

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.

Solar City

MNRE has initiated the “Development of Solar city” programme to support/encourage Urban Local Bodies to prepare a Road Map to guide their cities in becoming ‘renewable energy cities’ or ‘solar cities’. The Solar city aims at minimum 10% reduction in projected demand of conventional energy at the end of five years, through a combination of enhancing supply from renewable energy sources in the city and energy efficiency measures. The basic aim is to motivate the local Governments for adopting renewable energy technologies and energy efficiency measures. The proposal forwarded by the Government Puducherry has been approved in principle by the Ministry of New Renewable Energy Sources (MNRES) for declaring Puducherry as a ‘Solar City’. The proposal is part of the Puducherry Government’s initiative to promote renewable energy and reduce green house gas emissions. The Solar city project aims at reducing demand of conventional energy by a minimum of 0 per cent by 205, by enhancing supply from renewable energy sources in the city and through energy efficiency measures.

OUTLAY AT A GLANCE

Sector : RENEWABLE ENERGY PROGRAMME

No. of Schemes : 3

Department : RENEWABLE ENERGY AGENCY,
PUDUCHERRY

(₹ in lakh)

Annual Plan 2012-13 Actual Expenditure	:	115.00
Annual Plan 2013-14 Approved Outlay	:	370.00
Annual Plan 2013-14 Revised Outlay	:	333.00
Annual Plan 2014-15 Proposed Outlay	:	280.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2012-13	Annual Plan 2013-14		Annual Plan 2014-15	
		Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay	Of which Capital Content
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Energy Conservation Fund	75.00	25.00	25.00	25.00	--
2	Strengthening of Renewable Energy Wing	40.00	60.00	60.00	60.00	--
3	Promotion of New and Renewable Energy Sources inclusive of Solar City (Matching Grant)	--	284.90	247.90	195.00	--
Total		115.00	370.00	333.00	280.00	--

Scheme No.1Sector : RENEWABLE ENERGY
PROGRAMMEImplementing
Department :RENEWABLE
ENERGY AGENCY,
PUDUCHERRY**1. Name of the Scheme** : Energy Conservation Fund**2. Objective of the Scheme** :

The main objective of this scheme is to promote Energy Efficiency and Energy Conservation activity

3. Actual Physical Achievements made in the Annual Plan 2012-13 :

- Phase II – Energy Audit in Government building
- Energy Conservation building code incorporated in the building bye laws of Town and Country Planning
- Notification issued for Mandatory use of solar water heater in specified buildings and Star labelled equipment in Government building and devices supplied through government department.
- Detailed project report for energy efficient lighting pilot project at Raj Nivas
- Workshop on Bachat Lamp Yojana and Standard Offer Program (SOP) conducted.

4. Physical Achievements for the Annual Plan 2013-14:

- Implementation of Pilot project at Raj Nivas
- Demo energy efficient street lighting project in the UT of Puducherry
- Project Report on Annual Energy Saving Plan for Municipal, Agricultural and Industrial sector
- LED Village Campaign for one Village in the UT of Puducherry
- Detailed Project Report on energy efficient street lighting in Puducherry.
- Workshop on Knowledge Sharing on Energy Efficient activities in various states, training on Energy Conservation building code and workshop on implementation of Energy Conservation Building code was conducted.

5. Proposed Physical Targets for the Annual Plan 2014-15 :

- Annual Energy Saving plan and Energy Conservation Building code will be implemented.
- Impact survey on energy efficient activity will be conducted.
- Training for Energy Auditors will be conducted.

6. Remarks : Continuing Scheme

Scheme No.2Sector : RENEWABLE ENERGY
PROGRAMMEImplementing
Department :RENEWABLE
ENERGY AGENCY,
PUDUCHERRY

- 1. Name of the Scheme** : Promotion of New and Renewable Energy Sources
- 2. Objective of the Scheme** :

The main objective of the scheme is to distribute various energy conserving devices at subsidized rate for fulfilling energy needs, propagate the use of new and renewable energy devices. It is proposed to develop Puducherry as Solar City which comprises of Puducherry and Olugrat Municipality. Training programmes will be convened to create awareness on renewable energy and energy efficiency to students as well as general public.

3. Actual Physical Achievements made in the Annual Plan 2012-13 :

- Solar Street Lights maintained.
- Assignment of work for setting up of Wind Monitoring Station
- Energy Education Park setup.
- Solar Home lighting system and Solar Lanterns demonstrated.
- Solar Cookers distributed.
- State Level level committee under the chairmanship of Hon'ble Chief Minister and Stakeholders Committee under the Chairmanship of Chief Secretary constituted.
- Solar City Cell under the chairmanship of Secretary (Power) constituted.
- RFP for appointment of consultant for preparation of Master Plan and executable DPR)
- Landscaping developed.
- Indoor and outdoor exhibits conducted.

4. Physical Achievements for the Annual Plan 2013-14:

- Solar power plant in Government Buildings was setup.
- Restore the Solar Power Plant in Chief Secretariat was done.
- Solar Steam cooking system in Central Kitchen was done.
- Proposal for Rooftop power plants in Government buildings was prepared.
- Energy efficient lighting system was demonstrated.
- Solar Power Plant Grid was connected.
- Solar Street light at Chunambar was setup.

- Consultant appointed for Preparation of Master Plan for development of Puducherry as Solar City
- Information and awareness activity was done.
- Final Landscaping work and installation of exhibits was completed.
- Bio gas plant and solar water heater system was demonstrated.
- Energy Education park was completed.

5. Proposed Physical Targets for the Annual Plan 2014-15 :

- Green building imitative will be setup.
- Devices under Solar City Scheme will be implemented.
- Biogas plant for Central Kitchen will be setup.
- Wind-solar Hybrid system will be implemented.
- Solar Water Pumps, Solar Street Lighting System will be installed.
- Energy Efficient Lighting system (LED bulbs) will be distributed.
- Identification of suppliers for implementation based on Mater Plan and executable DPR's for Solar City.
- Awareness and consultation workshop will be convened for Solar City.
- Energy education Park Information and awareness will be convened.

6. Remarks : Continuing Scheme

Scheme No.3

Sector : RENEWABLE ENERGY PROGRAMME	Implementing Department :	RENEWABLE ENERGY AGENCY, PUDUCHERRY (REAP)
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1. Name of the Scheme : Energy Conservation Fund

2. Objective of the Scheme :

The main objective of the scheme is to promote Energy Efficiency and Energy Conservation activity

3. Actual Physical Achievements made in the Annual Plan 2012-13 :

- Phase II – Energy Audit in Government building conducted.
- Energy Conservation building code incorporated in the building bye laws of Town and Country Planning

- Notification issued for mandatory use of solar water heater in specified buildings and Star labelled equipment in Government building and devices supplied through government department
- Detailed project report for energy efficient lighting pilot project at Raj Nivas prepared.
- Workshop on Bachat Lamp Yojana was conducted.
- Workshop on Standard Offer Program (SOP) was conducted.

4. Physical Achievements for the Annual Plan 2013-14:

- Pilot project at Raj Nivas was implemented.
- Energy efficient street lighting project in the UT of Puducherry was demonstrated.
- Project Report on Annual Energy Saving Plan for Municipal, Agricultural and Industrial sector was prepared.
- LED Village Campaign for a Village in the UT of Puducherry was convened.
- Detailed Project Report on energy efficient street lighting in Puducherry was prepared.
- Workshop on Knowledge Sharing on Energy Efficient activities in various states was given.
- Training on Energy Conservation building code was conducted.
- Workshop on implementation of Energy Conservation Building code was conducted.

5. Proposed Physical Targets for the Annual Plan 2014-15 :

- Annual Energy Saving plan will be implemented.
- Energy Conservation Building code will be implemented.
- Impact survey on energy efficient activity will be conducted.
- Training for Energy Auditors will be given.

6. Remarks : Continuing Scheme