

## Eco-Innovation activities in key countries beyond Europe

# Research, Development and Demonstration (RD&D), India

<http://www.mnre.gov.in/schemes/r-d/>



*"Keeping in view the energy shortage in the country, there is a need to tap biomass resources and to set up decentralised biogas based energy infrastructure in the country at the potential sites where biomass is available. This program provides good and successful examples in rural areas: new technologies are easy to handle and accepted by rural people".*

The need to refocus attention on **Research, Design & Development (RD&D)** has arisen. The underlying purpose of RD&D effort is to make industry competitive. Accordingly, RD&D effort is to make the country a net foreign exchange earner in the New and Renewable Energy Sector. In addition, the share of indigenously designed, developed and manufactured new and renewable energy systems/ devices has also to increase and consequently monitored for its eventual growth to a dominant position. Some characteristics of the programme are: Involvement of industry and scientific establishment; Access technological development elsewhere avoiding 'Reinventing the wheel'; Time bound specific tasks for identified R&D activities to be assigned to recognized / identified industry and institutions with clear understanding on the achievement of results.

**Funding instruments:** Financial assistance for RD&D projects including the technology validation and demonstration projects that involve partnership with industry / civil society organizations should normally be restricted to 50% of the project costs; The Ministry may provide up to 100% financial assistance as core support to R&D institutions for setting up specialized Centres of Excellence in the area of renewable energy on the basis of recommendations of Research, Design and Development Sectorial Project Appraisal Committee (RDSPAC) / Research, Design and Development Project Appraisal Committee (RDPAC) as the case may be.

**Target groups:** by Research and Development Institutions; Academic Institutions, Autonomous Institution; Developers and Manufacturers of new and renewable energy technologies, processes, materials, components, sub-systems, products and services; in public and private sector; A consortia of Indian and foreign companies, led by an Indian company; Start-ups having adequate infrastructure; Union Ministries / Departments / Agencies / Public Sector. etc.

**RD&D** focuses on the manufacture of solar thermal systems, Energy efficient buildings, renewable electricity generation, Alternate fuels, energy storage, etc.

### Technical details:

- International program.
- Established in 2008.
- Managed by the Ministry of New and Renewable Energy (MNRE).



## Boosting Eco-Innovation through Cooperation In Research and Dissemination



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