

# **ANNUAL ACTION PLAN (2003-2004)**



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# ANNUAL ACTION PLAN (2003-2004)

## 1.0 INTRODUCTION

The Central Pollution Control Board (CPCB) is a statutory organization under the aegis of the Ministry of Environment and Forests (MoEF), Govt. of India. CPCB which serves as a technical wing of MoEF and provide technical assistance to the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for implementation of the provisions of various pollution control Acts. Grants to CPCB are provided by the MoEF for Plan and Non-Plan expenditures.

During 2002-2003, the CPCB has given major thrust to; implementation on charter for Corporate Responsibility for Environmental Protection (CREP) for highly polluting industries, restoration of environmental quality in problem areas/ polluted river stretches, performance evaluation of CETPs, assessment of industrial pollution load, inventory of polluting sources, issuing of closure notices to defaulting units, sector wise inventorisation of hazardous wastes, Zoning Atlas for siting of Industries, management of MSW, analysis of special air pollutants such as load, trace metals, NH<sub>3</sub>, BTX etc, strengthening of database and retrieval system and preparation of water and air quality status reports, computerizations and networking of SPCBs/PCCs, maintenance of LAN/ WAN networks, inputs to the Environment Pollution Control Authority (EPCA) for NCR Delhi, Taj Trapezium Authority and loss of Ecology (Prevention and Control) Authority for Tamil Nadu

The on going activities include; follow-up of the implementation of the Municipal Solid Waste Management Rules, 2000, review of the National Ambient Air Quality Programme (NAMP) and the National Water Quality Monitoring programme, environmental status of metro cities, performance evaluation of sewage treatment plants in India, monitoring of benzene and PAH in Delhi, development and strengthening of RSPM monitoring, AQC for central and SPCBs/PCCs laboratories, development of emission and effluent standards under World Bank funded projects.

During 2003-04 major emphasis is proposed to be given for activities related to; updating of pollution inventory in metro cities of India, operation and maintenance of continuous air quality monitoring stations in Delhi (including BTX & PAH, monitoring in Delhi and Benzene in Kanpur), implementation of spatial environmental planning and eco cities projects at eleven cities under zoning atlas programme, development of emission and effluent standards for small scale industries, strengthening of training facilities, emphasis is given operation, maintenance and strengthening of LAN/WAN, development of infrastructure facility for measurement of hazardous organic compounds (dioxins & furans),

implementation of the Municipal Solid Waste Management (MSW) Rules, 2000 in different municipalities/ councils, implementation of the Plastic Recycling & Usage Rules, 1999, epidemiological studies, updation and addition of web-sites on different subjects, implementation of guidelines on Root Zone Treatment System (RZTS) for treatment and disposal of sewage, planning and co-ordination with SPCBs/PCCs and MoEF, implementation of the Bio medical Rules, 1998 in hospitals/ nursing homes, review and updation of pollution control technologies on highly polluting industries, inventorization, management and disposal of dry and wet batteries, financial assistance to NGO for conducting programmes on 'abatement of pollution and community action programme", identification of hazardous waste streams and conducting and organizing various mass awareness programmes relating to prevention of pollution and its solution etc.

## **2.0 FUNCTIONS OF CENTRAL POLLUTION CONTROL BOARD**

The functions of CPCB are specified under Section(16) of the Water (Prevention and Control of Pollution) Act, 1974 and under the Air (Prevention and Control of Pollution) Act, 1981. CPCB is also co-ordinating important activities under the Water (Prevention and Control of Pollution) Cess Act, 1977 and various functions as delegated upon under the Environment (Protection) Act, 1986 and Rules made thereunder. The important rules relate to; Hazardous Wastes (Management and Handling) Rules, 1989; Manufacture, Storage and Import of Hazardous Chemical Rules 1989; Bio-medical waste (Management and Handling) Rules, 1998, Recycled Plastics Manufacture and Usage Rules, 1999 and the Municipal Solid Wastes (Management and Handling) Rules, 2000.

CPCB has been associated and efforts are put into the various Committees and Authorities constituted by the Govt. 'Environment Pollution (Prevention and control) Authority' constituted for National Capital Region is one of such Committee in which CPCB has been providing significant inputs.

### **2.1 Functions of Central Board (CPCB) as specified under Section 16(2) of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 are as follow:**

- (i) Advice the Central Govt. on any matter concerning prevention and control of water and air pollution and improvement of the quality of air;
- (ii) Plan and cause to be executed a nation-wide programme for the prevention and control or abatement of water and air pollution;
- (iii) Co-ordinate the activities of the SPCBs and resolve disputes among them;
- (iv) Provide technical assistance and guidance to State Boards; carry out and sponsor investigation and research relating to problems of water and air pollution and for their prevention, control or abatement;

- (v) Plan and organise training of persons engaged in programmes on prevention, control or abatement of water and air pollution;
- (vi) Organise through mass media, a comprehensive mass awareness programme on prevention, control or abatement of water and air pollution;
- (vii) Collect, compile and publish technical and statistical data relating to water and air pollution and measures derived for their effective prevention, control or abatement;
- (viii) Prepare manuals, codes and guidelines relating to treatment and pollution and their prevention and control;
- (ix) Lay down, modify or annul, in consultation with State Governments concerned, the standards for stream or well, and lay down standards for the quality of air ; and
- (x) Perform such other functions as and when prescribed by the Govt. of India.



### 3.0 ACTIVITIES PERFORMED DURING 2002-2003

- Monitored water quality at 784 locations (covering rivers, lakes and ground water) on monthly and quarterly basis. It has been observed that nearly 60% values of 5000 observations were having BOD value less than 3 mg/l, 20-25% between 3 to 6 mg/l and remaining 15% were above 6 mg/l. Nearly half of the observations indicate coliform count more than 500 nos. per 100 ml.
- Based on water quality monitoring data, 86 polluted water bodies (rivers, lakes/tanks, etc.) have been identified for formulating action plan for restoration of water quality. These water bodies are not conforming to the desired level of water quality in respect of BOD.
- Monitoring was carried out for 35 sewage treatment plants for assessing of their performance which have been established under Ganga Action Plan.
- Assessment of ground water quality for problem areas was taken up to cover 25 acres. The assessment also included cities like Lucknow, Kanpur, Ghaziabad, Faridabad and others.
- Water quality assessment was also carried out for ponds in Kolkata, Chilka and Anusupa lake in Orissa. Monitoring of wetlands and sanctuaries was taken up at 14 sites.
- For studying the practical problem in decentralised treatment system and reuse / recycle of treated sewage alongwith harvested rain water, a pilot cum demonstration project has been taken at Auroville, Pondicherry.
- Fifty two common effluent treatment plants (CETP) were taken for assessment of performance.
- Ambient air quality monitoring at 11 locations in Delhi was carried out using mobile laboratory. Levels of SO<sub>2</sub> and NO<sub>2</sub> were recorded within the permissible limit at all locations while respirable particular matter exceeded the limits.
- Monitoring of BTX in ambient air was continued using Mobile Van fixed with continuous on-line BTX analyser at several locations in Delhi.
- Inspections of 33 authorised vehicular pollution checking centres in Delhi were made to check operation, methodology and calibration of the instruments.
- Fifty three cities / towns have been identified as non attainment cities / towns, based on air quality data. Concerned SPCBs/PCCs have been asked to identify sources of air pollution and prepare action for control of pollution.
- Provided inputs in several steps initiated for vehicular pollution control which includes, notification of norms relating to in-use vehicles, LPG vehicles, four wheel vehicles for Kanpur and Pune and blending of 5% alcohol with gasoline in nine sugar producing States and UTs.

- Provided inputs to the Auto Fuel Policy and recommended that expanding Bharat Stage II norms for entire country from 1.4.2005 and Bharat Stage III norms to 11 mega cities from 1.4.2005.
- One hundred and fifty industries were inspected to verify the compliance with the standards. Directions under section 5 were issued to 47 units to comply with standards and 64 directions issued to SPCBs/PCCs to ensure pollution control in polluting industries.
- Under 17 categories of polluting industries , number of defaulting units have come down to 22 out of 1551 units. Similarly, out of 851 defaulting units identified in 1997, there are only 5 defaulters discharging waste water into rivers.
- Environmental monitoring was carried out in the problem area of Kala-amb, Parwanoo, Gobindgarh, North-arcot and Najafgarh basin.
- Standards (liquid effluents and gaseous emission) have been evolved / reviewed in respect of vertical shaft brick kiln, refractories, hot mix plants, tea processing, petrochemicals and pesticide industries.
- Eleven sections were taken up for review of environmental statements submitted by the industries. Review of sugar industries has been completed and work relating to other sectors are in the process of finalisation.
- Noise limits for diesel generator sets (upto 1000 KVA) and emission limit for new diesel engines (upto 800 KW) have been notified.
- Compliance procedure for noise limits for generator sets run on petrol / kerosene has been finalised and compliance procedures demolished for DG set (upto 1000 KVA) is being circulated to the concerned testing agencies.
- Attempts were made to review technology options available for waste management in pulp and paper, slaughter house, ginning mills, natural dyes and sulphuric acid plants.
- Provided technical and administrative support to the environmental pollution (prevention and control) for National Capital Region, Delhi.
- Among the on-going R&D schemes, the studies taken up relating to; impact of idol immersion in river, space testing methodology for efficiency testing of auto claves used for biomedical waste treatment, determination of effluent toxicity from pulp and paper industry, development of methodology for trihalomethanes (THMS) analysis and geoaccumulation and bioaccumulation of heavy metals and pesticides have been completed.
- Guidelines for the selection of site for landfilling and waste processing technologies prepared and forwarded to SPCBs/PCCs for implementation.
- Setting of demo plant for implementation of MSW Rules at Chandigarh, North Dum Dum and New Barrackpore has been taken up.
- Many important legal matters have been dealt and a few of them includes matter pertaining to; Brick kiln, air quality monitoring at Agra, Chemical industries in Gujaraula (UP), Ganga Pollution, Noise pollution by fire crackers.

- Identification of hazardous wastes streams, their characterisation and waste minimisation in various industrial sectors. The study for pesticides, petrochemicals and dyes and dye intermediates has been completed.
- Criteria for disposal of hazardous waste in secure landfill and guidelines for collection, treatment and disposal of leachate have been developed.
- Zoning atlas for siting of industries based on environmental considerations have been prepared for 63 districts and work has been completed in respect of 73 districts.
- Industrial estate planning studies have been completed for twelve sites covering Andhra Pradesh, Punjab, Uttar Pradesh and Meghalaya.
- The work relating to mapping of sensitive zones and industrial sites has been completed for 12 States and the studies are in progress for 6 States.
- Pilot studies on regional planning are completed for Jalpaiguri and Tripura.
- Environmental management plans have been prepared for Kanpur and Agra and work is in progress for Indore, Vadodara, Bhubaneswar, Patna, Chennai and Agartala.
- Launched ecocity project for Kottayam (Kerala), Ujjain (MP) and Thirupati (AP). Proposals are under examination for other cities for Mathura —Vrindavan, Rishikesh, Puri and others.
- Environmental status have been prepared for Bangalore, Lote Parashuram Industries Area, Diu (UT), Tripura and its adjoining areas, Digha and Singrauli.
- Brought out 25 reports / documents and 7 Parivesh Newsletters.



#### 4.0 FINANCIAL OUTLAYS (ALLOCATION)

An outlay of Rs.2200.00 lakh has been sanctioned for plan expenditure during 2003-2004. Project Head wise allocations are indicated below for Head Office and Zonal Offices .

	PROJECT HEAD	ALLOCATION (Rs. in lakh)		
		Head Office	Zonal Office	Total
I	Pollution Assessment – Survey & Monitoring	460.00	47.80	507.80
II	Laboratory Management (Operation and Maintenance and R&D)	261.25	84.50	345.75
III	Development of Standards and Guidelines	100.39	2.00	102.39
IV	Training	7.00	4.50	11.50
VA	Information (Database) Management	28.25	5.00	33.25
VB	Library	11.00	2.80	13.80
VI	Pollution Control Enforcement	955.16*	28.85	984.01
VII	Pollution Control Technology	76.00	1.50	77.50
VIII	Mass Awareness, Publications & NGO Activities	79.50	3.00	82.50
IX	Hazardous Waste Management	41.00	0.50	41.50
	<b>TOTAL</b>	<b>2019.55</b>	<b>180.45</b>	<b>2200.00</b>

\* Allocation includes :

- Rs.170.00 lakh for Zoning Atlas Project
- Rs.200.00 lakh for Eco-cities Project (Fund to be released to Andhra Pradesh SPCB, Uttar Pradesh SPCB, Kerala SPCB, Madhya Pradesh SPCB, Orissa SPCB)
- Rs.100.00 lakh for construction of spatial planning building at Delhi (Fund to be released to C.C.U. of MoEF)

Total = Rs.470.00 lakh

5.0 PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)

5.1 PROJECT HEAD I - POLLUTION ASSESSMENT SURVEY & MONITORING

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD I - POLLUTION ASSESSMENT SURVEY &amp; MONITORING</b>							
1	National Water Quality monitoring programme (NWQMP) including implementation of findings of review network (on-going)	144.00	110.00 (Balance from CESS fund)	Contd.	Contd.	Contd.	Contd.
2	National Air Quality Programme (NAMP) including inclusion of toxic & critical pollutants monitoring in urban areas & critically polluted areas (on going)	240.00	208.00 (Balance from CESS fund)	Contd.	Contd.	Contd.	Contd.
3	Development of methodology for assessment of diffused pollution (on going)	2.0	2.0	Contd.	Contd.	Contd.	Contd.
4	Studies of micro pollutants in water bodies (on-going)	4.0	4.0	Contd.	Contd.	Contd.	Contd.
5	Court Matter (On going)	1.0	1.0	Contd.	Contd.	Contd.	Contd.
6	Assessment of ground water quality in five metro- cities of India (On going)	20.00	10.00 (Balance from Cess fund)	Contd.	Contd.	Contd.	Contd.
7	Updating of pollution inventory in metro-cities of India (New)	5.0	5.0	Contd.	Contd.	Contd.	Contd.
8	Epidemiological study to find the effect of air pollution on human health (on-going)	9.0	9.0	Contd.	Contd.	Contd.	Contd.
9	Development of river basin-wise pollution potential & water quality information system (New)	10.0	1.00 (Balance from cess fund)	Contd.	Contd.	Contd.	Contd.
10	Environmental status of Metro-cities (New)	1.0	1.0	Contd.	Contd.	Contd.	Contd.
11	Review of National Ambient Air Quality monitoring programme (In-house)	20.0	10.0 (Balance from Cess fund/ RE)	Contd.	Contd.	Contd.	Contd.
12	Quality assurance in air quality monitoring (New)	In house	In house	Contd.	Contd.	Contd.	Contd.
13	CETP performance studies (on going)	3.0	3.0	Contd.	Contd.	Contd.	Contd.
14	Pollution control in Electronic industry	5.0	2.0 (Balance from cess fund)	Planning	Execution	Contd.	Contd.
15	Development of guidelines for EMF Radiation (on-going)	12.0	3.0 (Balance from cess fund)	Planning	Execution	Contd.	Contd.
16	Financial Assistance scheme for SPCBs/PCCs for installation of RWH (on going)	10.0	5.0 (balance from cess fund/RE)	Planning	Execution	Contd.	Contd.

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**(Rs. in lakh)**

<b>S. No.</b>	<b>Scheme</b>	<b>Total Cost</b>	<b>Sanctioned outlay</b>	<b>1<sup>st</sup> Qtr</b>	<b>2<sup>nd</sup> Qtr</b>	<b>3<sup>rd</sup> Qtr</b>	<b>4<sup>th</sup> Qtr</b>
17	Status of waste water generation, Treatment & Disposal in Class I & II cities/ towns (New)	5.0	5.0	Planning	Executi-on	Contd.	Contd
18	Performance Evaluation of STPs in India (New)	5.0	5.0	Planning	Executi-on	Contd.	Contd
19	Sludge characterization & setting of disposal standards (new)	15.0	5.00 (balance from CESS fund)	Planning	Executi-on	Contd.	Contd
20	Microbiological quality standards for STPs (new)	35.0	15.0 (balance from CESS fund)	Planning	Executi-on	Contd.	Contd
21	Report on health studies on impact of fine particulate matter (FPM) (New)	in house	in house	Planning	Executi-on	Contd.	Contd
22	Indian Meteorological Department (IMD)- Operation & Maintenance of meteorological station at Agra	22.00	22.00	Planning	Executi-on	Contd.	Contd
23	Committed Expenditure 2002-03	34.00	34.00				
	<b>TOTAL</b>	<b>580.0</b>	<b>460.00</b>				



**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.2 PROJECT HEAD II- LABORATORY MANAGEMENT AND R & D**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD II- LABORATORY MANAGEMENT AND R &amp; D</b>							
	<b>Air Laboratory</b>						
1	Operation & Maintenance of continuous water quality – monitoring stations in Delhi (on going)	4.0	2.0	Contd.	Contd	Contd.	Contd.
2	Operation & maintenance of continuous air quality-monitoring stations in Delhi (including BTX & PAH monitoring in Delhi & Benzene) (on going)	10.0	10.0	Contd.	Contd	Contd.	Contd.
3	Quality assurance in air quality measurements (on going)	2.0	2.0	Contd.	Contd	Contd.	Contd.
4	Poly Nuclear Aromatic Hydrocarbon in Delhi (on going)	1.0	1.0	Contd.	Contd	Contd.	Contd.
5	Standardization of methodology for sampling (active & passive) & analysis of Benzene using GCMS, GC-ATD & GC-FID (on going)	2.0	2.0	Contd.	Contd	Contd.	Contd.
6	Assessment of noise level in Delhi (on going)	0.50	0.50	Contd.	Contd	Contd.	Contd.
7	Monitoring of Benzene in Delhi (on going)	1.0	1.0	Contd.	Contd	Contd.	Contd.
8	Inspection of Authorized Pollution checking center in Delhi (on going)	In house	In house	Contd.	Contd	Contd.	Contd.
9	Air quality assessment in different areas including traffic intersections in Delhi (on going)	2.0	1.0	Contd.	Contd	Contd.	Contd.
10	Studies on spatial & temporal distribution of ambient ozone in Delhi (on going)	1.0	0.50	Contd.	Contd	Contd.	Contd.
11	Development & strengthening of monitoring of ambient PM <sub>2.5</sub> at Delhi (on going)	3.0	3.0	Contd.	Contd	Contd.	Contd.
12	Standardization of methods for measurement of CS <sub>2</sub> & H <sub>2</sub> S in source emission (on going)	1.0	0.50	Contd.	Contd	Contd.	Contd.
13	NPL Research project on FOG formation mechanism as early warning system (on going)	46.0	6.0 (Balance from CESS fund or special grant from MOEF)	Contd.	Contd	Contd.	Contd.
14	Manual monitoring of ambient air quality in 5-zonal offices & Head office for reporting into television (on going)	5.0	5.0	Contd.	Contd	Contd.	Contd.

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

**(Rs. in lakh)**

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
15	Development of Certified Reference Material (CRM) of air mixture (on going)	DST fund	DST fund	Contd.	Contd.	Contd.	Contd.
16	Strengthening of monitoring network-MALE declaration	UNEP fund	UNEP fund	Contd.	Contd.	Contd.	Contd.
17	Characterization of ambient particulate matter source identification & apportionment of air pollution (New)	10.0	5.0	Planning	Contd. Of studies	Contd.	Completion
18	Rain water characterization (New)	5.0	1.0	Contd.	Contd.	Contd.	Contd.
19	Studies on dry & wet deposition (New)	1.0	1.0	Contd.	Contd.	Contd.	Contd.
20	Monitoring of Green House Gas emission (New)	3.0	1.0	Contd.	Contd.	Contd.	Contd.
21	Monitoring of air & noise due to Metro Rail (New)	1.0	0.50	Contd.	Contd.	Contd.	Contd.
	<b>Sub Total</b>	<b>98.50</b>	<b>43.00</b>				
	<b>Water Laboratory</b>						
22	AQC for Central & SPCBs & PCCs & for labs recognized under EP Act (on going)	2.0	2.0	Contd.	Contd.	Contd.	Contd.
23	Testing & validation of BOD bio-sensor based on microbial mixed culture for rapid BOD determination with CBT, CSIR, Delhi (on going)	1.0	1.0	Contd.	Contd.	Contd.	Contd.
24	Development & standardization of soil & solid waste analysis for AQC (on going)	1.0	1.0	Contd.	Contd.	Contd.	Contd.
25	A comparative studies on methodology of analysis and characterization of Hazardous Waste (on going)	1.0	1.0	Contd.	Contd.	Contd.	Contd.
26	Ground water quality of Delhi, NCT (New)	2.0	2.0	Contd.	Contd.	Contd.	Contd.
27	Technology development of specific microbial packages for treatment of paper & pulp industrial waste water	DBT	DBT	Contd.	Contd.	Contd.	Contd.
28	Development of CRM of toxic metals in industrial effluent	DST	DST	Contd.	Contd.	Contd.	Contd.
29	Development & distribution of water testing kits (WTK)	1.00	1.00	Contd.	Contd.	Contd.	Contd.
	<b>Sub Total</b>	<b>8.00</b>	<b>8.00</b>				
	<b>Bio Science Laboratory</b>						
30	Bio monitoring of Rivers/lakes for assessment of water quality (on going)	0.50	0.50	Contd.	Contd.	Contd.	Contd.

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
31	Bio monitoring of River Ganga and its tributaries (New)	2.40	1.50	Contd	Contd	Contd.	Contd.
32	Water quality assessment through bio monitoring of major wetlands in wildlife habitats of India (on-going)	2.0	2.0	Contd	Contd	Contd.	Contd.
33	Development of toxicity based standard for hospital waste treatment by spore testing method (on going)	2.0	1.0	Contd	Contd	Contd.	Contd.
34	Efficiency testing of autoclaves used for hospital waste treatment by spore testing method (on going)	0.50	0.50	Contd	Contd	Contd.	Contd.
35	Bio monitoring of some perennial rivers of Assam and Meghalaya (on-going)	2.25	1.75	Contd	Contd	Contd.	Contd.
36	Phytoremediation of particulate matter for ambient environment through dust capturing plant species (on-going)	1.25	1.25	Contd	Contd	Contd.	Contd.
37	Development of microbial standard for disposal of waste water (on-going)	PCI-I	PCI-I/ PAMS (Sr. No. 20 of P. Head I)	Contd	Contd	Contd.	Contd.
38	Water quality monitoring of Yamuna (on going)	NRCD	NRCD	Contd	Contd	Contd.	Contd.
39	Performance study of STP in Delhi & Haryana (on going)	NRCD	NRCD	Contd	Contd	Contd.	Contd.
40	Performance monitoring of oxidation pond based STP in U.P. under YAP	NRCD	NRCD	Contd	Contd	Contd.	Contd.
	<b>Sub Total</b>	<b>10.90</b>	<b>8.50</b>				
	<b>Treatability Laboratory</b>						
41	Air micro flora in Delhi (on going)	2.0	2.0	Contd	Contd	Contd.	Contd.
42	Projects on Sludge reagent product (SRP)	15.0	15.0	Contd	Contd	Contd.	Contd.
43	Enzymatic removal of trace aromatic compound from drinking water by immobilized perodiases (on going)	2.0	1.0	Contd	Contd	Contd.	Contd.
44	Removal of toxicity from industrial waste water using selective-chemical treatment methods (oxone, H2O2, Fenton reagent) (New)	2.0	1.0	Contd	Contd	Contd.	Contd.
	<b>Sub Total</b>	<b>21.00</b>	<b>19.00</b>				

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
	<b>Instrumentation Laboratory</b>						
45	Standardization of methodology for measurement of certain hazardous organic compounds (PCBs)	2.0	2.0	Contd	Contd	Contd.	Contd.
46	Development of metal reference standards	0.50	0.50	Contd	Contd	Contd.	Contd.
47	Development of standardization of methodology for measurement of Trihalomethanes (THMs) in drinking water (on going)	2.0	1.0	Contd	Contd	Contd.	Contd.
48	Characterization of industrial effluents for absorbable organic halides (AOX) in selected industries (on going)	1.50	0.75	Contd	Contd	Contd.	Contd.
49	Geo-accumulation & bio accumulation of heavy metals & pesticides in soil & crop vegetation during waste water irrigation (New)	0.50	0.50	Contd	Contd	Contd.	Contd.
50	Development of infrastructure facilities for measurement of Hazardous organic compounds-Dioxin (PCDDs) & Furans (PCDFs) (New)	45.0	20.0 (rest from cess fund)	Contd	Contd	Contd.	Contd.
51	Characterisation of compost quality and its application in agriculture .	PCP	PCP	Contd	Contd	Contd.	Contd.
	<b>Sub Total</b>	<b>51.50</b>	<b>24.75</b>				
	<b>Infrastructure Laboratories- General</b>						
52	World Bank Project (On going)	3.0	3.0	Contd	Contd	Contd.	Contd.
53	Calibration of instruments under NABL Programmes	3.0	3.0	Contd	Contd	Contd.	Contd.
54	NABL- Lab. Accreditation activities (on going)	15.0	10.0	Contd	Contd	Contd.	Contd.
55	Ecomark Scheme (on going)	2.0	1.0	Contd	Contd	Contd.	Contd.
56	Upgradation of Labs (on going)	30.0	15.0 (balance from CESS fund)	Contd	Contd	Contd.	Contd.
57	Procurement of instruments, equipment for various laboratories/ Monitoring stations	150.0	75.0 (balance from CESS fund)	Contd	Contd	Contd.	Contd.
58	Maintenance of labs (Electricity water, telephone, fax, etc.)	25.0	25.0	Contd	Contd	Contd.	Contd.
59	Indo-GTZ projects (Services)	2.0	1.0	Contd	Contd	Contd.	Contd.
60	Committed Expenditure 2002-03	25.00	25.00				
	<b>Sub Total</b>	<b>255.00</b>	<b>158.00</b>				
	<b>TOTAL</b>	<b>444.90</b>	<b>261.25</b>				

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

**5.3 PROJECT HEAD III- DEVELOPMENT OF STANDARDS & GUIDELINES**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD III- DEVELOPMENT OF STANDARDS &amp; GUIDELINES</b>							
<b>PCI-I</b>							
1	Development of emission standards for oil refinery (on going)	0.25	0.25	Contd	Contd	Contd.	Contd.
2	Development of emission standards for fertilizer industry	2.10	2.10	Contd	Contd	Contd.	Contd.
3	Review of emission & effluent standards & solid waste management practices for dyes & dyes intermediate industries (New)	12.0	5.0	Contd	Contd	Contd.	Contd.
<b>World Bank Project :</b>							
4	Guidelines/strategy for development of standards & their implementation	WB fund	WB fund	Contd	Contd	Contd.	Contd.
5	Review of effluent standards & development of Emission standards for basic organic chemical manufacturing industry	WB fund	WB fund	Contd	Contd	Contd.	Contd.
6	Review of Ambient Air Quality Standards	WB fund	WB fund	Contd	Contd	Contd.	Contd.
7	Development of Emission standards for bulk drug industry	WB fund	WB fund	Contd	Contd	Contd.	Contd.
8	Development of Emission standards for paint industry	WB fund	WB fund	Contd	Contd	Contd.	Contd.
9	Preparation of Guidelines for incineration of industrial waste & development of design criteria & emission standards	WB fund	WB fund	Contd	Contd	Contd.	Contd.
10	Development of Emission standards & review of effluent standards for Oil Refinery	WB fund	WB fund	Contd	Contd	Contd.	Contd.
<b>PCI-II</b>							
11	Development of clean technology & Environmental standards for Iron ore mining (on going)	1.90	1.90	Contd	Contd	Contd.	Complition
12	Study of Environmental problems of Aravali Hills	1.10	1.10	Contd	Contd	Contd.	Complition
13	Estimation & inventory of VOC in Ambient Air in Metro-cities (on going)	8.0	8.0	Contd	Contd	Contd.	Complition
14	Stationary noise level measurement for new motor vehicles (on going)	8.0	8.0	Contd	Contd	Contd.	Complition
15	Compliance testing of noise standards for fire crackers	0.50	0.50	Contd	Contd	Contd.	Complition
16	COINDS for mini Cement Plants (on going)	0.50	0.50	Contd	Contd	Contd.	Complition
17	Development of Emission standards for fire crackers (new)	2.0	2.0	Planning	Contd	Contd.	Complition

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
18	Study of impact of Asbestos on Human Health (on going)	8.50	8.50	Contd	Contd	Contd.	Complition
19	Development of Guidelines & operating parameters for common waste treatment facility for bio medical waste	2.50	2.50	Contd	Contd	Contd.	Complition
20	Development of NOx emission standards from coal/ ignite base power plants (on going)	2.30	2.30	Contd	Contd	Contd.	Complition
	PCI-III						
21	Revision of COINDS for large pulp & paper industries (on going)	3.0	3.0	Contd	Contd	Contd.	Complition
22	Revision of COINDS for small pulp & paper industries (on going)	3.0	3.0	Contd	Contd	Contd.	Complition
23	Development of standards for Gelatin & Glue industries	2.30	2.30	Contd	Contd	Contd.	Complition
24	COINDS for tea processing industry	1.0	1.0	Contd	Contd	Contd.	Complition
25	COINDS for Coffee processing industry (on going)	0.10	0.10	Contd	Contd	Contd.	Complition
	<b>PLS</b>						
26	Development of standards for emission for Pulse making(including chana dal) mills & dry rice grinding (on going)	11.50	4.74	Contd	Contd	Contd.	Complition
27	Development of COINDS on X-ray machine & photographic laboratory, environmental standards for effluent & emission & environmentally sound practice	11.0	5.00	Contd	Contd	Contd.	Complition
28	Development of Environmental standards, stack height regulation & good practice for producer gas plants & Bio mass gasifier (New)	13.0	6.0	Planning	Contd	Contd.	Complition
29	Development of Environmental standards for Zn recovery (from galvanized MS sheets etc.) industry (New)	6.50	2.0 (Balance from CESS fund)	Planning	Contd	Contd.	Complition
30	Inventorization of Small-scale industries (SSI) (New)	5.0	5.0	Planning	Contd	Contd.	Complition
31	Technology development, design & demonstration for lime kilns	4.0	2.0	Planning	Contd	Contd.	Complition
32	Preparation of COINDS for soaps & detergents (on going)	12.0	3.60	Planning	Contd	Contd.	Complition
33	Environmental standards for automobile service stations, bus depots & workshops (including disposal of waste oil) (new)	5.0	3.0	Planning	Contd	Contd.	Complition
34	COINDS for bullion industry	5.0	2.0	Planning	Contd	Contd.	Contd
35	Committed Expenditure 2002-03	15.00	15.00				
	<b>TOTAL</b>	<b>147.05</b>	<b>100.39</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.4 PROJECT HEAD IV- TRAINING**

(Rs.in lakh)							
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD IV- TRAINING</b>							
1	Organizing training programme & strengthening of training facilities	10.0	5.0 (Balance from W.B. Project)	Planning	Contd	Contd.	Contd
2	Sponsoring for training & workshop	2.0	2.0	Planning	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>12.00</b>	<b>7.00</b>				



**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.5 PROJECT HEAD V(A)- IINFORMATION (DATA BASE) MANAGEMENT**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD V(A)- IINFORMATION (DATA BASE) MANAGEMENT</b>							
1	Preparation of water and air quality reports-procurement of CD ROMs, stationery conveyance, honorarium, training, anti- virus software	1.0	1.0	Planning	Contd	Contd.	Contd
2	Operation and maintenance of computer hardware and peripherals & LAN (procurement of DATs, I/O Boxes etc.)	6.50	4.0	Planning	Contd	Contd.	Contd
3	AMC of air conditioners in computer lab, office and Committee Room	0.30	0.30	Planning	Contd	Contd.	Contd
4	Procurement and enhancement of battery back up of UPS & accessories of photo copier etc.	0.50	0.50	Planning	Contd	Contd.	Contd
5	Information/ Data transmission & retrieval through computer network- MTNL charges including ISDN for internet	4.70	4.0	Planning	Contd	Contd.	Contd
6	Development of an integrated software with modules on Public Complaints, Legal Matters, Parliamentary Questions and Plan Allocation & Expenditure of CPCB	0.60	0.60	Planning	Contd	Contd.	Contd
7	Development of integrated software for finance & accounting	-	-	Planning	Contd	Contd.	Contd
	Development of an integrated software for creating environmental data bank	12.00	12.00	Planning	Contd	Contd.	Contd
8	Web-site redesigning	0.35	0.35	Planning	Contd	Contd.	Contd
9	Training of web designing and programming	0.50	0.50	Planning	Contd	Contd.	Contd
10	Committed Expenditure 2002-03	5.00	5.00				
	<b>TOTAL</b>	<b>31.45</b>	<b>28.25</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.6 PROJECT HEAD V(B) – LIBRARY**

(Rs.in lakh)							
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD V(B) – LIBRARY</b>							
1	Subscription of journals periodicals	8.0	4.0	Planning	Contd	Contd.	Contd
2	Purchase of books, Newspaper/ magazine.	3.0	2.0	Planning	Contd	Contd.	Contd
3	Committed Expenditure 2002-03	5.00	5.00				
<b>TOTAL</b>		<b>16.00</b>	<b>11.00</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.7 PROJECT HEAD VI- POLLUTION CONTROL ENFORCEMENT**

								(Rs. in lakh)
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr	
<b>PROJECT HEAD VI- POLLUTION CONTROL ENFORCEMENT</b>								
<b>ESS Activity</b>								
1	Salaries of ESS activities (Directors, Additional Directors and project staffs)	33.0	33.0	Contd	Contd	Contd.	Contd	
2	Training Programme on Environment Surveillance for CPCB/SPCBs/PCCs at Bangalore, Bhopal, Kolkata, Kanpur and Vadodara (New)	5.0	2.0	Contd	Contd	Contd.	Contd	
3	Environment compliance and Enforcement (USEPAs Programme) (New)	1.0	1.0	Contd	Contd	Contd.	Contd	
4	Monitoring of Compliance in 17 categories of industries (on going)	3.0	3.0	Contd	Contd	Contd.	Contd	
5	Monitoring of Compliance in grossly polluting industries along the rivers and lakes (on going)	0.50	0.50	Contd	Contd	Contd.	Contd	
6	Surprise inspection of polluting industries (on going)	1.0	1.0	Contd	Contd	Contd.	Contd	
7	Monitoring of ESS programme of SPCBs/PCCs (on going)	0.50	0.50	Contd	Contd	Contd.	Contd	
8	Ensuring self-monitoring of the emission/discharge in 17 categories of industries (on going)	0.50	0.50	Contd	Contd	Contd.	Contd	
9	Inventorization of red category industries other than 17 categories (on going)	0.50	0.50	Contd	Contd	Contd.	Contd	
10	Pollution control in Problem areas (on going)	1.0	1.0	Contd	Contd	Contd.	Contd	
11	Environmental monitoring in problem areas of Kala-Amb, Parwanoo, Gonvindgarh, North Arcot and Najafgarh drain basin (on going)	Under cess scheme	Under cess scheme	Contd	Contd	Contd.	Contd	
12	Chlorine use and its optimization (on going)	1.50	1.50	Contd	Contd	Contd.	Contd	
<b>PCI-I</b>								
13	Development of common criteria for classifying industry	0.50	0.50	Contd	Contd	Contd.	Contd	
14	Status & prospects of natural dyes in India (on going)	4.0	2.0	Contd	Contd	Contd.	Contd	
15	Performance evaluation study of air quality models (on going)	4.0	1.0	Contd	Contd	Contd.	Contd	

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
16	Preparation of manuals for conducting air quality modeling studies (New)	0.10	0.10	Contd	Contd	Contd.	Contd
17	Evaluation of Plumerise equations (New)	5.0	1.0	Contd	Contd	Contd.	Contd
	<b>Zoning Atlas</b>						
18	Zoning Atlas project	486.00	170.00 (Balance from CESS fund/ RE)	Contd	Contd	Contd.	Contd
19	Eco cities Project	920.00	200.00 (Balance from CESS fund/ RE)	Planning	Contd	Contd.	Contd
	<b>PCI-II</b>						
20	Implementation of bio-medical waste rules, thermal power plant, cement industries. Pb & Zn industries, aluminum and vehicle emission	4.0	4.0	Contd	Contd	Contd.	Contd
21	National Task force for implementation of standards in iron & steel thermal power plants, Cement, Asbestos & Aluminum industries (on going)	4.0	4.0	Contd	Contd	Contd.	Contd
22	Implementation of recommendations on CREP (Task force meetings, visits etc.)	20.0	20.0	Contd	Contd	Contd.	Contd
23	Committee on vehicular Pollution Control 2005 (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
24	National Committee on Noise Pollution Control.	1.0	1.0	Contd	Contd	Contd.	Contd
25	Standing Committee on Genset Emission.	1.0	1.0	Contd	Contd	Contd.	Contd
26	Expert Committee on Odour Pollution & its control	1.0	1.0	Contd	Contd	Contd.	Contd
	<b>PCI-III</b>						
27	Development of Guidelines for water conservation in pulp & paper industry	2.0	2.0	Contd	Contd	Contd.	Contd
28	Color removal through Electro flocculation of back liquor from agro based pulp & paper mills	0.50	0.50	Contd	Contd	Contd.	Contd
29	Odour control in distilleries (on going)	2.0	2.0	Contd	Contd	Contd.	Contd
30	Odour control in pulp & paper industry (New)	1.0	1.0	Planning	Contd	Contd.	Contd
31	Waste management in Soya Industry (on going)	1.0	1.0	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
	<b>PLS</b>						
32	Expenses on legal matter seeking expert advice & other contingent expenditure	3.0	3.0	Contd	Contd	Contd.	Contd
33	Upgradation of CPCB publication entitled pollution control Acts, Rules & notification issued there under.	1.0	1.0	Contd	Contd	Contd.	Contd
34	Compilation of detailed status on Court case \ filed under Environmental acts.	0.50	0.50	Contd	Contd	Contd.	Contd
35	Impact of enactment of Environmental Legislation on Environment, Economy & Trade	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>PCP</b>						
36	Planning & co-ordination with SPCBs/PCCs, Cess & Parliamentary matter (on going)	5.0	5.0	Contd	Contd	Contd.	Contd
37	Management of Municipal Solid Wastes: follow up and studies (on going)						
a	Setting up of Model facilities for Demonstration of management of Municipal Solid Wastes for Implementation of the Municipal Solid Wastes (Managing and Handling) Rules, 2000. (on going)	175.0	97.58 (Balance from R.E./CESS)	Plann- ing	Execut- ion	Contd.	Contd
b	Characterization of compost quality, evolution of guidelines & standards including application of compost on agricultural crops IARI (on-going)	2.0	2.0	Contd	Contd	Contd.	Comple- tion
c	Characterization of compost quality (made out of MSW) and evolution of guidelines & standards (on going) NEERI	2.0	2.0	Contd	Contd	Contd.	Comple- tion
d	Anaerobic digestion of domestic solid waste (on going) IITD	0.73	0.73	Contd	Contd	Contd.	Comple- tion
e	Status of Municipal Solid Wastes generation, collection & disposal of Metro, Class-I and II cities/ towns (new)	MoEF fund	MoEF fund	Plann- ing	Execut- ion	Contd.	Contd
f	Assessment of health of municipal staff handling MSW (new)	MoEF fund	MoEF fund	Plann- ing	Execut- ion	Contd.	Contd
g	Estimation of Green House Gases in & around MSW dumpsites (under CMD project- climate change) (new)	MoEF fund	MoEF fund	Plann- ing	Execut- ion	Contd.	Contd
h	Study on economic viability of MSW management (on going)	3.0	2.0	Plann- ing	Execut- ion	Contd.	Comple- tion

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs. in lakh)							
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
38	Implementation of Recycled & Plastic manufacture Usage Amendment Rules, 2002 in State / UTs-follow up & studies (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
39	Planning & co-ordination: Schemes on prevention & control of pollution						
a	Co-ordination with SPCBs/PCCs on specific programme on prevention & control of pollution	20.0	5.0	Contd	Contd	Contd.	Contd
40	<b>Maintenance of Laboratory Building at 'Parivesh Bhawan' including mobile vans</b>						
a)	Maintenance of Parivesh Bhawan Building (Civil work & procurement of electrical equipment), MCD Tax, water consumption bills, BSES Yamuna Power Ltd. bills, telephone bills, maintenance of lift & lift stabilizers, maintenance of EPABX system, Security services etc.	45.0	45.0	Contd	Contd	Contd.	Contd
b)	Upgrading of security aids & lighting system	2.0	2.0	Contd	Contd	Contd.	Contd
c)	Construction of Security cabin & modernization of main entrance	1.0	1.0	Contd	Contd	Contd.	Contd
d)	Development of lawn & plantation	1.0	1.0	Contd	Contd	Contd.	Contd
e)	Implementation of energy audit recommendation like conservation of high energy consuming lights with energy saving lights	2.0	2.0	Contd	Contd	Contd.	Contd
f)	Modernization of two nos. of existing elevators of Olympus makes	20.0	20.0	Contd	Contd	Contd.	Contd
g)	Providing emergency light points in the lab. & rooms	0.25	0.25	Contd	Contd	Contd.	Contd
h)	Renovation of halls	2.0	2.0	Contd	Contd	Contd.	Contd
i)	Renovation & furnishing of reception area	2.50	1.50	Contd	Contd	Contd.	Contd
j)	Fuel & maintenance charges for vehicles to be used for various visits/ inspection/ monitoring/ attending meeting etc. strengthening/ augmentation of transfer fee.	20.0	12.00	Contd	Contd	Contd.	Contd
k)	Procurement of 380 KVA D.G. Set with acoustic enclosure	20.0	10.0	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
l)	Introduction of street compounds & room solar lighting system	2.0	2.0	Contd	Contd	Contd.	Contd
m)	Overhauling & Upgradation of electric substation.	2.0	2.0	Contd	Contd	Contd.	Contd
n)	Construction of Centre for Spatial Environmental Planning Building at CPCB, head office, Delhi.	100.0	100.0	Contd	Contd	Contd.	Contd
o)	Construction of ZO, Vadodara	70.0	70.0	Contd	Contd	Contd.	Contd
p)	Construction of ZO, Kolkata	20.0	20.0	Contd	Contd	Contd.	Contd
q)	Construction of ZO, Bhopal	50.0	50.0	Contd	Contd	Contd.	Contd
	<b>AS Section</b>						
41	National & Regional level Chairmen & Member Secretaries Conference	4.0	4.0	Contd	Contd	Contd.	Contd
42	Redressal of public complaints	1.0	1.0	Contd	Contd	Contd.	Contd
43	Board Meeting (TA/DA of Members)	1.50	1.50	Contd	Contd	Contd.	Contd
44	Committed Expenditure 2002-03	30.00	30.00				
	<b>TOTAL</b>	<b>2115.58</b>	<b>955.16</b>				



**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.8 PROJECT HEAD VII- POLLUTION CONTROL TECHNOLOGY**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD VII- POLLUTION CONTROL TECHNOLOGY</b>							
<b>PCI-I</b>							
1	Review on Control Technologies & preparation of guidelines for reduction of SO <sub>2</sub> emission in sulphuric acid plants (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
2	Organising training programme for the officers of Central and State Pollution Control Boards on risk management in chemical industries (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
3	Comprehensive Approach for management of sewage (on going)	-	-	Contd	Contd	Contd.	Contd
4	Development of technologies for pollution control on selected drugs manufacturing units (on going)	5.50	1.0	Contd	Contd	Contd.	Contd
5	Status of water treatment technologies including consumption of chemical/ disinfectants in water treatment plants& management of waste water (on going)	10.0	2.0	Contd	Contd	Contd.	Contd
6	Risk assessment in Petrochemical plants & oil refineries (New)	14.0	3.0	Contd	Contd	Contd.	Contd
7	Review of mathematical models for water quality management in lakes, ponds & estuaries (on going)	3.50	1.0	Contd	Contd	Contd.	Contd
8	Training for Central & State Pollution Boards on land application of biodegradable waste water (on going)	1.50	1.0	Contd	Contd	Contd.	Contd
9	Study of Environmental contamination with polychlorinated dioxins viz. TCPDs	20.10	10.65	Contd	Contd	Contd.	Contd
10	Study on status & prospectus of odour control in organic chemical industries in India (on going)	6.0	3.60	Contd	Contd	Contd.	Contd
11	Development of procedure to ensure emergency preparedness in chemical industries (on going)	4.0	2.0	Contd	Contd	Contd.	Contd
12	Application of reverse osmosis technology for treatment & recycling of water & wastewater (on going)	3.0	1.0	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
13	Review of technological options for reduction of toxicity factor in treated and untreated effluent from the pesticide industries	10.47	2.0 (Balance from CESS fund)	Contd	Contd	Contd.	Contd
14	Inventorization of persistent organic pollutants (POPs) in India (on going)	6.0	2.0	Contd	Contd	Contd.	Contd
	<b>PCI-II</b>						
15	Workshop on Biomedical waste management	1.0	1.0	Contd	Contd	Contd.	Contd
16	Control of fugitive emission from cement manufacturing	11.0	6.0	Contd	Contd	Contd.	Contd
17	Assessment of mercury, lead, arsenic & fluoride emission from coal based thermal power plants	4.40	4.40	Contd	Contd	Contd.	Contd
	<b>PCI-III</b>						
18	Root zone treatment technology/systems	2.0	2.0	Contd	Contd	Contd.	Contd
19	Study of Root zone technology at STP in Haridwar	1.0	0.50	Contd	Contd	Contd.	Contd
20	Environmental Surveillance Squad (ESS) for pulp & paper, sugar, distillery etc. (on going)	5.0	3.0	Contd	Contd	Contd.	Contd
21	Guidelines for application of treated effluent from pulp & paper mills using high rate evaporation system (HRTS)	10.0	3.0	Contd	Contd	Contd.	Contd
22	Guidelines for utilization of spent wash for composting	5.0	2.0	Contd	Contd	Contd.	Contd
23	Guidelines for utilization of effluent from pulp & paper mills for irrigation purpose	5.0	2.0	Contd	Contd	Contd.	Contd
24	Viable scale of operation of pulp & paper industries & waste treatment options including chemical recovery plant to achieve the environmental standards	3.0	3.0	Contd	Contd	Contd.	Contd
25	Potential application of Team process for Bio-methanation of different type of Agro solid waste	0.25	0.25	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
	<b>PLS</b>						
26	Compilation of MSMD of the 632 chemicals (gases, liquid/solid) listed under the manufacturing, storages & import of Hazardous Chemical Rules, 1989 (new)	3.0	1.0	Planning	Contd	Contd.	Contd
27	Decentralised & cost effective treatment system for waste water at Auroville	6.0	2.40 (Balance from CESS fund)	Planning	Contd	Contd.	Contd
28	Demonstrations of treatment technologies for solid waste disposal in tanneries sector	5.40	1.20	Planning	Contd	Contd.	Contd
29	Common Chrome recovery plant Kanpur	5.0	1.0	Planning	Contd	Contd.	Contd
33	Guideline for decentralized sewage treatment system in town planning	2.0	1.0	Planning	Contd	Contd.	Contd
34	Comparative study of economic advantages of centralized & decentralized sewage treatment plant	2.0	1.0	Planning	Contd	Contd.	Contd
35	Committed Expenditure 2002-03	10.00	10.00				
	<b>TOTAL</b>	<b>167.12</b>	<b>76.00</b>				



**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.9 PROJECT HEAD VIII- MASS AWARENESS & PUBLICATION, NGO ACTIVITIES**

								(Rs. in lakh)
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr	
<b>PROJECT HEAD VIII- MASS AWARENESS &amp; PUBLICATION, NGO ACTIVITIES</b>								
<b>PR Cell</b>								
1	Participation in exhibition	2.0	2.0	Planning	Contd	Contd.	Contd	
2	Audio-visual programs/ mass awareness programs	5.0	5.0	Planning	Contd	Contd.	Contd	
3	Advertisement (DAVP)	5.0	5.0	Contd	Contd	Contd.	Contd	
4	Pollution informatibn center	3.0	3.0	Contd	Contd	Contd.	Contd	
5	Publication of Technical report	40.0	40.0	Contd	Contd	Contd.	Contd	
6	Infrastructure Development	3.0	3.0	Contd	Contd	Contd.	Contd	
7	Meeting Expenses	3.0	3.0	Contd	Contd	Contd.	Contd	
<b>AS Section</b>								
8	Financial assistance to NGO for conducting programs on "Abatement of pollution" Committee Action Plan	2.0	2.0	Contd	Contd	Contd.	Contd	
9	Distribution of WTKs/ Publications	Water lab (P.H. II)	Water lab (P.H. II)	Contd	Contd	Contd.	Contd	
10	Training program for NGOs on prevention & control of pollution (through zonal offices)	4.0	4.0	Contd	Contd	Contd.	Contd	
11	Interaction with NGOs	1.0	1.0	Contd	Contd	Contd.	Contd	
<b>Hindi Section</b>								
12	Hindi steno typing training	0.10	0.10	Contd	Contd	Contd.	Contd	
13	Hindi noting-drafting incentive scheme	0.10	0.10	Contd	Contd	Contd.	Contd	
14	Hindi workshop	0.10	0.10	Contd	Contd	Contd.	Contd	
15	Hindi Diwas Programme	0.10	0.10	Contd	Contd	Contd.	Contd	
16	Organising Programms of Hindi Diwas at Zonal Offices	0.30	0.30	Contd	Contd	Contd.	Contd	
17	Purchase of Dictionary (Hindi)	0.10	0.10	Contd	Contd	Contd.	Contd	
18	Purchase of computer & bilanguage computer & software	0.40	0.40	Contd	Contd	Contd.	Contd	
19	Participation in training programme	0.20	0.20	Contd	Contd	Contd.	Contd	
20	Miscellaneous	0.10	0.10	Contd	Contd	Contd.	Contd	
21	Committed Expenditure 2002-03	10.00	10.00					
<b>TOTAL</b>		<b>79.50</b>	<b>79.50</b>					

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.10 PROJECT HEAD IX- HAZARDOUS WASTE MANAGEMENT**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>PROJECT HEAD IX- HAZARDOUS WASTE MANAGEMENT</b>							
<b>PCI-I</b>							
1	Identification of Hazardous waste streams, their characterization & waste minimization option in bulk Drug & pharmaceutical sector (on going)	2.50	2.50	Contd	Contd	Contd.	Contd
2	Expert committee meeting on various project (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
3	Co-ordination with SPCBs on Hazardous Waste Management (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
4	Implementation of various standards in soda ash. Caustic soda, man made fiber industry & oil drilling operations (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
5	Identification of Hazardous waste streams their characterization in Aluminum & iron & steel sector (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
6	Preparation of National Guidelines for common hazardous waste treatment & disposal facilities (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
7	Assessment of Environmental management system in waste reprocessing industries (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
8	COINDS on Technology for reprocessing of waste oil/used oil (on going)	2.50	2.50	Contd	Contd	Contd.	Contd
9	Inventorization of Hazardous waste generating as per amended (New)	3.0	3.0	Planning	Contd	Contd.	Contd
10	Hazardous waste- stream identification & their characterization & treatment/ disposal for some industrial process (new)	5.0	5.0	Planning	Contd	Contd.	Contd
11	Review of standards for caustic soda & soda ash units (new)	1.50	1.50	Planning	Contd	Contd.	Contd
12	Training to SPCBs on Hazardous waste management & laboratory analysis & characterization of Hazardous waste	5.0	2.0	Planning	Contd	Contd.	Contd
<b>AS Section</b>							
13	Development of common facility for treatment, storage & disposal of hazardous wastes in Orissa	13.0	10.0	Planning	Contd	Contd.	Contd
14	Committed Expenditure 2002-03	10.00	10.00				
<b>TOTAL</b>		<b>47.00</b>	<b>41.00</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.11 ZONAL OFFICE BANGALORE**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
	<b>Zonal Office- Bangalore</b>						
	<b>Project Head-I</b>						
1	WQM of lakes (on going)	1.0	0.25	Contd	Contd	Contd.	Contd
2	Ambient air quality monitoring in Bangalore city	2.0	1.0	Contd	Contd	Contd.	Contd
3	Ground water quality monitoring in problem areas	2.0	1.0	Contd	Contd	Contd.	Contd
4	BTX analysis at traffic intersections of city of Bangalore		1.0	Contd	Contd	Contd.	Contd
5	Surveillance of NAAQM stations	0.50	0.50	Contd	Contd	Contd.	Contd
6	Surveillance of MINAR stations	0.50	0.50	Contd	Contd	Contd.	Contd
7	Noise monitoring & frequency analysis at crossing in city of Bangalore	1.0	0.50	Contd	Contd	Contd.	Contd
8	Water quality monitoring of polluted stretch of river Godavari	1.0	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-II</b>						
9	O&M mobile laboratory	2.0	2.0	Contd	Contd	Contd.	Contd
10	Development of stationery laboratory	15.0	15.0	Contd	Contd	Contd.	Contd
	<b>Project Head-IV</b>						
12	Organsing & attending training	2.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head-V(A)</b>						
13	Data base management	2.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head-V(B)</b>						
14	Development of library	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-VI</b>						
15	Development of office infrastructure	5.0	1.0	Contd	Contd	Contd.	Contd
16	Verification of compliance of standards	2.0	2.0	Contd	Contd	Contd.	Contd
17	Follow up of court cases	1.0	0.50	Contd	Contd	Contd.	Contd
18	Monitoring of Bio medical waste	2.0	1.0	Contd	Contd	Contd.	Contd
19	A0x determination in specific industry	1.0	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-VIII.</b>						
21	Mass awareness programme	0.60	0.30	Contd	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>41.10</b>	<b>30.05</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.12 ZONAL OFFICE BHOPAL**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>Zonal Office-Bhopal</b>							
<b>Project Head-I</b>							
1	Surveillance of ambient air and water quality monitoring stations & associated laboratory facilities under NAMP & MINARS	0.50	0.25	Contd	Contd	Contd.	Contd
2	Monitoring of water quality in water bodies during mass bathing in Sinhasth 2004 at Ujjain	1.0	1.0	Contd	Contd	Contd.	Contd
3	Detailed survey of problem areas Pali & Jodhpur to assess the improvement due to implementation of Action Points	1.0	0.50	Contd	Contd	Contd.	Contd
4	Surveillance/air quality status in Jaipur	1.0	0.50	Contd	Contd	Contd.	Contd
5	Air & Noise monitoring during Diwali in the Jaipur	0.50	0.20	Contd	Contd	Contd.	Contd
6	Monitoring of air quality monitoring in Bhopal for reporting in TV Channels	2.50	1.0	Contd	Contd	Contd.	Contd
<b>Project Head-II</b>							
7	Development & monitoring facilities & its operation & maintenance	10.0	7.0	Contd	Contd	Contd.	Contd
8	Operation & maintenance of surveillance vehicle	1.0	0.50	Contd	Contd	Contd.	Contd
<b>Project Head-IV</b>							
9	Nomination for training/ workshop	0.40	0.30	Contd	Contd	Contd.	Contd
<b>Project Head-V(A)</b>							
10	Development of computer and other facilities	1.0	0.50	Contd	Contd	Contd.	Contd
<b>Project Head -V(B)</b>							
11	Development of library	1.0	0.30	Contd	Contd	Contd.	Contd
<b>Project Head-VI</b>							
12	Pollution Control Enforcement (on going)	4.0	2.0	Contd	Contd	Contd.	Contd
13	Status of pollution control in sponge iron industries in Chhattisgarh State	1.0	1.0	Contd	Contd	Contd.	Contd
14	Performance study of ESS in Thermal Power Station M.P.	0.50	0.50	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
15	Review of status of industries issued directions by CPCB under E.P.Act, 1986 & section 18 (b) of water Act, 1924	1.0	0.50	Contd	Contd	Contd.	Contd
16	Verification of compliance of incineration installed in hospitals in central zone	1.0	0.50	Contd	Contd	Contd.	Contd
17	Performance evaluation of air pollution control measures at Hindustan Zinc Ltd in Rajasthan	0.50	0.30	Contd	Contd	Contd.	Contd
	<b>Project Head -VIII</b>						
18	Training programme for NGOs & school teachers in environmental management (one in each state)	1.20	0.50	Contd	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>29.10</b>	<b>17.35</b>				



**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

**5.13 ZONAL OFFICE KANPUR**

								(Rs. in lakh)
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr	
<b>Zonal Office-Kanpur</b>								
<b>Project Head-I</b>								
1	Monitoring of the pesticides & other organic pollutants in Environment (O&M of Gas Chromatograph)	3.0	3.0	Contd	Contd	Contd.	Contd	
2	Ground water monitoring in identified area/major cities in North Zone	0.50	0.50	Contd	Contd	Contd.	Contd	
3	Bio medical waste management, Monitoring of Incinerators & common biomedical waste treatment facilities	2.0	1.0	Contd	Contd	Contd.	Contd	
4	Monitoring of fine particulate matters (<2.5 micrometer size ad its characterization in ambient air in Kanpur)	7.50	3.0	Contd	Contd	Contd.	Contd	
5	Monitoring of BTX in the city of Kanpur	1.75	1.0	Contd	Contd	Contd.	Contd	
6	Operation & maintenance of Ambient Air Quality station, Vikas Nagar, Kanpur	10.50	5.0	Contd	Contd	Contd.	Contd	
7	Inventory of polluting sources of Singrauli area	1.0	1.0	Contd	Contd	Contd.	Contd	
8	Security & Insurance of AWQMS	2.0	2.0	Contd	Contd	Contd.	Contd	
9	Environmental epidemiological studies in and around sewage irrigated area at Kanpur	3.0	1.0	Contd	Contd	Contd.	Contd	
10	Impact of Environmental pollution created by unorganized sectors in Kanpur city (on going)	1.50	1.0	Contd	Contd	Contd.	Contd	
11	Environmental Quality Monitoring in problem area, Singarauli	3.0	1.0	Contd	Contd	Contd.	Contd	
12	Monitoring of noise in one city of North	0.50	0.50	Contd	Contd	Contd.	Contd	
<b>Project Head II</b>								
13	Operation & maintenance of Atomic Absorption spectrophotometer (AMC) (on going)	7.50	2.0	Contd	Contd	Contd.	Contd	
14	Maintenance of Toxicity test facilities	1.25	0.50	Contd	Contd	Contd.	Contd	
15	Management & Development of Labs.	20.75	15.0	Contd	Contd	Contd.	Contd	

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
18	Upgradation of mobile Labs.	1.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head-IV</b>						
19	Training of ZO staff	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head V(A)</b>						
20	Information (Database) Management	4.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head V(B)</b>						
21	Development of library	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head VI</b>						
22	Enforcement of Pollution Control measure in CETPs in North Zone	0.50	0.50	Contd	Contd	Contd.	Contd
23	ESS activities	3.0	2.0	Contd	Contd	Contd.	Contd
24	Public complaints	0.50	0.50	Contd	Contd	Contd.	Contd
25	Implementation of Energy Audit Report	1.0	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head VII</b>						
26	Strategy for prevention & control of pollution due to chromium in ground water of identified areas of Kanpur city	1.50	0.50	Contd	Contd	Contd.	Contd
27	Efficacy of Bio composting in distilleries & its impact on surrounding environment	1.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head VIII</b>						
28	Training for teachers & students on Environmental issues & mass Awareness programme	1.50	0.50	Contd	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>80.75</b>	<b>46.00</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.14 ZONAL OFFICE KOLKATA**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>Zonal Office- Kolkata</b>							
<b>Project Head-I</b>							
1	Surveillance of water quality monitoring stations (on going)	0.20	0.20	Contd	Contd	Contd.	Contd
2	Surveillance of air quality monitoring stations (on going)	0.30	0.30	Contd	Contd	Contd.	Contd
3	Study in impact of Idols immersion in water bodies (new)	1.50	1.0	Contd	Contd	Contd.	Contd
4	Air quality & noise monitoring at major traffic intersection	0.60	0.60	Contd	Contd	Contd.	Contd
5	Environmental status of important tourist center-Puri (Orissa) (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
6	Survey of water quality in polluted river stretches (New)	0.50	0.50	Contd	Contd	Contd.	Contd
7	Assessment of residual metals in fish & vegetable (on going)	0.20	0.20	Contd	Contd	Contd.	Contd
8	Environmental status of Cuttack city	1.0	1.0	Contd	Contd	Contd.	Contd
9	Water quality monitoring (including bio monitoring) Chilka & Ansupa lakes (on going)	2.0	1.0	Contd	Contd	Contd.	Contd
10	Environmental status of Mirik lake in West Bengal (New)	0.60	0.30	Contd	Contd	Contd.	Contd
11	Study of noise impact of school children (New)	0.80	0.50	Contd	Contd	Contd.	Contd
12	Pollutant release & transfer register (PRTR)-A case study in selected areas of eastern region	2.0	1.0	Contd	Contd	Contd.	Contd
<b>Project Head-II</b>							
13	Strengthening, O& M of laboratory including repair & AMC of instruments with special reference to NABL (on going)	15.0	15.0	Contd	Contd	Contd.	Contd
14	Regular cost of glassware/chemicals including reference materials (on going)	2.0	2.0	Contd	Contd	Contd.	Contd
15	Inventory-cum-Assessment of Environmental Laboratories in Eastern Region (New)	0.50	0.50	Contd	Contd	Contd.	Contd
<b>Project Head-III</b>							
16	Standardization of methodology for PAH & BTX & their assessment in Ambient Air (New)	1.0	1.0	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
17	Study of efficiency of arsenic treatment plants located in West Bengal including free sampling & analysis (New)	0.50	0.50	Contd	Contd	Contd.	Contd
18	Assessment of total NOx emissions from point sources of a steel plant (new)	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-IV</b>						
19	Nomination for training programme/ workshop (on going)	0.70	0.70	Contd	Contd	Contd.	Contd
20	Organizing training programmes for teachers on Environment & Pollution Control (on going)	1.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head-V(A)</b>						
21	Database Management (on going)	1.75	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head-V(B)</b>						
22	Development of Library (on going)	1.0	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-VI</b>						
23	Performance evaluation/ compliance study of some industries (on going)	2.0	1.0	Contd	Contd	Contd.	Contd
24	Court cases follow up and public complaints (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
25	Running & maintenance of vehicles for execution of plan activities (on going)	2.0	1.0	Contd	Contd	Contd.	Contd
26	Performance evaluation of ETP of textile units in West Bengal (New)	0.30	0.30	Contd	Contd	Contd.	Contd
27	Status of PC measures in selective industries like ceramic, refractory & glass wool	-	-	Contd	Contd	Contd.	Contd
28	An update on the status on the disaster management plans (both on & out side) of both diesel & gas storing facilities in the eastern region (new)	2.0	1.0	Contd	Contd	Contd.	Contd
29	Renovation of ZO-Kolkata office-cum-lab at 247, DPS Road & 61 P.A. Sah Road (new)	2.0	2.0	Contd	Contd	Contd.	Contd
	<b>Project Head-VIII</b>						
30	Interaction with NGO/other agencies & assisting them for promoting mass awareness programme ( on going)	0.70	0.70	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs. in lakh)							
S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
	<b>Project Head-IX</b>						
31	Inspection of the industries for registration & other site etc. (on going)	0.30	0.30	Contd	Contd	Contd.	Contd
32	Status on the trend of utilization of wastes of industrial origin (e.g. fly ash, gypsum, etc.) in the eastern region.	0.20	0.20	Contd	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>44.65</b>	<b>37.30</b>				



**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.15 ZONAL OFFICE VADODARA**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>Zonal Office- Vadodara</b>							
<b>Project Head I</b>							
1	Surveillance of WQM stations (on going)	0.25	0.25	Contd	Contd	Contd.	Contd
2	Surveillance of Ambient Air Quality Monitoring Stations (on going)	0.25	0.25	Contd	Contd	Contd.	Contd
3	Assessment of Pollution Potential in dye intermediate industries of West Zone & technological solutions for its treatment & disposal	1.0	1.0	Contd	Contd	Contd.	Contd
4	Possible solution for wastewater treatment of disposal by small & medium scale pulp & paper industries in Maharashtra	0.50	0.50	Contd	Contd	Contd.	Contd
5	Studies of sulphate & nitrate in Ambient Air	1.50	1.00	Contd	Contd	Contd.	Contd
6	Studies on Municipal waste in Vadodara (New)	2.0	0.50	Contd	Contd	Contd.	Contd
7	Water audit of major Nitrogenous fertilizer companies (industries) in West Zone (New)	0.50	0.50	Contd	Contd	Contd.	Contd
8	In depth pollution assessment of Dombivali Industrial area in Maharashtra State (New)	1.0	1.0	Contd	Contd	Contd.	Contd
9	Studies of Ground water quality around CETP & common secured landfill sites located at various places in Gujarat (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
10	Environmental status around common secured landfill sites in Gujarat & Maharashtra (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
11	Studies of pollution potential from fishing harbours to the coastal waters (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
12	Environmental status of Coastal aquaculture in India (on going)	0.20	0.20	Contd	Contd	Contd.	Contd
13	Case studies on Marine National Park, Gulf of Kutch, Jamnagar (Gujarat) (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
14	Studies of pollution potential from fish processing industries of Coastal Water (on going)	0.20	0.20	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMEWISE ALLOCATION & TARGETS)**

(Rs.in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
15	Assessment of pollution load from land based activities influencing the coastal marine environment of Guajrat & Maharashtra (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
16	Environmental status in Diu (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-II</b>						
17	Strengthening operation & maintenance of laboratories	10.0	10.0	Contd	Contd	Contd.	Contd
18	Annual maintenance contract of instrument	1.0	1.0	Contd	Contd	Contd.	Contd
19	Annual maintenance of vehicle	0.50	0.50	Contd	Contd	Contd.	Contd
20	Rent Lab/office	9.50	9.50	Contd	Contd	Contd.	Contd
	<b>Project Head-IV</b>						
21	Registration fees for attending the training programmes & organizing of training programmes	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-V(A)</b>						
22	Purchase of new computers with Pentium-IV including one printer	0.50	0.50	Contd	Contd	Contd.	Contd
23	Miscellaneous expenditure for up gradation of existing computers	1.0	1.0	Contd	Contd	Contd.	Contd
	<b>Project Head-V(B)</b>						
24	Development of library	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-VI</b>						
25	Pollution Control in 17 categories of industries (on going)	2.0	2.0	Contd	Contd	Contd.	Contd
26	Public complaint investigation	0.50	0.50	Contd	Contd	Contd.	Contd
27	Vigilance under ESS programme	1.0	1.0	Contd	Contd	Contd.	Contd
28	Court cases	0.25	0.25	Contd	Contd	Contd.	Contd
	<b>Project Head-VIII</b>						
29	Creation of Mass awareness	0.50	0.50	Contd	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>38.15</b>	<b>36.15</b>				

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

**5.16 ZONAL OFFICE SHILLONG**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
<b>Zonal Office- Shillong</b>							
<b>Project Head-I</b>							
1	Surveillance of ambient air quality monitoring stations (on going)	0.50	0.30	Contd	Contd	Contd.	Contd
2	Water Quality assessment in lakes/ ponds (New)	2.0	0.50	Contd	Contd	Contd.	Contd
3	Study of pollution sources at Loktak lake, Manipur & preparation of action plan for environmental management (New)	2.0	0.50	Contd	Contd	Contd.	Contd
4	Ambient air & noise monitoring at major traffic intersection in Guwhati (New)	0.30	0.30	Contd	Contd	Contd.	Contd
5	Inventorization of polluting industries in & around Guwahati & assessment of pollution load (new)	2.0	0.50	Contd	Contd	Contd.	Contd
6	Assessment of environmental status in the coal mining areas of Assam & Arunachal Pradesh (new)	1.0	1.0	Contd	Contd	Contd.	Contd
<b>Project Head-II</b>							
7	Development of laboratory & activities (on going)	3.50	2.0	Contd	Contd	Contd.	Contd
8	Procurement of noise meter	2.0	1.0	Contd	Contd	Contd.	Contd
<b>Project Head-IV</b>							
9	Nomination for training programme/ workshop	0.50	0.50	Contd	Contd	Contd.	Contd
<b>Project Head-V(B)</b>							
10	Development of Library	0.50	0.50	Contd	Contd	Contd.	Contd
<b>Project Head-VI</b>							
11	Pollution control status in 17 categories of industries ( on going)	1.0	1.0	Contd	Contd	Contd.	Contd
12	Public complaints investigation (on going)	0.50	0.50	Contd	Contd	Contd.	Contd
13	Follow up of implementation of MSW, BMW	0.50	0.50	Contd	Contd	Contd.	Contd
14	Environmental status of polluting industries at Byrnihat, Meghalaya & assessment of pollution load (new)	2.50	1.0	Contd	Contd	Contd.	Contd
15	Status & compliance in large/ medium cement plants in NE States (New)	2.0	0.50	Contd	Contd	Contd.	Contd

**PLANS & PROGRAMMES (SCHEMewise ALLOCATION & TARGETS)**

(Rs. in lakh)

S. No.	Scheme	Total Cost	Sanctioned outlay	1 <sup>st</sup> Qtr	2 <sup>nd</sup> Qtr	3 <sup>rd</sup> Qtr	4 <sup>th</sup> Qtr
16	Running & maintenance of vehicles	2.0	1.0	Contd	Contd	Contd.	Contd
17	ESS activities	5.0	1.0	Contd	Contd	Contd.	Contd
18	Investigation of soil & water contamination vis-à-vis land use changes near coal mines (Tinsukia)	2.25	0.50	Contd	Contd	Contd.	Contd
	<b>Project Head-VIII</b>						
19	Organising mass awareness programmes	1.0	0.50	Contd	Contd	Contd.	Contd
	<b>TOTAL</b>	<b>31.05</b>	<b>13.60</b>				