

ECOLOGY & ENVIRONMENT

All the functions and powers hitherto exercised by Central Pollution Control Board have been delegated to this Administration and activities like scrutiny of Industrial applications, Monitoring and evaluation of their performances under Air, Water and Environment (Protection) Acts and issue of consents are done by the department of Science, Technology and Environment. Ambient Air quality and Aquatic Resources of Puducherry are also being monitored under the two projects viz. National Air Quality Monitoring Programme (NAMP) and National Water Monitoring Programme (NWMP) under the auspices of Central Pollution Control Board. Celebration of World Environment Day, National Environment Month, World Ozone Day, and World Conservation Day with the co-ordination of Environmental Education Cell is proposed.

Celebration of various environmental awareness activities including film shows, seminars, meetings, essay, quiz and elocution competitions, distribution of pamphlets and hand-bills, banners, pasting of stickers and broadcasting of environmental slogans through All India Radio and Doordarshan etc., among the public, school and colleges students are the various activities undertaken.

Air and Water samples are collected from industries and level of Air pollutants like suspended particulate matter (SPM) Sulphur dioxide (SO₂), Nitrogen oxide (NO₂) chlorine (Cl₂) Acid mist and Physico chemical and micro biological parameters of water pollutions are analysed in the Department's laboratory for issue of air and water contents and also whenever specific complaints about the industries are received. Cess amount is being collected from water based industries and local bodies at prescribed rates in order to check the indiscriminate consumption of water in this Union Territory of Puducherry. Vehicular exhaust and noise monitoring are also done by this Department. Research on specific environmental problems and conduct of Impact Assessment study will also form the functions.

ACHIEVEMENTS DURING 2009-10

- Puducherry Pollution Control Committee was strengthened by way of releasing Grant-in-aid (GIA).
- Regional Office with a small laboratory at Karaikal was established.
- Industrial applications were scrutinized, monitored and evaluated for their performance under air, water & environment (Protection) Acts.
- World Environment Day, World Ozone Day, National Environment Month and various awareness activities involving public, NGO's and students were organised.
- The existing laboratory was strengthened with equipments / instruments in order to have a better result in analyzing the samples collected.

LIKELY ACHIEVEMENTS DURING 2010-11

- Scrutiny of industrial applications, monitoring and evaluation of their performances under the air, water and environment (Protection) and air and water quality monitoring.
- Celebration of World Environment Day, World Ozone Day, National Environment Month and conducting of various awareness activities among public and students.
- The existing laboratory is being strengthened with highly sophisticated equipments / instruments in order to have a better result in analyzing the samples collected.
- The existing laboratory at Karaikal regional office is also strengthened.
- Hoardings – Depicting slogans / message on environment at various locations in and around Puducherry region.

PROPOSED TARGETS FOR 2011-12:

- Scrutiny of industrial applications, monitoring and evaluation of their performances under the air, water and environment (Protection) and air and water quality monitoring.
- Celebration of World Environment Day, World Ozone Day, National Environment Month and conducting of various awareness activities among public and students. Presentation of Environment Award.
- The existing laboratory will be strengthened with highly sophisticated equipments viz. Atomic Absorption Spectroscopy.
- The existing laboratory at Karaikal regional office will be strengthened.

- To disseminate information to the public through electronic mass media about the data on air and water quality of different areas of Puducherry.
- To set up a monitoring and assessment Cell to assess the performance rate of the industries on the basis of the pollution standards and suitably rate them into various categories by providing separate colour codings.
- Hoardings – Depicting slogans / message on environment at various locations in and around Puducherry region.
- Purchase of Atomic Absorption Spectroscopy (AAS). It includes Basic instrument, cylinders, valves, auto samplers, graphite furnace, hydride Generation, dual lamp facility and micro digester.
- This instrument is used for the analysis of heavy metals in water samples and air samples. Laboratory functioning in the Department of Science, Technology & Environment is monitoring surface water and ground water at 22 different locations in the U.T. of Puducherry. Analysis of heavy metals in the water/air samples are the prime basic parameters which need to be done.
- Nowadays water bodies get polluted due to indiscriminate disposal of Municipal Solid Waste on the open land & into the nearby source of water and due to improper disposal of sewage water. Moreover dumping of industrial wastes, containing heavy metals, harmful chemicals, by-products, organic toxins and oils on the land is also one of the visible causes of water pollution. Hence, it is essential to monitor heavy metals in surface water and ground water periodically. To carry out the monitoring Atomic Absorption Spectroscopy is highly required for this Department Laboratory.

OUTLAY AT A GLANCE

Sector : ECOLOGY AND ENVIRONMENT

No. of Scheme : 1

Department : SCIENCE, TECHNOLOGY & ENVIRONMENT

(₹ in lakh)

Eleventh Five Year Plan 2007-12 Approved Outlay	:	431.48
Annual Plan 2007-09 Actual Expenditure	:	109.88
Annual Plan 2009-10 Actual Expenditure	:	54.89
Annual Plan 2010-11 Approved Outlay	:	75.00
Annual Plan 2010-11 Revised Outlay	:	75.00
Annual Plan 2011-12 Proposed Outlay	:	75.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-09	Annual Plan 2009-10	Annual Plan 2010-11		Annual Plan 2011-12
		Approved Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Department of Environment / State Pollution Control Board	431.48	109.88	54.89	75.00	75.00	75.00