

Status Check: Journey of India's Energy Sustainability through Renewable Sources

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Abstract : India, akin to the rest of the world today, is grappling with balancing act between ever increasing demand for energy and alarmingly high level of green house gas emission, which is inevitable corollary of energy production in the conventional way. Researchers and energy policy makers around the world are now focusing on renewable energy (RE) technologies to find solution to this crisis. In India various agencies at both national and state level has been set up and bestowed with responsibility of development of renewable energy technologies, viz. Ministry of New Renewable Energy (MNRE), National Vidyut Vyapar Nigam Ltd. (NVTNL), Indian Renewable Energy Development Agency Limited (IREDA) and RE Development Agencies in respective states. In the present work, the preparedness of India in terms of forming institutional and policy frame work briefly discussed. Status of implementation of RE technologies state wise and of India as a whole, critically reviewed.

Keywords : energy policy, energy sustainability, renewable energy, IREDA

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