

## **NON-CONVENTIONAL SOURCES OF ENERGY**

The Pondicherry Experimental Solar Pond power project is a joint venture of Pondicherry Engineering College and Electricity Department of Government of Pondicherry, funded by the Government of India, under National solar pond development programme. The aim of the project is to install a power station to generate electric power of the order of 360 KW per day using organic rankine cycle coupled with salt Gradient solar pond.

During the Annual Plan 2005-06, advance payment for phases III viz fabrications of additional modules and interlinking with proposed 2000 sq.mt ponds, Maintenance of pilot solar ponds, augmenting the laboratory facilities, conducting working group and general body meeting of the society, purchase of salts, chemicals, Tools and Plants and Scientific instruments, preliminary works for the construction of first 2000 sq.mt solar Pond with lining scheme.

## OUTLAY AT A GLANCE

Sector : NON-CONVENTIONAL SOURCE OF ENERGY

No. of Scheme : 1

Department : ELECTRICITY

(Rs. in lakh)

Tenth Plan 2002-07 Approved Outlay	:	60.00
Annual Plan 2003-04 Actual Expenditure	:	14.96
Annual Plan 2004-05 Approved Outlay	:	15.00
Annual Plan 2004-05 Revised Outlay	:	15.00
Annual Plan 2005-06 Proposed Outlay	:	15.00

(Rs. in lakh)

Sl. No.	Name of the Scheme	2003-04	2004-05		2005-06
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)
1.	Development of non-conventional sources of energy	14.96	15.00	15.00	15.00
<b>Total</b>		<b>14.96</b>	<b>15.00</b>	<b>15.00</b>	<b>15.00</b>

## Scheme No. 1

Sector : NON-CONVENTIONAL SOURCES  
OF ENERGY

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Development of Non-Conventional Sources of Energy.
  
2. **Objective of the Scheme** :

The objective of the scheme is to promote the use of new and renewable sources of energy and to conduct research and development on renewable sources of energy. Setting up of solar pond for production of thermal and electrical energy.

### 3.(a) Actual physical Achievement 2003-04 :

Internal circular roads at project site were laid, evaporation pond was constructed and seepage treatment was provided, store room and plinth protection around power plant room were constructed and auto weather station for recording climatic parameters was installed.

### (b) Anticipated Physical Achievement 2004-05 :

Payment to be made to PASIC for road laying work and evacuation of power from pilot pond, purchase of salt for the maintenance of pond and preliminary works like deveeding and related works for setting up of first 2000 Sq.Mt. Solar Power Pond.

### (c) Programme envisaged for Annual Plan 2005-06 :

- i. Advance payment for phase III viz design and fabrication of modules and interlinking with the proposed 2000 Sq Mt ponds
- ii. Maintenance of pilot solar pond.
- iii. Preliminary works for the construction of first 2000 Sq. Mt. Solar power pond.
- iv. Purchase of salts, chemical, T&P items and scientific instruments.

- v. Augmentation of Lab facilities.
- vi. Conducting of Working Group and General Body Meeting of the society.
- vii. Lining scheme for the first 2000 Sq. Mt. Solar Power Pond.

**4. Remarks** : Continuing scheme