

SCIENTIFIC RESEARCH

To induce scientific temper among the public, particularly among the students, science popularisation and science education programme will be taken up. Programmes for continuous up-gradation of knowledge of scientists and technologists will be supported by way of sponsoring seminars/workshops/training programmes, etc.

During the Tenth Plan, it is proposed to set up a Bio technology park, a technology transfer cell, and a remote sensing cell. It is also proposed to establish rural knowledge centres in all villages in coordination with M.S. Swaminathan Research Foundation. The project aims at making available fruits of information Technology resource and educating poor villagers. The information Knowledge centres network provides information of day-to-day use to the villagers which will not only make them aware of various government programmes but also provide them access to information from all over the world which will help them to lead better livelihood. In addition to providing localized information , the proposed Knowledge centres will also provide Internet connectivity in each of the villages where the centres will be located at a very low cost through innovative technology sourced by them. Besides this, the knowledge centres will be networked through wireless net which will provide centre- to- centre communication facility.

OUTLAY AT A GLANCE

Sector : SCIENTIFIC RESEARCH

No. of Schemes: 4

Department : SCIENCE, TECHNOLOGY & ENVIRONMENT

(Rs. in lakhs)

Ninth Five Year Plan 1997-2002 Approved outlay	:	60.00
Annual Plan 1997 – 2000 actual expenditure	:	60.08
Annual Plan 2000-01 actual expenditure	:	25.53
Annual Plan 2001-2002 Approved Outlay	:	35.00
Annual Plan 2001-2002 Revised Outlay	:	35.00
Tenth Five Year Plan 2002-2007 Proposed Outlay	:	2850.00
Annual Plan 2002-03 Proposed Outlay	:	35.00

(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.	Science and Technology Programme	20.33	27.99	28.00	350.00	30.00
2.	Setting up of Bio Technology Park & Technology Transfer Cell	0.20	2.00	0.01	2500.00	5.00
3.	Technology Information *	-	0.01	0.01	--	--
4.	Setting up of Rural Knowledge Centre *	5.00	5.00	6.98	--	--
Total		25.53	35.00	35.00	2850.00	35.00

* Scheme Dropped.

Scheme No. : 1

Sector : SCIENTIFIC RESEARCH

Implementing : SCIENCE
Department : TECHNOLOGY &
ENVIRONMENT**1. Name of the scheme** : Science and Technology Programme.**2. Objective of the Scheme** :

In order to fulfill the Socio economic Objective of this Territory through the application of science and technology, this Administration has set up a Department of Science, Technology and Environment. The Science and Technology section of this department will be suitably strengthened and Pondicherry Council for Science and Technology, which will be the apex body to offer guidance and approval for the science and Technology Programme, has been constituted. In order to induce Scientific temper among the Public, particularly among students, science popularization and science education Programmes are to be taken up. Seminars/colloquium/workshops and training Programmes will be conducted for continuous up-gradation of knowledge of Research scholars, Scientists and Engineers.

(Rs. in Lakhs)

3. Ninth Plan 1997-02 : 60.00a. **1997-2000 (Actual expenditure)** : 55.03b. **2000-2001 (Actual expenditure)** : 20.33c. **2001-2002 (Revised outlay)** : 28.00d. **Actual physical achievements (1997-2000)** :

- i) The Pondicherry council for Science and Technology has been strengthened.
- ii) State level best Science students' awards were presented
- iii) Conducted colloquia on S & T areas.
- iv) Grant-in-aid were released to research projects on identified S & T application areas/Conferences/Seminars.
- v) National Science Day was celebrated in the four regions of U.T. of Pondicherry.
- vi) Released travel grants to the eligible research scholars and Scientists.
- vii) Science Clubs in twenty Government/Private schools were established and developed.
- viii) Portable Planetarium under Science popularization programme was acquired.

e. Actual Physical Achievement (2000-01) :

- i) The Pondicherry council for Science and Technology has been strengthened.
- ii) State level best Science students awards were presented
- iii) Conducted 13 Nos. colloquia on S & T areas.
- iv) An amount Rs.2.80lakhs was released as Grant-in-aid to 5 research projects on identified S & T application areas.
- v) National Science Day was celebrated in the four regions of U.T. of Pondicherry.
- vi) Science Clubs in twenty Government/Private schools were established and developed.
- vii) Portable Planetarium under Science popularization programme was acquired.

f. Anticipated Physical Achievement 2001 - 2002:

- i) Strengthening of The Pondicherry Council for Science and Technology.
- ii) Release of grants-in-aid to the selected research project proposals submitted by the Research/Educational Institutions in the U.T. of Pondicherry on identified S & T application areas.
- iii) Sponsoring of State level children's science congress.
- iv) Celebration of National Science Day in the four regions of Union Territory of Pondicherry.
- v) Release of travel grants to the eligible Research Scholars, Scientists and Engineers to enable them to attend National/International seminars for continuous up-gradation of their knowledge.
- vi) Strengthening of existing Science clubs and establishment of science clubs in twenty Govt./Private schools.
- vii) Conduct/sponsoring of seminars/colloquium/workshops on S&T areas for continuous up-gradation of knowledge of research scholars/scientists and Engineers.
- viii) Presentation of best science student awards to secondary, Matriculation and higher Secondary level school students at state levels.

4. Proposed Outlay for the Tenth Plan 2002-07 : 350.00
Proposed Outlay for the Annual Plan 2002-03 : 30.00

5. Programme envisaged for the Tenth Plan (2002-2007):

Strengthening of Science and Technology Council, Release of grant-in-aid and undertaking other related science and technology activities.

6. Programme envisaged for Annual Plan 2002 - 2003 :

- i) Strengthening of The Pondicherry Council for Science and Technology.
- ii) Release of grants-in-aid to the selected research project proposals submitted by the Research/Educational Institutions in the U.T. of Pondicherry on identified S & T application areas.
- iii) Sponsoring of State level children's science congress.
- iv) Celebration of National Science Day in the four regions of U.T of Pondicherry.
- v) Release of travel grants to the eligible Research Scholars, Scientists and Engineers to enable them to attend National/International seminars for continuous up-gradation of their knowledge.
- vi) Establishment and development of Science clubs in ten Government Schools.
- vii) Conduct/sponsoring of seminars/colloquium/workshops on S & T areas for continuous up-gradation of knowledge of research scholars/scientists and Engineers.
- viii) Presentation of best science student awards to secondary, Matriculation and higher Secondary level school students at state levels.
- ix) Presentation of young scientist award.
- x) Conduct of children's Science Exhibition in Pondicherry region under Science Popularization programme.
- xi) Imparting training computer education to the unemployed rural women of the Territory.
- xii) Mobile science exhibition unit will be acquired.
- xiii) Creation of Science popularization and Technology awareness cell.
- xiv) Setting up of Science park in Pondicherry and Karaikal regions.
- xv) Setting up of sky watching center in Pondicherry.
- xvi) Five Rural Knowledge Centres were setup in Pondicherry in collaboration with M/s M.S. Swaminathan Research Foundation, Chennai.
- xvii) Five Rural Knowledge Centres were setup in Pondicherry in collaboration with M/s M.S. Swaminathan Research Foundation, Chennai.
- xviii) State Remote Sensing Cell will be setup.
- xix) The Following posts will be Created:
Scientific Officer (Group-B) - 2 posts

7. Remarks : Continuing Scheme

Scheme No. : 2

Sector : SCIENTIFIC RESEARCH

Implementing : SCIENCE
Department : TECHNOLOGY &
ENVIRONMENT

1. Name of the scheme : Setting up of bio-technology park and Technology transfer cell.

2. Objective of the Scheme :

To achieve the socio economic objectives for the developmental needs of this Territory through the application of Science & Technology, it is proposed to set up a Bio technology park and Technology Transfer Cell in this Territory. The Bio-Technology Park will have an integrated approach on the identification of the appropriate technology, Research and Development dissemination of suitable technology to the entrepreneurs through proper training and development. The main thrust areas of Bio-Technology park are a) Agriculture b) Environment c) Animal Husbandry and d) Medicine. Necessary infrastructure will be developed to achieve the objectives. The Technology Transfer Cell will be to gather information on the advancement of the technological changes that are being taken place under different scientific disciplines all over the world and bring them to the U.T. of Pondicherry for its over all development.

3. Ninth Plan 1997-02 :

a.	1997-2000 (Actual expenditure)	:	1.80
b.	2000-2001 (Actual expenditure)	:	0.20
c.	2001-2002 (Revised outlay)	:	0.01

d. Actual physical achievements (1997-2000) :

The task of preparing a project report for setting of Bio-Technology Park was entrusted to M/s Bio-Tech Consortium India Ltd. New Delhi, @ a cost of Rs.2.00 lakhs.

e. Actual Physical Achievement (2000-01):

The final report prepared by M/s BCIL, was submitted to the govt. and action was initiated to acquire land for the proposed park.

f. Anticipated Physical Achievement (2001-02):

Land will be acquired for setting up of Biotechnology Park.

4.	Proposed Outlay for the Tenth Plan 2002-07	:	2500.00
	Proposed Outlay for the Annual Plan 2002-03	:	5.00

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

- i. Bio-Technology Park will be setup.
- ii. Purchase of Vehicle
- iii. Following Post will be created

1. Senior Scientific Officer (Group-A)	:	1 Post
2. Scientific Officer (Group-B)	:	1 Post
3. Technical Assistant (Group-B)	:	1 Post

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

Land will be acquired

7. Remarks : Continuing Scheme

Scheme No. : 3

Sector : SCIENTIFIC RESEARCH

Implementing : SCIENCE
Department : TECHNOLOGY &
ENVIRONMENT

1. Name of the scheme : Technology Information

2. Objective of the Scheme :

To fulfill the socio economic objectives for the developmental needs of this Union Territory through the application of Science and Technology, it is proposed to set up a Technology Information and forecasting cell in DSTE. The Main objectives of this cell will be disseminate the technological information's that are available at National and International levels and to forecast scientific policy for the over all development of this Territory.

3. Ninth Plan 1997-02 :

a.	1997-2000 (Actual expenditure)	:	3.26
b.	2000-2001 (Actual expenditure)	:	--
c.	2001-2002 (Revised outlay)	:	0.01

d. Actual physical achievements (1997-2000) :

Five rural knowledge centres were setup in Pondicherry in collaboration with M/s. M.S. Swaminathan Research Foundation, Chennai.

e. Actual Physical Achievement (2000-01) : --

f. Anticipated Physical Achievement (2001-02) : --

Remarks : Scheme dropped.

Sector : SCIENTIFIC RESEARCH

Implementing : SCIENCE
 Department : TECHNOLOGY &
 ENVIRONMENT

- 1. Name of the scheme** : Setting up of Rural Knowledge Centres.
- 2. Objective of the Scheme** :

The project aims at making available fruits of Information Technology resources and educate poor villagers. The information Knowledge Centres network provides information of day-to-day use to the villagers which will not only make them aware of various government programmes but also provide them access to information from all over the world which will help them to leads better livelihood. In addition to providing localized information, the proposed knowledge centres will also provide Internet connectivity in each of the villages where the centres will be located at a very low cost through innovative technology sourced by them. Besides this, the knowledge centres will be networked through wireless net which will provide center to center communication facility.

- 3. Ninth Plan 1997-02** :
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|--|---|------|
| a. 1997-2000 (Actual expenditure) | : | - |
| b. 2000-2001 (Actual expenditure) | : | 5.00 |
| c. 2001-2002 (Revised outlay) | : | 6.98 |
| d. Actual physical achievements (1997-2000) | : | |

Five rural knowledge centres were setup in Pondicherry in colloboration with M/s. M.S. Swaminathan Research Foundation, Chennai.

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|--|---|----|
| e. Actual Physical Achievement (2000-01) | : | -- |
| f. Anticipated Physical Achievement (2001-02) | : | -- |

Remarks : Scheme dropped.