, orange-brown diamond shape.</p>

20.	Workshop for students at Ahmedabad and Gandhinagar - Activity managed by Gujarat Alkalies and Chemicals Limited.	Completed	Energy Conservation awareness program was conducted on 4 <sup>th</sup> April 2005 at Government Polytechnic, Ahmedabad for the students of Electrical Engineering and Instrumentation Control Engg. of diploma courses. About 60 students attended the programme.	
21.	Visit of school children in industrial units in order to assist them in appreciating the efficient utilization of energy – Organised by GAIL (India) Ltd., Auraiya, (Uttar Pradesh).	New Activity Completed	<p>Visits of school children of X/XI/XII of St. Joseph's Sr. Secondary School (NTPC), Kendriya Vidyalaya (NTPC), GAIL DAV school, Gail Gaon were organized between 11-15<sup>th</sup> April 2005. Around 138 students of all the three schools participated in the visit.</p> <p>The following activities were covered during the visit:</p> <ol style="list-style-type: none"> <li>1. Introduction to Campaign highlighting importance of Energy Conservation.</li> <li>2. Interaction/Presentation about process, energy conservation measures and areas where the energy conservation equipments/devices are installed in the plant.</li> <li>3. Students were explained about the various devices saving energy installed in the plant such as:</li> </ol> <p>Heat Recovery &amp; Steam Generation (HRSG) Proposed Flare Gas Recovery system site Variable Speed Drive (VSD) systems &amp; Expander-Compressor systems.</p>	  

22.	Visit of school children in industrial units in order to assist them in appreciating the efficient utilization of energy – Organised by Hindustan Paper Corporation Limited, Assam	New Activity Completed	<p>An interactive meeting and plant visit of 25 students of class X &amp; XII of Kendriya Vidyalaya, HPCL, Jagiroad, Dist. Morigaon was organised on 23<sup>rd</sup> April 2005.</p> <p>Students were explained about the various devices saving energy installed in the plant.</p>	
23.	Visit of school children in industrial units in order to assist them in appreciating the efficient utilization of energy – Organised by India Polyfibres Limited, Barabanki, (Uttar Pradesh).	New Activity Completed	<p>A plant visit followed by a presentation for school and college students from district Lucknow and Barabanki was organised on 11<sup>th</sup> April 2005. Around 20 students from different schools and colleges participated, the students were explained about the different stages of production, activities of Quality Control and Utilities and was also shown with a emphasis on energy efficient devices.</p> <p>After the visit, a presentation on “Energy Conservation” was given in which following topics were covered:</p> <ol style="list-style-type: none"> <li>1. Different forms of Energy.</li> <li>2. Global and Indian Energy Scenario.</li> <li>3. Energy and Environment – Pollutants, Global Warming, Acid rain.</li> <li>4. Energy Usage in Industry.</li> <li>5. Different Energy losses and ways to minimized.</li> <li>6. Tips on House Hold Energy Conservation.</li> </ol>	

24.	Awareness campaign on Energy Conservation among School Children - Organised by ITI Limited, Manakapur, (Uttar Pradesh).	New Activity Completed	<p>A factory visit of school students of EC projects carried out on 28<sup>th</sup> April 2005.</p> <p>Valuable thoughts regarding Role of society in Energy Conservation were delivered. On the occasion nos. of students, Management officers, evaluation committee members and members of EC Cell were present.</p>	
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