

RENEWABLE ENERGY PROGRAMME

Renewable Energy Agency

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.

Mission

1. To optimize Energy mix of Union Territory by ensuring 80 MW capacity addition in New and Renewable Energy Sources.
2. To explore New and Energy Renewable Sources potential in the U.T. of Puducherry.
3. To encourage investment from private / public community in Renewable Energy and Energy Conservation projects.
4. To implement Energy Efficiency & Energy Conservation measures to conserve 25% of Energy consumption by 2020.

ACHIEVEMENTS DURING 2007-11

- Every year, 20th August, Rajiv Gandhi Akshya Urja Diwas had been celebrated to create awareness on Renewable Energy.
- 15th December of every year “Energy Conservation Day” had been observed.
- District and State Level Essay/Painting/Drawing Competitions had been conducted
- 35200 LPD Solar Water Heating systems installed
- 295 Nos. of Solar Lanterns issued on subsidy
- 310 Nos. Solar Street Lighting Systems installed
- 6 Nos. of Solar Cooker issued on subsidy
- 19500 Nos. Improved Chulhas were issued on subsidy
- 3 Nos. of Biogas Plant were installed by granting subsidy
- 34 Nos. of Community Chulhas were issued
- 25,570 Nos. of CFL bulbs were issued on subsidy rate
- 1,750 Nos. of LED bulbs were issued on subsidy rate
- District Advisory Committee Programmes were conducted for planning and coordination of various renewable energy programmes and creation of mass awareness in the UT.
- Renewable Energy Clubs were set up in Engineering Colleges to create awareness for conducting seminars, models making projects, workshops etc.,
- Financial assistance given for 13 Nos. of Battery Operated vehicles during the period.

- Exhibition on Renewable Energy and Energy Conserving Devices/Systems were conducted.
- Mobile Exhibition Van was sent to various Education and Technical Institutions
- Actions were initiated to set-up Energy Education Park at Puducherry and the work is now under completion stage
- Actions were initiated to implement the objectives of Energy Conservation Act in the UT
- Energy Auditing were conducted on Government Departments/Institutions
- Energy Clinic Programme on Energy Conservation at home for the women self help groups in Puducherry region was conducted.
- Demo Project on Energy Efficiency in 25 Nos. of Municipal Water Pumping was conducted
- Training Programme on General Awareness were conducted
- Subsidies, state-subsidy as well as central subsidy were granted to various renewable energy devices.

LIKELY ACHIEVEMENTS DURING 2011-12

- Workshop on Energy Audit and Rajiv Gandhi Akshya Urja Diwas had been conducted
- Energy Conservation Day has been observed and Tableau depicting the awareness programmes on the usage of Energy and Energy Conserving Devices conducted.
- Propose to conduct Exhibition on Renewable Energy Conserving Devices during the month of February 2012.
- Actions initiated to install Solar Kitchen in the Prison at Kalapet and 20 Nos. of Solar Street Lighting Systems is proposed to be installed in Puducherry region.
- 100 Nos. of Solar Street Lighting Systems had been installed in Puducherry and Karaikal Regions.
- LED Project has been implemented – 20 Nos. of Street Lighting Systems and 750 (3x250) Nos. of Home Lighting Systems at Valavil Village and 20 Nos. of Street Lighting Systems and 750 (3x250) Nos. of Home Lighting Systems at Parakkal Village in Mahe Region.
- Wind Monitoring Station installed in Women's Polytechnic, Puducherry.

- Action is being taken to complete the State Level energy Education Park and to function during February 2012.
- Budget Lamp Yojana (BLY) is to be carried out during this year itself with the co-ordination of Puducherry Power Corporation and Electricity Department, Puducherry.
- 3 MW Solar Power Plant at Pondicherry Engineering College campus has been carried out.
- Actions for setting up of Wind Solar Hybrid Systems at Chunnambar Island, Karaikal Beach Resort, Women's Polytechnic College, Lawspet and Central Prison, Kalapet are being carried out.
- Actions are being carried out to repair/re-install the renewable devices which were affected in *Thane Cyclone* in the Puducherry region.

PROPOSED TARGETS FOR 2012-13

- To setup a New Department of New and Renewable Energy.
- Proposed to acquire land for construction of office building for REAP
- As a part of Capacity Building of SNA, proposed to create and fill the posts as prescribed in the WISE Report
- To impart training on renewable energy to the staff
- Purchase of vehicles, four-wheeler/two-wheeler and Mobile Exhibition Van for office use
- To set-up field offices in other regions of this UT
- To celebrate Renewable Energy Day (Rajiv Gandhi Akshya Urja Diwas) on the birth date of Rajiv Gandhi, every year. To organize Exhibition to promote awareness among the people on renewable energy usages, in the four regions of the UT. To conduct seminar / workshop / conference on the importance of energy efficiency policy
- Implementation of Solar City Scheme in Pondicherry City and Establishment of Green Schools

- Setting up of 2 MW capacity Power Plant, 1 MW Roof Top Power Plant, Solar Wind Hybrid Power Plant, Community based Solar Power plants in Commune Panchayats, one 2 MW capacity Wind Power Plant on Pilot basis.
- Installation of Solar Street Lighting Systems, Solar Central Kitchen in Educational and other institutions, Wind Measurement Stations, Waste to Energy Plant utilizing Municipal Bio Waste, Bio Gas Bottling plant on pilot basis, Bio waste based Power plant with Rice Husk as Bio Fuel.
- Subsidy for setting up Small Rooftop Solar PV power plants in Household/Individual beneficiaries, Solar Inverters, Solar Home Lighting Systems, Battery Operated Two-wheelers, Solar Lantern, Solar Water Heating System and for other devices, FRP type Biogas Plant
- Complete Assessment of Bio Mass potential and appropriate technology with UNEP/IETC
- Establishment of Renewable Energy SEZ/Solar Park
- Setting up of Green Energy Fund

OUTLAY AT A GLANCE

Sector : RENEWABLE ENERGY PROGRAMME

No. of Scheme : 3

Department : RENEWABLE ENERGY AGENCY OF PONDICHERRY(REAP)

(₹ in lakh)

Eleventh Five Year Plan 2007-12 Approved Outlay	:	701.16
Annual Plan 2007-10 Actual Expenditure	:	199.98
Annual Plan 2010-11 Actual Expenditure	:	106.00
Annual Plan 2011-12 Approved Outlay	:	200.00
Annual Plan 2011-12 Revised Outlay	:	60.00
Twelfth Five Year Plan 2012-17 Tentative Outlay	:	36696.00
Annual Plan 2012-13 Proposed Outlay	:	1256.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2010-11	Annual Plan 2011-12	Twelfth Plan 2012-17 (Tentative Outlay)	Annual Plan 2012-13
		Actual Expdr.	Approved Outlay	Proposed Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)
1.	Strengthening of Renewable Energy Wing (Maintenance of Rural Energy Cell)	55.00	60.00	--	--
2.	Subsidy for various energy conserving devices	11.00	30.00	--	--
3.	State level Energy Education Park	35.00	10.00	--	--
4.	Energy Conservation Fund	5.00	100.00	--	--

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2010-11	Annual Plan 2011-12	Twelfth Plan 2012-17 (Tentative Outlay)	Annual Plan 2012-13
		Actual Expdr.	Approved Outlay	Proposed Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)

Schemes for 2012-13 and 2012-17 after Zero Based Budgeting Exercise

1.	Energy Conservation Fund	--	--	3250.00	450.00
2.	Strengthening of Renewable Energy Wing Administration	--	--	3176.00	529.00
3.	Promotion of new and renewable energy sources	--	--	30270.00	277.00
TOTAL		106.00	200.00	36696.00	1256.00

Note : The number of schemes indicates with reference to Draft Annual Plan 2012-13.