



Webinar Report

NATIONAL ENERGY CONSERVATION DAY, 2020

Theme: Role of Agriculture Technology in National Energy Conservation

Organized by

**ENVIS RP on Combating Desertification
ICAR- Central Arid Zone Research Institute
Jodhpur (Rajasthan)- 342008**

December 14, 2020

National Energy Conservation Day, 2020

ICAR- Central Arid Zone Research Institute, Jodhpur Celebrates

NATIONAL ENERGY CONSERVATION DAY

14th December, 2020

Webinar

Topic:- Role of Agriculture Technology in National Energy Conservation

Speaker:- Dr. Dilip Jain, Head, Division of Agricultural Engineering and Renewable Energy, ICAR-CAZRI, Jodhpur

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Organized by

ENVIS RP on Combating Desertification

ICAR – Central Arid Zone Research Institute celebrated the National Energy Conservation Day on 14th December, 2020 in collaboration with ENVIS RP on Combating Desertification. On this occasion a webinar was organized on this year’s theme “*Role of Agriculture Technology in National Energy Conservation*”. Dr. P.C.Moharana, Principal Scientist & Coordinator ENVIS welcomed the Guest Speaker Dr. Dilip Jain, Principal Scientist & Head, Division of Agricultural Engineering and Renewable Energy, ICAR- CAZRI, Jodhpur and all the participants. He focused with a thought provoking on the need of energy conservation due to climate change and impacts of global warming. He gave detailed introduction of the guest speaker having a profound knowledge and his contribution in the related field of renewable energy.

Dr. Dilip Jain elaborated the objective how to drive mass awareness about the importance of energy conservation. He presented the recent stats of India that power cables from the grid have reached a transformer in each village but still 84.5% people have access to electricity. 100% villages were electrified. He briefed the Sustainable Development Goal (SDG’s) in which it ensure access to affordable, reliable, sustainable and modern energy for all. He also stated that the energy can be conserved through technology, renewable energy, policy and attitude. Schemes related to this were also briefed. He highlighted the role of Agriculture Technology in National

Energy Conservation through solar thermal processing units and solar gadgets like solar water pump, solar PV operated farm machines, agrivoltaic technology, solar PV operated refrigeration, passive cooling technology, rooftop system to harvest solar energy etc. Strategies were also discussed to improve in farm operations. He gave some beneficial recommendations like use of solar gadgets whenever possible, use bicycle for shorter distance use natural light, unplug unused electronics etc. In last, he concluded his lecture by putting stress on small changes in attitude which can add to big saving in your bills and national energy savings along with multiple benefits like it reduces climate change impact, air pollution, improves health and energy security.

Dr. Pratibha Tewari, Principal scientist & Head, Division of Transfer of Technology & Training, ICAR-CAZRI, addressed the session by focusing the pioneer role of CAZRI in the field of energy conservation, water conservation correlated to agriculture and which is appreciated throughout India. She suggested such scientific interactions should be held in future by ENVIS fruitful for all researchers and students.

Vote of thanks was extended by Dr. Vipin Chaudhary, Principal Scientist & Member ENVIS in which he profusely thanked the guest speaker for delivering such informative lecture, deliberating and adding his ample knowledge in this session, grateful to ENVIS Coordinator and his team for organizing webinar and last but not least to all the scientific participants who spared their time to be a part of this event. He also thanked the AKMU team for providing virtual platform to organize such webinar. 36 participants marked their presence during the webinar.

