

NITI AAYOG LAUNCHES GEOSPATIAL ENERGY MAP OF INDIA

Relevant for: Indian Economy | Topic: Infrastructure: Energy incl. Renewable & Non-renewable

Geospatial Energy Map of India was launched by Dr Rajiv Kumar (Vice Chairman, NITI Aayog), Dr V K Saraswat (Member, NITI Aayog), and Shri Amitabh Kant (CEO, NITI Aayog) on 18 October 2021. Dr K Sivan, Chairman ISRO & Secretary Department of Space attended the launch event.

NITI Aayog in collaboration with Indian Space Research Organisation (ISRO) has developed a comprehensive Geographic Information System (GIS) Energy Map of India with the support of Energy Ministries of Government of India. The GIS map provides a holistic picture of all energy resources of the country which enables visualisation of energy installations such as conventional power plants, oil and gas wells, petroleum refineries, coal fields and coal blocks, district-wise data on renewable energy power plants and renewable energy resource potential, etc through 27 thematic layers.

The map attempts to identify and locate all primary and secondary sources of energy and their transportation/transmission networks to provide a comprehensive view of energy production and distribution in a country. It is a unique effort aimed at integrating energy data scattered across multiple organizations and to present it in a consolidated, visually appealing graphical manner. It leverages latest advancements in web-GIS technology and open-source software to make it interactive and user friendly. The Geospatial Energy Map of India will be useful in planning and making investment decisions. It will also aid in disaster management using available energy assets.

Dr Rajiv Kumar, Vice Chairman, NITI Aayog, while launching the GIS-based Energy Map of India, stated GIS-mapping of energy assets will be useful for ensuring real-time and integrated planning of energy sector of India, given its large geographical distribution and interdependence. “Energy markets have immense potential to bring in efficiency gains. Going forward, GIS-based mapping of energy assets will be advantageous to all concerned stakeholders and will help in accelerating the policy-making process. Fragmented data has been brought together; this will be a great research instrument.”

The GIS based Energy Map of India can be accessed at– <https://vedas.sac.gov.in/energymap>.

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