

## 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. 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.

## OUTLAY AT A GLANCE

Sector : RENEWABLE ENERGY PROGRAMME

No. of Schemes : 3

Department : RENEWABLE ENERGY AGENCY,  
PUDUCHERRY

(₹ in lakh)

Annual Plan 2014-15 Actual Expenditure	:	175.00
Annual Plan 2015-16 Approved Outlay	:	220.00
Annual Plan 2015-16 Revised Outlay	:	20.00
Annual Plan 2016-17 Proposed Outlay	:	180.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2014-15	Annual Plan 2015-16		Annual Plan 2016-17	
		Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay	Of which Capital Content
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Energy Conservation Fund	10.00	10.00	--	10.00	--
2	Strengthening of Renewable Energy Wing	100.00	110.00	20.00	110.00	--
3	Promotion of New and Renewable Energy Sources inclusive of Solar City (Matching Grant) and (Energy Education Park)	65.00	100.00	--	60.00	--
<b>Total</b>		<b>175.00</b>	<b>220.00</b>	<b>20.00</b>	<b>180.00</b>	<b>--</b>

**Scheme No.1**Sector : 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 2014-15 :**

- 270 nos. of LED street light installed in the stretch of ECR road from Pillaichavady to Kanagachettikulam in the U.T. of Puducherry under LED Demo Project.
- Conducted the stakeholder Consultation workshop on Energy Conservation Building Code
- Conducted the workshop on scope of Energy Conservation Building Code in the U.T. of Puducherry
- Conducted the Stakeholder sensitization workshop on Investment Grade Energy Audit reports
- Constituted the High Level committee for implementation of ECBC in Puducherry
- Conducted the 10<sup>th</sup> State Level Painting Competition for school children on Energy Conservation in the U.T. of Puducherry
- Launch of BEACON website and interaction with the Hon'ble Minister for State Power IC by the school students in the U.T. of Puducherry on Energy Conservation Day.

**4. Physical Achievements for the Annual Plan 2015-16:**

- 2 nos. of 7W, LED Bulbs were distributed to each households those are covering under the scheme of One light for One House in the villages of Pudunagar , Bahour Pet, Irulanchandai and Kuruvintham village in the Puducherry region.
- The existing high power consumed street lights were replaced as Energy Efficient LED street Lights in the villages of Pudunagar , Bahour Pet, Irulanchandai and Kuruvintham village in the Puducherry region.
- Energy saving achieved by implementing the Perform Achieve Trade (PAT) scheme cycle-I by Designated Consumers in the U.T. of Puducherry
- Officials from Public Works Department was identified by this agency for establishing the ECBC cell in State Public Works Department, Puducherry

- Conducted the 11<sup>th</sup> State Level Painting Competition for creating awareness and publicity on Energy Conservation among the school students of 4 regions in the U.T. of Puducherry
- Conducted the awareness rally to general public on Energy Conservation at Vallalar Girls Govt. Higher Secondary School, Lawspet, Puducherry.
- Energy saving achieved by implementing the LED Demo Lighting System at Raj Nivas, Puducherry
- LED Village campaign
- Information and Publicity Awareness Programme on Energy Conservation
- Workshop on Energy Conservation

**5. Proposed Physical Targets for the Annual Plan 2016-17 :**

- Conduct of Workshop on Energy Efficiency and Energy Conservation to various stake holders in the U.T. of Puducherry
- Creation of Website for SDA, Puducherry
- Impact survey on various Energy Efficiency measures
- Conduct of two days training workshop on ECBC to architects, Builders , Energy managers/auditors in the U.T. Of Puducherry
- Creation of Energy Conservation Building Code Cell in Government Departments.
- Identify and to implement the PAT scheme cycle –II to New Designated consumers available in the U.T. of Puducherry
- Demo Projects on Energy Efficiency and Energy conservation
- Information and awareness on Energy Efficiency and Energy Conservation Managers/Auditors in the U.T. of Puducherry

**6. Remarks :** Continuing Scheme

**Scheme No.2**

Sector : RENEWABLE ENERGY PROGRAMME	Implementing Department :	RENEWABLE ENERGY AGENCY, PUDUCHERRY
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**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 2014-15 :

- Two wind monitoring stations are commissioned one at Narambai in Puducherry region and another at T.R. Pattinam in Karaikal region.
- Energy Education Park with Exhibition Hall was constructed at Lawspet, Puducherry
- The draft Solar policy prepared by these Agency and approval of the Cabinet Committee of this Administration has been obtained on 19.01.16 and action is being taken to publish in the official Gazette
- Installed Roof top SPV Power Plant in Government Press Mettupalayam
- Installed Roof top SPV Power Plant in REAP office
- Installed Roof top SPV Power Plant in Forest Department
- Restored the Power Plant in Chief Secretariat which was spoiled in the recent Thane Storm
- Solar city Master Plan prepared and submitted to MNRE, New Delhi for its approval
- Solar Street lights already installed in IAS Officer Quarters at Indhira Nagar, Gorimedu and Navarkulam are maintained.
- 10 Nos of LED Street Lights are installed in Mahatma Gandhi Dental College and Reasearch Centre in Gorimedu.
- Distributed 3 LED bulbs of 7W to each households in exchange of good condition used ICL bulbs and payment of Rs.10 for each LED bulbs
- LED Street Light Demo Project at Kalapet, ECR Road
- Energy saved by implementing demonstration project on energy efficient LED Street Lighting in the National Highway Road near JIPMER campus, Gorimedu

### 4. Physical Achievements for the Annual Plan 2015-16:

- 150 Nos of LED Street Lights in the S.C areas and S.C Hostels in Puducherry and Karaikal
- 5KV Ground Mounted off-Grid Solar Power Plant is installed within the campus of Energy Education park and the Power is being utilised for the exhibition building
- Bio-Gas Plant is installed in Energy Education Park for the canteen building
- 2 Nos of LED bulbs are distributed to each house those are covering under the scheme of One Light for One House in the villages of Kuruvinthampet, Bahourpet and Pudunagar
- The existing Street Lights are replaced as LED Street Lights on the above 3 S.C hamlets

- CST based heating and cooling application in Industrial Sector , Hospitals and Educational Institutions
- Conducted National Level Painting competitions for creating awareness and publicity of Renewable Energy among the School Children of 4 Regions in U.T Administration.
- Demo LED lighting Project at Rajnivas, Puducherry
- Energ saving by Designated consumers

**5. Proposed Physical Targets for the Annual Plan 2016-17**

- Demo LED lighting Project at Rajnivas, Puducherry
- Energ saving by Designated consumers

**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** : 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
- To create Awareness and Publicity to the School going Childrens and General Public
- To propogate the various sources for creation of Energy

**3. Actual Physical Achievements made in the Annual Plan 2014-15 :**

- 200 LPD Flat Plate Pressurised Demo Solar Water Heater System
- Conducted CST workshop on Industrial Sector, Institutional Sector, Hospital, etc., and also awareness site visit has made in Chennai along with the beneficiaries.
- Installation of Wind Monitory Station at Karaikal
- Conducted Information and Public Awareness Program at Karaikal Polytechnic College , Karaikal
- Conducted awareness quiz programme on Renewable Energy and Energy Conservation at Government Higher Secondary School, kurichikuppam

- Conducted awareness program at Karaikal Polytechnic
- Conducted National Level Painting Competition for School Students on November 2014
- Conducted Prime Minister Interactive video conference with School students of Puducherry on December 2014
- Energy Education Park constructed with Exhibition Hall at Lawspet, Puducherry
- 15 nos of Solar Street Lights in the Park
- A separate Exhibition centre for creation of Energy through Wind, Tidal waves, Water, Solar, etc., has been created for School Childrens
- Canteen by running with Bio-Gas Plant has been set-up

#### 4. Physical Achievements for the Annual Plan 2015-16:

- Information and Public awareness conducted in Polytechnic in Karaikal and two schools in Puducherry.
- Opening of the EEP
- Installation of Demo Bio-Gas Plant in the U.T of Puducherry
- Roof-top Solar Power Plant on Government Press
- Roof-top Solar Power Plant on Reap Office
- Roof-top Solar Power Plant on Forest Department
- Solar Street Light System in Mahatma Gandhi Dental College
- Restoration of Solar Power Plant in Chief Secretariat
- Installation of Wind Monitory Station in Kirumampakkam
- A separate "Solar Policy 2015" has been framed and the same has to be sent to Government Press for publishing in the next official gazette
- Awareness for Installation of CST in the U.T. of Puducherry a workshp is proposed to conduct for all the establishment @ Bangaloor by TERI
- Installation of 150 nos of LED Solar Street Lighting System in all the Hostels maintained by Aadhi Dravidar welfare Department
- Constructed Energy Park opened and come to use for the School Children and General Public in May 2015
- A separate Solar Power Plant is being installed within the Campus of the Energy Park and the Power generated is being used for the Exhibition Building
- The Energy Education Park is now maintained by REAP
- Maintaining of Exhibition Hall of Energy Park
- Landscaping work in the Energy Park

**5. Proposed Physical Targets for the Annual Plan 2016-17 :**

- Installation of CST based system in the U.T. of Puducherry Hospital, Institution and Industrial Sectors etc.,
- Implementation of NBMMP scheme in target about 50 nos of Family Size Bio-Gas Plant in the U.T of Puducherry
- 250 kw Roof top on-grid SPV Plant in Rajeev Gandhi Institute of Vetnary College
- 20kw Roof top SPV Plant in Planitorium, Department of Science and Technology
- Conduct of Awareness Programme on Renewable Energy in Schools
- Conduct of Surya Mithra Programme in Governement Polytechnics
- Conduct of State Level Essay and Drawing Competitions for School Childrens
- Creation of Energy Clinic for NGO's (Self Help Groups)
- Setting-up of a seperate Solar Power Plant for the Canteen Block in Energy Education Park
- Maintaining of Exhibition Centre in Energy Education Park
- Gardening and Landscaping work in the Parks

**6. Remarks : Continuing Scheme**