

UPSavesEnergy News Letter

UPSDA's Energy Efficiency endeavors towards achieving a Net Zero status for Uttar Pradesh

Quarterly Newsletter

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Background

Uttar Pradesh New and Renewable Development Agency (UPNEDA) under the provisions of the Energy Conservation Act-2001, have been nominated as State Designated Agency to coordinate, regulate and enforce the provision of the Energy Conservation Act-2001 and implement schemes under the said Act within the State of Uttar Pradesh. UPNEDA is working as UPSDA since July 2015.

Uttar Pradesh is recognized as the growth engine of India and contributes substantially in the economy of the country. The economy of Uttar Pradesh is growing at a fast rate. Industrial development is also growing fast resulting in a rapid increase in energy consumption. An increase in industrial

activities and increasing building infrastructure will result in increasing energy consumption. To meet the growing demand for electricity either we have to install new power plants or use energy efficiency measures and focus on the use of renewable energy.



Vision :

To make a long-term commitment to energy efficiency and conservation through harnessing the vast energy saving potential in Uttar Pradesh by exploring all possible pathways for minimizing overall carbon footprints.



Mission :

The mission of the UPNEDA as State Designated Agency is to assist in developing policies and strategies with a thrust on self-regulation and market principles, within the overall framework of the Energy Conservation Act, 2001 with the primary objective of reducing energy intensity of the Indian Economy

Significant Energy Efficiency Programs in Uttar Pradesh

UPNEDA have started various capacity building programs to encourage energy conservation in various sectors. Some of the capacity building programs organized during July 2022 to September 2022 i.e., 2nd quarter of the year 2022-23 are:

Agricultural Sector:

In Agriculture sector UPSDA have organized many programs on energy efficiency. During 1st Quarter of 2022-23 UPSDA conducted 40 agricultural workshops for farmers in various Krishi Vigyan Kendra and during 2nd quarter total 46 programs are organized covering all the 86 Krishi Vigyan Kendra of Uttar Pradesh. During this workshop, the instructor provided valuable insights into the utilization of 5-star rated irrigation pumps and energy-efficient electrical appliances, including LED bulbs and BLDC fans. The workshop also covered the efficient utilization of diesel pumps, tractors, and motor pumps to conserve energy.



Workshop at "Krishi Vigyan Kendra, Ambedkar Nagar

Students Capacity Building:

Student capacity building programs are organized in all the 746 Kasturba Gandhi Balika Vidyalaya



Student Capacity Building Programme in different Schools

of Uttar Pradesh. During 2nd quarter (July 2022 – September 2022) 223 training programs are organized. One school is demolished hence Energy Conservation Programs are organized in all the remaining 745 KGBV of Uttar Pradesh.

Workshop MSME:

Total 4 Workshops were planned for various MSME clusters through Green Tree Global with assistance of UNESCO. During 2nd quarter three workshop are organized. Ist Workshop Organized at Khurja on 17th July 2022. 2nd and 3rd workshops were organized at Agra (glass sector, foundries and other MSME industries) and Moradabad (Foundries and Brass wares) on 17 August 2022 and 3 September 2022 Respectively. Next workshop is planned for mixed sector in Lucknow.

Webinar (PAT Cell) Capacity Building of Designated Consumer:

UPSDA organized a series of webinars for designated consumers of Uttar Pradesh. In the continuity of this, 1st webinar was organized on 25th August 2022 for Thermal Power Plant. The objectives of this workshop were to create awareness among the designated consumers about the PAT Schemes, various timelines, Normalization, Issuance of ES Certs, Enforcement of the PAT Scheme, and Showcase the best practices taken by them.



Webinar by PAT Cell

Building Energy Efficiency:

EEB Cell is established by BEE at UPSDA. Role of EEB Cell is Monitoring of implementation of UPECBC-2018, Technical support in the implementation of UPECBC to govt. stakeholder departments through demonstration building projects, organize training to govt. and private stakeholders regarding ECBC code and Eco Niwas Sanhita for



ECBC Training Programme

Residential buildings, and Star rating program for energy efficient building (Commercial and residential) etc. During 2nd quarter of 2022-23, total 3 training programs of two days duration were organized as webinar for officers of various Development Authorities and 1 program was organized in U.P. Awas Vikas Parishad. More than 94 participants were trained during these training programs

Announcement of EC Day 2021

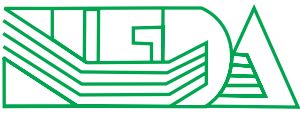
UPNEDA announced the upcoming Energy Conservation Day Celebration, a tradition that has been successfully observed in previous years. This event serves as a platform to raise awareness about energy conservation and sustainability while recognizing the efforts of individuals and organizations that have shown exceptional commitment in this field.

As in previous years, this year's Energy Day Celebration promises to be an insightful and engaging occasion. NEDA have planned a comprehensive workshop that will further enrich understanding of energy conservation practices and techniques. The highlight of the EC Day will be the awards ceremony, where deserving winners will be honored for their outstanding contributions.

The workshop will feature two distinct categories:

- Competition
- Energy Saving Campaign Category

The awards will be bestowed upon industries and other establishments with the aim of fostering economy. These awards serve to acknowledge and honor selected industrial units and building establishments that have undertaken deliberate and substantial initiatives towards the efficient utilization and preservation of energy in their respective assessment years, thereby gaining recognition at the state level. First, Second and Third prizes are proposed to be given in these sectors in the form of a Shield with appropriate citation on such awards as may be decided by the Award committee. The



performance of the unit would be judged through a questionnaire which would be evaluated by an Award Committee.

The Award Committee would take a final decision on the number of awards depending on the number and quality of entries received in each category.

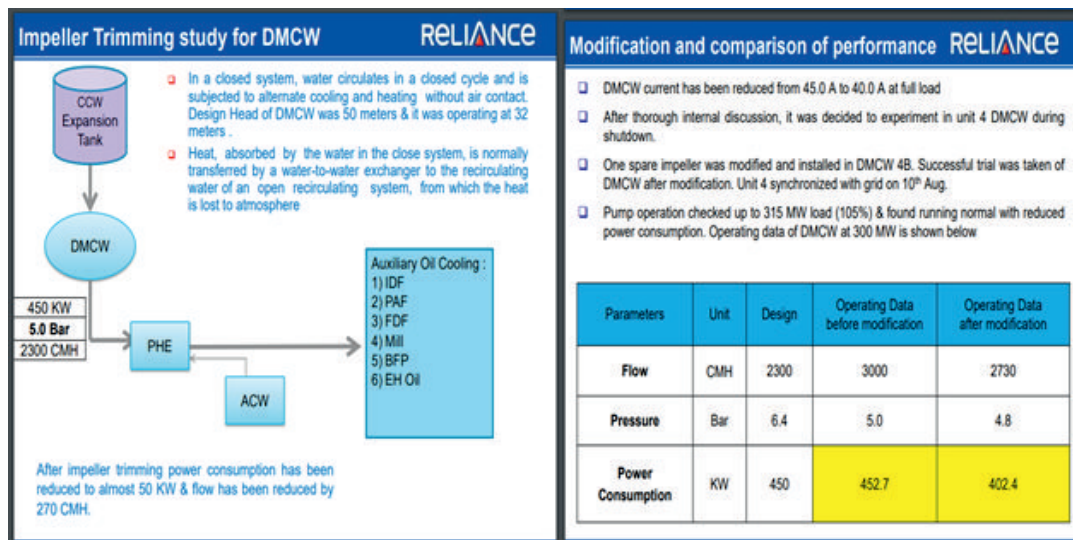
Sectors

- ➔ Schools (up to class-12)
- ➔ Industries (having connected load up-to 1 MW)
- ➔ Industries (having connected load of more than 1 MW)
- Sub Category 01: Fertilizers, Chemicals, Chlor - Alkali, Paper & Pulp
- Sub Category 02: Cement, Aluminum, Iron-Steel, Textile & Automobile
- Sub Category 03: Consumer Goods, Dairy, Drugs & Pharmaceuticals, Food Processing

unit, Refinery, Petrochemicals, Foundry etc)

- ➔ Thermal Power Plant
- ➔ Sugar Industry
- ➔ Commercial buildings (Connected Load upto 100 kW, not less than 20 kW) Hotel / shopping malls / Plazas / Hospitals /Corporate Offices/ Data Centres etc
- ➔ Commercial buildings (Connected Load above 100 kW) Hotel / shopping malls / Plazas / Hospitals /Corporate Offices/ Data Centers etc
- ➔ Higher Educational Institutions (Govt./ Govt. aided Schools/ Colleges/ Institute /Universities, Professional Institutions etc)
- ➔ Govt. Buildings (Connected Load 20kW and above)
- ➔ Financial Institution

Case Study: ROSA POWER SUPPLY COMPANY LTD., Shahjahanpur, Uttar Pradesh Impeller Trimming for Demineralized Cooling Water Pump Case Study.



Uttar Pradesh New & Renewable Energy Development Agency (UPNEDA)

उत्तर प्रदेश नवीन एवं नवीकरणीय ऊर्जा विकास अभिकरण
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