

# **"Innovation Challenges in Energy Systems to increase Energy Efficiency through Energy Management and Energy Conservation Technologies"**



Madhya Pradesh Urja Vikas Nigam Limited  
(M.P. Govt. undertaking)

Organize by

**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL**

and

**MADHYA PRADESH URJA VIKAS NIGAM LIMITED, BHOPAL**

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Madhya Pradesh Urja Vikas Nigam Limited in collaboration with the Bureau of Energy Efficiency (BEE) is implementing a "Innovation Challenges in Energy Systems to increase Energy Efficiency" based Projects to promoting Energy Management and Energy Conservation Technologies through various innovative ideas of students with following objectives:

- For mass application projects
- Easy to implement the technologies
- Technical and economical viabilities

**Application/ Proposal invited for Innovations in the following areas:**

- Renewable Energy based System and technologies (Solar/Wind/Hybrid/Biomass/Fuel Cell/Geothermal etc.)
- Energy Conservation in Buildings (Commercial/Residential )
- Energy Efficient Equipments (Solar Cooker/Solar Water Heater)
- Energy Efficiency opportunities in Domestic sector (Including home appliances like water purifier, filters, Television, lights etc.)
- Energy Efficiency opportunities in Agriculture sector (Agricultural pumps and Pumping Systems: Pumps pumping systems comprising of water intake system including valves, pipes, pumps, water delivery system including pipe valves, water delivery system such as sprinkler, drip irrigation system)
- Energy Efficiency opportunities in Transport sector
- Energy Efficiency opportunities in Rural House hold sector
- Space conditioning (Residential & public buildings, commercial spaces, industries, public/private transport such as railway coaches, buses, ferries & others)
- Refrigeration (Refrigeration technologies for domestic/ commercial/industrial applications including, but not limited to refrigerators, freezers/deep freezers,

- water-coolers, milk chillers, Ice-lined refrigerators (ILR), marine and transport refrigeration)
- Electric Pumps, Industrial pumps [Application in industries, building municipalities (water supply and sewage disposal)]
  - Energy Efficient Motors

## **Participation**

The innovation challenge is open for: All Technical/Non-Technical/General Students /Scholars and early career researchers across the State of M.P. Participants need to register themselves by sending filled registration form at [innovation.mpuvn@gmail.com](mailto:innovation.mpuvn@gmail.com) only. Project proposals along with copy right form are invited through both online/offline mode which is available at M.P. Urja Vikas Nigam Ltd. website: ([http://mprenewable.nic.in/energyconservation/home/innovation\\_challenges\\_in\\_energy\\_systems](http://mprenewable.nic.in/energyconservation/home/innovation_challenges_in_energy_systems)).

Please submit your proposals on following address and E-mail id :

- (1) MP Urja Vikas Nigam Limited, Energy Management Cell, Urja Bhawan, Link Road No. 2, Shivaji Nagar, Bhopal, MP- 462016 E-mail: [innovation.mpuvn@gmail.com](mailto:innovation.mpuvn@gmail.com)
- (2) School Of Energy And Environment Management, Rajiv Gandhi Proudyogiki Vishwavidyalaya ,Air Port Road, Gandhi Nagar, Bhopal (M.P.)-462033 E-mail: [head\\_soem@rgtu.net](mailto:head_soem@rgtu.net)

**(Application closing date is 30<sup>th</sup> March 2019)**

**Visit us at:**

**[http://mprenewable.nic.in/energyconservation/home/innovation\\_challenges\\_in\\_energy\\_systems](http://mprenewable.nic.in/energyconservation/home/innovation_challenges_in_energy_systems)**

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