

INTEGRATED RURAL ENERGY PROGRAMME

During the Ninth Plan 1997-2001, 16702 Nos. of improved chulhas were distributed at subsidised rate to various households. Two Bio-gas plants were installed in Veterinary College and Agriculture College. During 2001-2002 it is proposed to distribute 4000 chulhas at subsidized rate to various households. Two Biogas plants/Community Chulhas will be installed at Jawahar Navodaya Vidyalaya, Kalapet and another at Pondicherry Eng. College. The IREP in the Tenth Plan period will focus on the provision of energy for meeting the basic needs for cooking and heating, especially for the weaker section by utilizing locally available energy sources to the extent possible and as the critical input in the economic development of rural areas.

Meeting the minimum energy requirements through conventional sources has been limited due to the higher cost. The only way to approach this problem is popularizing the use of non conventional Renewable sources like Solar, Wind, Bio energy and the devices such as Solar Water Heating Systems, Solar Cooker, Solar Street Lights, etc.

During the Ninth Plan, 48100 LPD Solar Water Heating systems have been installed at various institutions, Central Kitchens, etc. 317 Solar lanterns were sold to the public through Market mode. Adthiya Solar Shop was sanctioned and given to PASIC to Popularize the Non-conventional Sources of energy devices.

In the Tenth Plan various operational programmes will be implemented. Renewable energy technology will be linked by providing integrated solution for the problems such as fuel for cooking, house lighting, water pumping, for Agro power needs, portable water supply, information technology and communication requirements. Efforts are also under way to encourage private entrepreneurs to take up project like Biomass Gasifier, SPV power plant, Co-generation Plant, etc. by availing financial assistance from MNES/ IREDA. Internationally aided project on New sources of energy will be taken up.

OUTLAY AT A GLANCE

Sector : INTEGRATED RURAL ENERGY PROGRAMME
Department : D.R.D.A.

No. of Schemes : 4

(Rs. in lakhs)

Ninth Five Year Plan 1997-02 Approved Outlay	:	170.00
Annual Plan 1997-2000 Actual Expenditure	:	71.37
Annual Plan 2000-01 Actual Expenditure	:	25.00
Annual Plan 2001-02 Approved Outlay	:	30.00
Annual Plan 2001-02 Revised Outlay	:	0.03
Tenth Five Year Plan 2002-07 Proposed Outlay	:	155.00
Annual Plan 2002-03 Proposed Outlay	:	32.00

(Rs. in lakhs)

Sl. No	Name of the Scheme	2000-01 Actual Expenditure	2001-02 Approved Outlay	2001-02 Revised Outlay	2002-07 Proposed Outlay	2002-03 Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Maintenance of Rural Energy Cell.	20.00	15.00	0.01	75.00	15.00
2.	Subsidy for various energy conserving devices	5.00	5.00	0.01	25.00	5.00
3.	New Sources of Energy	-	10.00	0.01	40.00	11.99
4.	Energy Education Park	-	-	-	15.00	0.01
Total		25.00	30.00	0.03	155.00	32.00

Sector : INTEGRATED RURAL
ENERGY PROGRAMME

Implementing
Department : D.R.D.A.

1. **Name of the Scheme** : Maintenance of Rural Energy Cell
2. **Objective of the Scheme** :

To meet expenditure in connection with the maintenance of existing cells.

(Rs. in lakhs)

3. **Ninth Plan 1997-2002** : 170.00
- a. 1997-2000 (Actual expenditure)** : 38.62
- b. 2000-2001 (Actual expenditure)** : 20.00
- c 2001-2002 (Revised Outlay)** : 0.01

d. Actual Physical Achievement (1997-2000) :

Existing 6 IREP Block Cells are maintained Salaries to the staff training and extension including publicity on Energy Programme.

e. Anticipated Physical Achievement (2000-01) :

Existing 6 IREP Block Cells are maintained Salaries to the staff training and extension including publicity on Energy Programme.

f. Anticipated Physical Achievement (2000-02) :

Existing 6 IREP Block Cells are maintained Salaries to the staff training and extension including publicity on Energy Programme.

4. **Proposed Outlay for the Tenth Plan 2002-07** : 75.00
- Proposed Outlay for the Annual Plan 2002-03** : 15.00

5. **Programme envisaged for the Tenth Plan(2002-07):**

Preparation of Rural Energy plan, training, purchase, maintenance and use of various energy saving devices.

6. **Programme envisaged for the Annual Plan (2002-03) :**

Preparation of Rural Energy plan, training, purchase, maintenance and use of various energy saving devices.

7. **Remarks** : Continuing scheme.

Scheme No. : 2Sector : INTEGRATED RURAL
ENERGY PROGRAMMEImplementing
Department : D.R.D.A.

1. **Name of the Scheme** : Subsidy for various energy Conserving Devices

2. **Objective of the Scheme** :

Distribution of various energy conserving devices at subsidized rates for fulfilling energy needs.

(Rs. in lakhs)

3. **Ninth Plan 1997-2002** : 170.00

a. **1997-2000 (Actual expenditure)** : 32.75

b. **2000-2001 (Actual expenditure)** : 5.00

c. **2001-2002 (Revised Outlay)** : 0.01

d. **Actual Physical Achievement (1997-2000)** : Improved Chulhas 12702

e. **Anticipated Physical Achievement (2000-01)** : Improved Chulhas 4000
Biogas plant 2

f. **Anticipated Physical Achievement (2001-02)** : Improved Chulhas 4000
Newton Stove 2000

4. **Proposed Outlay for the Tenth Plan 2002-07** : 25.00

Proposed Outlay for the Annual Plan 2002-03 : 5.00

5. **Programme envisaged for the Tenth Plan(2002-07) :**

Distribution chulhas - 20000

Biogas plants - 10

Newton Stove - 5000

CFL lamps - 10000

6. **Programme envisaged for the Annual Plan (2002-03):**

Distribution chulhas - 4000

Biogas plants - 2

Newton Stove - 1000

CFL lamps - 500

7. **Remarks** : Continuing scheme

Scheme No. : 3

Sector : INTEGRATED RURAL

Implementing

1. **Name of the Scheme** : New Sources of Energy

2. **Objective of the Scheme** :

To propagate the use of Non Conventional Renewable Energy Devices like Solar Water Heating System, Solar Cooker, Solar lantern etc.

(Rs. in lakhs)

3. **Ninth Plan 1997-2002** :

a. **1997-2000 (Actual expenditure)** : 138.50

b. **2000-2001 (Actual expenditure)** : -

c **2001-2002 (Revised Outlay)** : 0.01

d. Actual Physical Achievement (1997-2000) :

Solar Water Heating System : 36900 LPD

Solar Lantern : 281

Solar Street Light : 15

Solar Cooker : 20

e. Actual Physical Achievement (2000-01) :

Solar Water Heating System : 11200 LPD

Solar Lantern : 36

Solar Street Light : 19

Solar Home Lighting System : 7

Energy Park : 2

f. Anticipated Physical Achievement (2001-02) :

Solar Water Heating System : 10000 LPD

Solar Lantern : 100

Solar Street Light : 50

Solar Home Lighting System : 10

Solar Traffic Signal : 1

SPV Pump : 4

Solar Cooker : 50

4. **Proposed Outlay for the Tenth Plan 2002-07** : 40.00

Proposed Outlay for the Annual Plan 2002-03 : 11.99

5. **Programme envisaged for the Tenth Plan(2002-07) :**

Solar Water Heating System : 50000 LPD

Solar Lantern : 500

Solar Street Light : 200

Solar Home Lighting System : 50

Solar Traffic Signal : 2

SPV Power Plant	:	2
Solar Cooker	:	500
Installation of SPV Pumpat ANP Garden	:	5
Solar Traps	:	250
Energy Education Park	:	1

6. Programme envisaged for the Annual Plan (2002-03):

Solar Water Heating System	:	10000 LPD
Solar Lantern	:	50
Solar Street Light	:	50
Solar Traps	:	50
Solar Cooker	:	50
Solar Traffic Signal	:	1

7. Remarks : Continuing scheme.

Scheme No. : 4

Sector : INTEGRATED RURAL
ENERGY PROGRAMME

Implementing
Department : D.R.D.A.

1. Name of the Scheme : Energy Education Park

2. Objective of the Scheme :

To educate the common people and school children about various forms of Renewable Energy Sources.

(Rs. in lakhs)

3. Ninth Plan 1997-2002 :

4. Proposed Outlay for the Tenth Plan 2002-07 : 15.00
Proposed Outlay for the Annual Plan 2002-03 : 0.01

5. Programme envisaged for the Tenth Plan(2002-07):

Propagation of Renewable Energy Sources their uses and relation with energy conservation techniques through interactive exhibits. (1) Exhibit at Energy education park (2) Solar Power system (3) Energy information system (4) Bio energy (5) Solar hut

6. Programme envisaged for the Annual Plan (2002-03):

Propagation of Renewable Energy Sources their uses and relation with energy conservation techniques through interactive exhibits. (1) Exhibit at Energy education park (2) Solar Power system (3) Energy information system (4) Bio energy (5) Solar hut

7. Remarks : New Scheme