

## SCIENCE, TECHNOLOGY & ENVIRONMENT

### **A. SCIENCE & TECHNOLOGY PROGRAMME**

#### **1. Science and Technology Awareness Programmes – A new scheme (Rs.5.00 lakh)**

##### **Aims & Objectives of the Scheme**

1. To Promote various science and technology research projects, to promote scientific awareness among school children and general public.
2. To organize science fairs/exhibitions, to observe National Science Day, to participate in children National Science Congress and to participate in National Science congress.

##### **Outlays & Expenditure**

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		[Rs. in lakh] Annual Plan 2008-09
	Outlay	Expenditure	
Nil	Nil	Nil	5.00

### **B. ENVIRONMENT PROGRAMME**

#### **2. Grant-in-aid to Delhi Pollution Control Committee (Rs.5.00 lakh)**

##### **Aims & Objectives of the Scheme**

To provide Grant-in-aid to Delhi Pollution Control Committee for:

- i. Implementation of various Pollution Control Acts, Rules and Orders/Directions of Supreme Court on pollution issues.
- ii. Monitoring of various environmental parameters of air, water and noise pollution levels.
- iii. To conduct various studies w.r.t data generation on various environmental & pollution control components.
- iv. Financial assistance for pollution abatement/waste management in Delhi.
- v. Installation of Permanent Automatic online Ambient Air Quality Monitoring Stations with display system.

- vi. Installation of online water quality monitoring and Installation of online Ambient Noise Level System.
- vii. Inventory of Hazardous waste generation & illegal HW dump site sin Delhi.
- viii. To generates back up support and device adequate authorization procedures for Manufactures, extractors, recyclers for E-waste management and Developers for E-waste disposal facility.
- ix. Environment awareness in Industrial areas.
- x. Any other activity that goes towards improving environment in Delhi.

### **Outlays & Expenditure**

(Rs. in lakh)

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
100.00	20.00	10.00	5.00

## **II. Environment Department**

### **3. Pollution Disaster and Hazardous Waste Management (Rs. 150.00 lakh)**

**Objectives:** To handle and manage hazardous waste as per Hazardous Waste (management and handling) Rules.

### **Outlays & Expenditure**

(Rs. in lakh)

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
1800.00	1200.00	1121.67	150.00

### **4. Public Environmental awareness & other related activities (Rs.150.00 lakh)**

#### **Aims & Objectives**

Ever increasing population in Delhi has resulted in significant increase in environmental pollution thereby affecting the health of public resulting in loss of avoidable man-days. It is realized that such problems can be tackled more

effectively with cooperation of the public for which emphasis to be given to public environmental awareness activities. For this purpose, various publicity media such as newspapers, TV theatre shows, AIR. Distributing publicity materials to the public are used. Some of the successful campaigns that have helped in creating adequate awareness about environmental importance are "Greening Delhi", "Say Yes to Eco-friendly bags", "Save Yamuna", "Anti-Fire Crackers", "Waste minimization", "Play Holi with safe & Natural colours" etc.

### **Outlays & Expenditure**

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
750.00	150.00	175.76	150.00

### **5. STRENGTHENING OF TECHNICAL SET UP IN THE ENVIRONMENT DEPARTMENT (Rs. 30.00 lakh)**

#### **Objective :**

To provide infrastructure facility in the Department of Environment, Govt. of NCT of Delhi to handle the increasing workload on pollution issues are (i) To coordinate pollution control measures undertaken by various Departments in NCT of Delhi to control pollution. (ii) To implement the Govt. policies and various schemes for conservation of Environment and control of pollution in Delhi.

### **Outlays & Expenditure**

(Rs. in lakh)

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
150.00	30.00	28.25	30.00

### **6. ENVIRONMENT DATA GENERATION, SURVEY, RESEARCH PROJECT AND OTHER ACTIVITIES. (Rs. 25.00 lakh)**

#### **Aims & Objectives :**

To conduct need based environment surveys, and data generation on continuous basis on Quantum of pollutants generated from sources such as industries, vehicles, thermal power stations and effect of hazardous, toxic waste on

ground water and other water bodies. To implement the Government policies, Hon'ble Court directions and conservation of environment and control of pollution.

### **Outlays & Expenditure**

(Rs. in lakh)

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
175.00	35.00	34.55	25.00

### **7. ECO-CLUBS IN SCHOOLS/COLLEGES (Rs. 200.00 lakh)**

#### **Aims & Objectives:**

To create environmental awareness among the school and college students for environmental improvement and to inculcate the culture of Eco-friendliness among them. Under the scheme, Grant of Rs. 10,000/- to each eco-club in schools has to be released.

#### **Some of the Activities of the Eco-clubs are:-**

- To motivate the students to keep their surrounding green and clean by undertaking plantation of trees by students.
- To motivate the students to imbibe habits and life style for minimum waste generation. Source separation of waste, disposing off the waste to the nearest storage point.
- To compost horticulture waste to use it as a manure for school gardens.
- To sensitize the students to minimize the use of plastics/ polythene bags. Not to throw them in public places as they choke drains and sewers. Being non-biodegradable they cause water logging and provide breeding ground for mosquitoes.
- To organize Tree plantation programmes in schools for which Delhi forest Department provides saplings free.
- To create awareness' on harmful effect of noise and air pollution caused by bursting of crackers on Diwali, which are manufactured basically by engaging child labour, exploitation of young children.

## **Major components**

The scheme provides for setting up more number of Eco-club in schools & colleges to be set-up in addition to the 1600 existing Eco-Cubs. It is also proposed to establish Eco-club in ITI's, Polytechnics, other technical institutes etc.

### **Outlays & Expenditure**

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
900.00	180.00	202.14	200.00

### **8. Assistance to NGOs in the Promotion, Conservation and Preservation of environment (Rs. 35.00 lakh)**

#### **Aims & Objectives of the Scheme**

To promote and assist various Non-Governmental Organization in the conservation, preservation of environment and pollution control activities and to implement various programmes of Environment Department through NGOs.

To involve residence welfare association in various environmental conversation activities and provide assistance for carrying various environmental/pollution control activities/projects such as waste management water conservation, eco care programmes etc.

### **Outlays & Expenditure**

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
175.00	35.00	50.33	35.00

### **9. Involvement of Weaker sections of society in improvement & upgradation of the environment (Rs. 25.00 lakh).**

#### **Aims and Objectives**

To involve the weaker section population towards environment improvement programmes. Training as well as social security, hygienic facility, and safe waste handling to Rag pickers etc. This scheme will be implemented in association with Schools, NGOs and RWA. Under this programme, these agencies will be sensitized

about the need to train the Rag pickers/waste pickers for proper handling in connection with the garbage collection. This is expected to have a better solid waste management at the local level and also improving environmental condition locally.

**Outlays & Expenditure**

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
125.00	25.00	10.11	25.00

**10. Introduction of cleaner extracting/recycling technology for Waste and creation of Waste disposal facility (Rs. 25.00 lakh).**

**Aims and Objectives :**

The aim of the scheme is disposal of waste in landfills or by best suited technology. Under the scheme, the following activities are to be undertaken. To introduce cleaner extracting/recycling technology for all type of Waste. To provide training to personnel for safe handling & proper disposal of the E- waste. To identify an acquiring of land for E-waste disposal facility and to develop E-Waste disposal facility and to adopt new technology in the disposal of different wastes namely Plastic Waste, Mercury Waste, Solid Waste, Electronic Waste and Bio-Medical Waste.

**Outlays & Expenditure**

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
125.00	25.00	Nil	25.00

**11. Creation of Carbon Credit Facility (Rs. 10.00 lakh)**

The objective of the scheme is to create awareness regarding a carbon credits, Clean Development Mechanisms (CDMs) and green house gas emissions amongst the various agencies engaged in environmental related projects. Under this scheme comprehensive analysis/studies will be conducted about cutting down green house gas emissions and making Delhi eligible for such carbon credit facility. To become eligible for getting carbon credit by various infrastructural development agencies under clean development mechanism of Kyoto Protocol.

## Outlays & Expenditure

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
125.00	25.00	9.88	10.00

### **12. Carbon Mapping of Delhi (Rs. 10.00 lakh)**

#### **Aims and Objectives of the Scheme**

1. Identification, Collection, Estimation and Determination of source-emission of Green House Gases, Radiations, Solar Radiations, Interactive Effects of Ozone, CO<sub>2</sub> and Methane, etc. in different areas of Delhi.
2. Creation of Data Base on emission inventories and interpreting the data using statistical analysis.
3. To map the carbon sink in the city.

## Outlays & Expenditure

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
Nil	Nil	Nil	10.00

### **13. Technical and Financial Assistance for Promoting Fly Ash Utilization (Rs. 10.00 lakh)**

#### **Aims and Objectives of the Scheme**

To promote utilization of Fly Ash for clean and safe environment and to create awareness for environment through workshops/meeting/seminars on Fly Ash utilization. For this purpose, efforts will be made to make available the technical know how, expertise and assistance for promoting Fly Ash utilization and to conduct workshops /meetings/seminars on Fly Ash utilization and implementation of Fly Ash notification

### Outlays & Expenditure

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
Nil	Nil	Nil	10.00

#### **14. Assistance for Promotion of Solar Energy (Rs. 25.00 lakh)**

##### **Aims and Objectives of the Scheme**

To promote utilization of Solar Energy towards sustainable development, to involve all the stakeholders like Public Sector, Private Sectors, Eco-Clubs, NGOs, RWAs and Public in energy conservation and utilization of Solar Energy and organize various awareness activities on Solar Energy.

### Outlays & Expenditure

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
Nil	Nil	24.00	25.00

#### **15. Delhi Parks and Garden Society (Rs.200.00 lakh)**

The objective of the setting of the Delhi Parks and Garden society is towards creation of a green environment in Delhi, identification of vacant spaces for taking up greening projects, working with local bodies, taking up projects for planting trees and shrubs in avenues, involvement of Residential Welfare Associations (RWAs) in maintaining parks and gardens, giving incentives to the NGOs in taking up greening activities, release funds to RWAs and NGOs, hold competition to encourage greening and maintain nurseries and parks on its own.

The need for a unified agency for greening was felt to give a proper thrust to all greening activities in Delhi with proper focus. This would encourage people and organizations, who take up greenlining activities in local parks and gardens.

### Outlays & Expenditure

[Rs. in lakh]

Approved Outlay 11 <sup>th</sup> FYP	Annual Plan 2007-08		Annual Plan 2008-09
	Outlay	Expenditure	
Nil	Nil	Nil	200.00

