

RENEWABLE ENERGY PROGRAMME

Renewable Energy Agency, Puducherry is the State Nodal Agency of Ministry of New and Renewable Energy, New Delhi. It is the State Designated Agency of Bureau of Energy Efficiency, Ministry of Power, Government of India, New Delhi. Besides it is the implementing agency of various renewable and new sources of energy of the Union Territory of Puducherry Government. In order to promote the concept of Renewable Energy Sources and to implement the schemes on renewable energy in the Union Territory of Puducherry, Renewable Energy Agency, Puducherry was established under Registration of Societies Act in December 2005.

The objectives are:

- Promoting awareness, understanding and development of New and Renewable Energy Sources
- Promoting Energy Conservation activities in respect of conventional energy sources like oil and power
- Encouraging the research and development in technology and scientific knowledge relating to the above subjects
- Undertaking projects for conservation of non conventional energy sources with special emphasis on environment protection
- Formulating and propagating environment friendly fuel for transportation in the Union Territory of Puducherry

Vision

The vision of future of Puducherry shall be one of promoting Clean and Green Sources of Energy, enhancing energy efficiency to derive maximum advantage to ensure environmentally sustainable growth in all sectors.

To strengthen a relationship with various national & international institutions / organizations in the Renewable Energy field for active cooperation in development of Energy Efficiency & Energy Conservation.

The policy shall strive to provide Energy Security and affordable access to reliable and quality source of renewable energy based on efficient and user oriented delivery of services through a optimum mix of environmentally sustainable technologies.

Major projects / works completed in 2014-15

- Wind monitoring station installed in Puducherry
- Solar city Master Plan preparation work is in progress
- Draft Solar Policy is prepared and submitted for approval
- Information and Public awareness conducted in Polytechnic in Karaikal
- Concentrated Solar Technology workshop conducted in Puducherry to promote the use of solar air heater, solar water heaters , solar cooking system.
- 270 Demo LED street light installed in Pillaichavadi, Kanagachettikulam stretch in the ECR Road.
- Stakeholders consultation workshop on Energy Conservation Building Code in the UT of Puducherry.
- Workshop on Scope of Energy Conservation Building code in the UT of Puducherry.
- Stakeholders sensitization workshop on Investment Grad Energy Audit Report.
- High Level committee for implementation of ECBC in Puducherry
- State level painting Competition for school children.
- Launch of BEACON Website and interaction with Hon'ble Minister for State Power IC by the schools students in the UT of Puducherry on Energy Conservation Day

Major projects / works proposed for 2015-16

- Awareness program to Industrial and commercial sectors
- Demo Solar Photovoltaic Power plant in REAP office
- Competition to school children
- Awareness program to schools and colleges
- Establish and sponsor programs in Renewable Energy clubs in schools and colleges
- Awareness program to self help group
- Training to ITI's, Polytechnic and Engineering Students
- Sponsorship for R & D activities to Polytechnic and Engineering students
- Awareness advertisement through dailies, magazines and other medias
- Conducive Solar Policy for the UT of Puducherry
- Rooftop SPV plants for Domestic, Commercial and Industrial
- Solar installations based on the Solar City Master Plan
- Biogas Plants
- Biomass Cokestove (unnath Chullan Abiyan)

- Maintenance of Solar Street Lights
- Biogas based Community cooking systems
- CST based Community Cooking systems
- Home lighting systems
- CST based systems for commercial and industrial applications.
- Information and awareness on Energy Efficiency and Energy Conservation
- Development of Website for SDA
- Impact survey on various energy efficiency measures
- Energy management cell in Government Departments
- Demo projects on Energy Efficiency and Energy Conservation
- Green building initiative
- Workshop to sensitize on various energy efficiency and energy conservation measure.

OUTLAY AT A GLANCE

Sector : RENEWABLE ENERGY PROGRAMME

No. of Schemes : 3

Department : RENEWABLE ENERGY AGENCY,
PUDUCHERRY

(₹ in lakh)

Annual Plan 2013-14 Actual Expenditure	:	332.90
Annual Plan 2014-15 Approved Outlay	:	280.00
Annual Plan 2014-15 Revised Outlay	:	180.00
Annual Plan 2015-16 Approved Outlay	:	220.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2013-14	Annual Plan 2014-15		Annual Plan 2015-16	
		Actual Expdr.	Approved Outlay	Revised Outlay	Approved Outlay	Of which Capital Content
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Energy Conservation Fund	25.00	10.00	10.00	10.00	--
2	Strengthening of Renewable Energy Wing	60.00	100.00	100.00	110.00	--
3	Promotion of New and Renewable Energy Sources inclusive of Solar City (Matching Grant) and (Energy Education Park)	247.90	170.00	70.00	100.00	--
Total		332.90	280.00	180.00	220.00	--

Scheme No.1Sector : RENEWABLE ENERGY
PROGRAMMEImplementing
Department :RENEWABLE
ENERGY AGENCY,
PUDUCHERRY

1. **Name of the Scheme** : Energy Conservation Fund
2. **Objective of the Scheme** :

For the purpose of Energy Efficiency and Energy Conservation Activities in the UT of Puducherry.

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

- Knowledge Sharing workshop with delegates from other states
- Energy Efficiency and Energy Conservation workshop to Government officials.
- Consultant appointed for Annual energy Saving plan for Industries, Municipal and Agriculture Sectors.
- High Level meeting on Energy Efficient street light under the chairmanship of Hon'ble Chief Minister.
- Sensitization workshop on energy efficient in commercial building

4. Physical Achievements for the Annual Plan 2014-15:

- 270 Demo LED street light installed in Pillaichavadi, Kanagachettikulam stretch in the ECR Road.
- Stakeholders consultation workshop on Energy Conservation Building Code in the UT of Puducherry.
- Workshop on Scope of Energy Conservation Building code in the UT of Puducherry.
- Stakeholders sensitization workshop on Investment Grad Energy Audit Report.
- High Level committee for implementation of ECBC in Puducherry
- State level painting Competition for school children.
- Launch of BEACON Website and interaction with Hon'ble Minister for State Power IC by the schools students in the UT of Puducherry on Energy Conservation Day

5. Proposed Physical Targets for the Annual Plan 2015-16 :

- Information and awareness on Energy Efficiency and Energy Conservation
- Development of Website for State Designated Agency (SAD)
- Impact survey on various energy efficiency measures like Demo Street lighting, LED village campaign etc.

- Form Energy management cell in Government Department to assist in efficient use of energy.
- A Demo building to show the significance of Energy Efficiency and Energy Conservation on selected building
- Training on Energy Conservation Building Code (ECBC) to other registered Engineer with Planning Authority.
- LED based awareness hoardings at prominent places.
- Workshop to sensitize on ECBC, Green building, Star rated appliances ect, along other energy efficiency and energy conservation ,measure.
- Distribution of LED bulbs under LED Village Campaign in Irulanchandi Village.

6. Remarks : Continuing Scheme

Scheme No.2

Sector : RENEWABLE ENERGY PROGRAMME Implementing Department : RENEWABLE ENERGY AGENCY, PUDUCHERRY

1. Name of the Scheme : Promotion of New and Renewable Energy Sources

2. Objective of the Scheme :

To distribute various energy conserving devices at subsidized rate for fulfilling energy needs to propagate the use of new and renewable energy devices and in order to save electricity, solar street lights will be installed in urban/rural areas

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

- Solar city committees were formed.
- Wind monitoring station installed in Karaikal
- Energy Education Parks works (under progress)
- Restoration of Solar power plant in Chief Secretariat.
- Demo Home lighting system were procured

4. Physical Achievements for the Annual Plan 2014-15:

- Wind monitoring station installed in Puducherry
- Solar city Master Plan Prepared
- Draft Solar Policy is prepared and submitted for approval

- Tenders floated of 3 KWp and 10 KWp Rooftop Solar Photovoltaic (SPV) power plants in Government press, REAP office and Forest Department.
- Undamaged component from the 25Kw SPV plant in Chief Secretariat damaged due to thane cyclone were restored.
- Detailed Project Reports (DPR) for implementation of Solar City project for Collector Office, State Bank Head Office building, Police Department (Law and Order building) Court building and Sports Complex.

5. Proposed Physical Targets for the Annual Plan 2015-16

- Conducive Solar Policy for the UT of Puducherry is to be notified.
- Completion works for Energy Education Park for opening of the park for public.
- Promotion of Rooftop SPV plants for Domestic, Commercial and Industrial sector.
- Solar installations based on the recommendation made in the Solar City Master Plan
- Biogas Plants to be supplied to orural household based on willingness.
- Biomass Cokestove to be promoted in the rural areas.
- Solar Street Lights System installed in various region of Puducherry will be resorted and maintained.
- Biogas based Community cooking system to be promoted.
- Concentrated Solar Technology(CST) based system will be done in Ponlait, Sugar Mill, Ssssspinning Mill etc.,
- Home lighting systems
- Concentrated Solar Tecnology (CST) based system will be promoted for Commercial and industrial applications

6. Remarks : Continuing Scheme

Scheme No.3

Sector : RENEWABLE ENERGY PROGRAMME Implementing Department : RENEWABLE ENERGY AGENCY, PUDUCHERRY (REAP)

1. Name of the Scheme : Strengthening of Renewable Energy Wing

2. Objective of the Scheme :
To strengthen the Administrative Wings.

To promote and create awareness on the concept of renewable energy Sources.

To organize various renewable energy program

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

- Information and Awareness programme is conducted in schools
- Advertisement on JERC notification
- Sponsored Green ICT conference
- Training program conducted to Engineering students on Solar Photovoltaic
- Exhibition of Renewable Energy, Energy Efficiency and Energy conservation conducted in Puducherry
- REAP participated in the exhibition conducted in IITF, New Delhi under MNRE banner.

4. Physical Achievements for the Annual Plan 2014-15:

- Information and Public awareness conducted in Polytechnic in Karaikal and two schools in Puducherry.
- Concentrated Solar Technology workshop conducted in Puducherry to promote the use of solar air heater, solar water heaters , solar cooking system.
- Awareness visit concentrated Solar Technology Installation in Ramakrishna Math in Chennai was conducted.
- Awareness programme was conducted in to Govoernment schools in Puducherry.
- Awareness visit to CST installation centre in Chennai

5. Proposed Physical Targets for the Annual Plan 2015-16 :

- Proposed to condut awareness programme on concentrated Solar Technology too Industrial and commercial sector to be conducted with emphasis on Hotel and Hospital Sector.
- Demo photo voltaic power plant in Reap office along with LED display board.
- Painting and Essay Writing competition to school chlldren
- Awareness program in Educational institutions thorough Energy clubs
- Awareness program to self help group
- Training of Renewable Technologies to ITI's, Polytechnic and Engineering Students
- Sponsorship for R & D activities to Polytechnic and Engineering students
- Awareness advertisement through dailies, magazines and other medias

6. Remarks : Continuing Scheme