

Annual Action Plan 2012-13



Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032
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Chapter 1: Introduction

The Central Pollution Control Board (CPCB) is coordinating with the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs) on execution of nation-wide programmes relating to abatement of pollution. The activities mandated to CPCB are diversified in nature which includes; monitoring of ambient environment, formulation of standards and guidelines and providing implementation status reports to the Ministry of Environment and Forests (MoEF) on rules framed under the Environment (Protection) Act, 1986.

The Annual Action Plan (Work Plan) of CPCB for 2012-13 has laid emphasis on strengthening of environmental monitoring network, carrying out random checks of industries for compliance verification, review of existing standards and inventorisation of wastes. Capacity development of SPCBs through trainings and organizing/participation in mass awareness programmes will be the continued activity. Specific attention has been given on bringing environmental quality data in public domain through web-site dissemination.

Chapter 2: Functions of CPCB

The functions of CPCB are specified under Section (16) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981. CPCB is also coordinating important activities under the Water (Prevention & Control of Pollution) Cess Act, 1977 and various functions entrusted under the Environment (Protection) Act, 1986 and Rules made there under. Functions of CPCB are 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 and these are as under:

- Advise the Central Government on any matter concerning prevention and control of water and air pollution and improvement of the quality of air;
- Co-ordinate the activities of the State Boards and resolve disputes among them;
- Plan and organize training of persons engaged in programmes for the prevention, control or abatement of water and air pollution;
- Provide technical assistance and guidance to State Boards, Carry out and sponsor investigation and research relating to problems of water and air pollution and prevention, control or abatement of water and air pollution;
- Organize through mass media, a comprehensive mass awareness programme on prevention, control or abatement of water and air pollution;

Collect, compile and publish technical and statistical data relating to water and air pollution and measures derived for their effective prevention, control or abatement, Prepare manuals, codes and guides relating to prevention, control or abatement of water and air pollution;

Lay down, modify or annul, in consultation with State Governments, standards for stream and well and lay down standards for the quality of air;

Plan and cause to be executed a nation-wide programme for the prevention and control or abatement of water and air pollution;

Perform such other functions as and when prescribed by the Government of India;

Central Board may establish or recognize a laboratory or laboratories to enable the Board to perform its functions efficiently including the analysis of water from any stream or well or of samples or ambient air or trade effluents and emissions;

Central Board may delegate any of its functions under the Water and Air Act to such person or body of persons or Committees for proper discharge of its functions and generally for the purpose of carrying into effect the purposes of these Acts as Central Government may specify.

Chapter 3: Achievements of 2011-12

3.1 Assessment of Pollution:

Carried out water quality monitoring at 2500 stations covering 1275 rivers, 190 lakes, 12 tanks, 79 ponds, 41 sea water, 45 drains, 10 water treatment plants, 807 wells and 41 canals.

Carried out ambient air quality monitoring (AAQM) at 523 stations covering 215 cities/towns in 26 States & 5 Union Territories.

Set-up a National Ambient Noise Monitoring Network (NANMN) comprising 35 stations located in 07 cities (Delhi, Mumbai, Hyderabad, Lucknow, Kolkata, Bangalore, Chennai).

Out of 15 CAAQMS installed by CPCB, 12 CAAQMS are being operated under operation & maintenance contract and 3 CAAQMS are being operated by CPCB. Data of all fifteen CAAQMS is being uploaded in CPCB's website on regular basis.

A seminar on "Persistent Organic Pollutants (POPs) Overview, Monitoring and Analysis" has been organized.

Ambient Dioxin/Furan monitoring has been undertaken during Pre-Deepawali, Deepawali & Post-Deepawali at two locations in Delhi.

Assessment of vehicular pollution in tourist and religious places.

Development of Guidelines for environmentally sound management of End of Life Vehicles (ELVs).

2.2 Industrial Pollution Control:

Environmental standards have been notified in respect of "Soda Ash and Pesticide industries". In addition, Emission Standard of Petrochemical Industries is in the process of notification by MoEF.

On Random basis ESS inspections carried out in industries falling under 17 categories of highly polluting industries and Directions have been issued to non-complying industries under Section 5 of EPA, 1986.

Report on computation of Societal Risk Abatement with regard to Dioxins and Furan Emission Standards for common hazardous waste incineration finalized and published.

3.3 Waste Management:

Co-processing of hazardous and non-hazardous incinerable waste tried in Cement kilns. Trial runs for co-processing of distillery spent wash has been conducted in cement kilns and draft Guidelines for Co-processing of Distillery Spent Wash prepared.

CPCB has been identified as Project Executing Agency of MOEF for remediation of hazardous waste contaminated sites funded under the National Clean Energy Cess Fund.

Study to assess the environmental impact of ship breaking activities was conducted and monitoring of soil and water quality has been carried and report published.

Field Study on Life Cycle Assessment of plastic products completed.

Carried out inspections of TSDFs; CBMWTFs and SLF (as a follow up of Directions issued).

Completed study on quantification and characterization of plastic waste in 60 major cities in India. Report is under finalization.

Published a document on Guidelines for Environmentally Sound Management of mercury water generated from health care facilities (HCFs).

Provided status of implementation of PWM Rules, 2011 to MoEF for compliance of Hon'ble Supreme Court's Order and Committee on Assurance.

3.4 Training, Mass Awareness and Environment Data Bank:

Implementation of Raj-Bhasha (Hindi) in CPCB and organizing Hindi Diwas, Workshop and Training Programmes for CPCB officials.

Seven hundred ninety (790) episodes under Paryavarana Darshan Programme on regional environmental issues were shown by 18 Regional Kendras and DD-National.

Nine (9) technical and scientific reports, 1 newsletter and 07 other reports have been published on various subjects.

An integrated software for creating Environmental Data Bank (EDB) and system for CAAQMS data communication have been developed

Conducted 20 national training programmes on various environmental pollution and prevention areas. These programmes were attended by staff of CPCB and SPCBs. In addition, 8 training programmes on various administrative matters for non-technical staff of CPCB.

A real-time data is being received from various locations from four major suppliers of monitoring equipments/instruments.

Chapter 4: Thrust Areas for 2012-13

The current financial year i.e. 2012-13 is the 1st year of 12th Five Year Plan (FYP). A complete document on 12th FYP has been presented to MoEF detailing year-wise activities. During 2012-13, no new activity will be undertaken. However, schemes/activities started during 2011-12 will be continued during 2012-13, these are as under;

4.1 Sponsored Projects:

Projects Sanctioned Under Cess Fund (By MoEF)

1. Establishing Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in Critically Polluted Areas"
2. Monitoring & Compliance of action plans for identified 43 Critically Polluted Areas (CPAs)
3. Expanding National Ambient Noise Monitoring Network from 35 to 70 stations in 2012-13

3. Projects under NGRBA:

1. Establishment of NGRBA cell, in CPCB, and in the National Mission on Clean Ganga (NMCG) for "Pollution Inventorisation, Assessment and Surveillance on Ganga River".
2. Elimination of Escherichia coli and other fecal coliform bacteria through bacteriophages from river Ganga and tributaries under NGRBA
3. In-situ bioremediation for sewage treatment (Budha Nala, Ludhiana)
4. Co-processing of hazardous and other wastes in cement plants, iron and steel industries and power plants.

4.2 Projects/Schemes proposed under Plan Fund of CPCB:

- Operation & Maintenance (O&M) of Water Quality Monitoring (WQM) at 2500 Stations.
- O&M of Ambient Air Quality Monitoring Stations at 700 Stations.
- Noise monitoring at 35 locations in 07 cities.

- Continuous Ambient Air Quality Monitoring (CAAQMS) will be continued in some cities.
- Up-gradation of Central Zonal laboratories through cess funding for NABL accreditation.
- Ensuring compliance of Municipal Solid Waste (MSW) Rules, 2000 in States and Union Territories.
- Ensuring compliance of Plastic Waste (Management and Handling) (Amendment) Rules, 2011 in States and Union Territories through State Pollution Control Boards (SPCBs), Pollution Control Committees (PCCs) and Municipal Authorities for Hon'ble Supreme Court's Order & Committee on Assurance.
- Implementation of co-processing of incinerable hazardous and non-hazardous waste including plastic waste in cement kilns, thermal power and steel plants.
- Encouraging use of plastic waste in road construction.
- Inventorisation of Bio-medical Waste, Hazardous Waste, Battery Waste & E-waste generation in major cities in India.
- Monitoring compliance in CETPs, STPs, CBMTFs, TSDFs etc.
- Monitoring environmental quality in 43 critically polluted industrial clusters (CEPI).
- Development of standards for 'Red category' of industries.

5.0 Budget Allocation for 2012-13

5.1 Project Head-wise Budget Allocation for 2012-13:

The allocation made against each **Project Head** is summarized as under:

Project Heads	Title of the Project Head	Allocation (₹ in Crores)		
		Head Office	Zonal Offices	Total
I	Pollution Assessment (Survey and Monitoring)	18.15	0.755	18.905
II	Scientific and Technical Activities and R&D	1.2325	2.2335	3.466
III	Industrial Pollution Control (standards, enforcements and technologies):	NA	NA	NA
	a) Standard Development	2.4385	NIL	2.4385
	b) Enforcement	6.2888	6.145	12.4338
	c) Technology	0.59	NIL	0.59
IV	Training and Awareness:	NA	NA	NA
	a) Training Programmes	0.53	0.09	0.62
	b) PR, Mass Awareness Programmes & Hindi	0.56	0.075	0.635
	c) Library	0.10	0.057	0.157
V	Information (Database) Management	0.44	0.254	0.694
VI	Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	1.9407	0.12	2.0607
	Total	32.2705	9.7295	42.00

5.2 Division-Wise & Zone-Wise Budget Allocation for 2012-13:

Part-A: HEAD OFFICE

Name of the Division/Section	Allocation (₹ in Crores)
Pollution Assessment Survey & Monitoring	18.15
Laboratory Management	1.2325
Pollution Control Implementation – I	0.68
Pollution Control Implementation –II	0.866
Pollution Control Implementation –III	0.4375
SSI Division	1.9850
Urban Pollution Control Division	0.8007
ESS	0.50
Pollution Control Planning Division (PCP)	3.0488
PR & Library	0.60
Co-ordination Section	0.16
AS Section	0.15
Environmental Training Unit	0.53
Hazardous Waste Management	0.50
Building Section	2.08
Information Technology	0.50
Hindi Cell	0.05
TOTAL (A):	32.2705

Part-B: ZONAL OFFICE

Name of the Zonal Office	Allocation (₹ in Crores)
Bangalore	1.96
Bhopal	1.7595
Kolkata	1.50
Lucknow & Agra	2.31
Shillong	0.70
Vadodara	1.50
TOTAL (B):	9.7295

Grand Total (A+B) = 32.2705 + 9.7295 = ₹ 42.00 Crore

6.0 PLANS & PROGRAMMES OF HEAD OFFICE 2012-13

6.1 Pollution Assessment Survey & Monitoring (PAMS) (Project Head-I)

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-I Pollution Assessment (Survey and Monitoring)	
1	National Water Quality Monitoring Programme (NWMP) (ongoing) (O&M of 250 stations)	1000.00
2	National Air Quality Monitoring Programme (ongoing) (O&M of 580 stations)	800.00 (RE : 800)
3	Initiation of PM _{2.5} and other air pollutants monitoring as per revised air quality standards (ongoing)	(RE : 300)
4	Inventory of Lakes and wetlands in India (ongoing)	(RE : 1.50)
5	Calibration & Evaluation of Air Quality monitoring instruments in NAMP stations (Ongoing)	(RE : 60)
6	Assessment of heavy metal levels in North Indian population: role in health and disease (New)	(RE : 10)
7	National Ambient Noise monitoring Network (NANMN) (ongoing)	15.00
8	Interstate Water Pollution Problem (ongoing)	(RE : 5)
9	Coliform standards for treated sewage	(RE : 8.75)
10	Performance evaluation of STPs in Delhi (ongoing)	(RE : 1)
11	Updation of Information for Sewage Generation, collection, treatment and disposal in Class-I cities and class-II towns in India	(RE : 1)
	Total	1815.00

6.2 Laboratory Management and R & D (Project Head-II Scientific and Technical Activities and R&D)

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
AIR LABORATORY		
1	Routine Operation of Laboratory in accordance with EP Act, 1986	30.00
2	Development of capabilities for all 12 notified parameters under National Ambient Air Quality Standards a) Manual Operations b) Continuous Operation	(RE : 15) (RE : 29)
3	Development of analytical capabilities for source emission monitoring (gradual development for all parameters notified under source emission)	5.00
4	Development of Infrastructure Refurbishing of Laboratory	(RE : 12)
5	In – house Training / demonstration and organisation of national workshop on Monitoring & Measurement of Air Pollutants	5.00
6	Routine Monitoring Activities	13.00
7	Impact Assessment Studies of Air Pollutants	(RE : 35)
8	Capacity building for monitoring of episodal pollution: on - site and off – site monitoring	Nil
	Sub Total:	53.00
WATER LABORATORY		
9	Analytical quality control (AQC/ water) for Central and State Pollution Control Boards, Pollution Control Committees & for laboratories recognized under E. P. Act (on going)	01.50
10	Sludge Reagent Product (SRP) Project: Installation and Operation of Pilot Water Treatment Plant based on SRP Treatment Technology at Bhagirathi Water Treatment Plant (DJB), Gokulpuri, Delhi (on going)	(RE : 15)
11	Contamination status of Arsenic and Fluoride in ground water and assessment of impact and economic burden on the environment (on going)	01.50

12	Salary provision for Project / Contract Staff	05.00
13	Renovation of Water, Wastewater and Hazardous Waste Laboratory (Lab furniture and electrical / Air Condition etc.)	(RE:115.00)
14	Committed Expenditure	09.25
	Sub Total:	17.25
BIO-SCIENCE LABORATORY		
15	Bio-monitoring of Water bodies (Rivers like Ganga/Yamuna, tributaries of Ganga and other Rivers)(will also include DNA bar coding)	3.0
16	Microbiological assessment of River Ganga (Tributaries), Yamuna and drains joining w.r.t. pathogenic bacteria	5.0
17	Toxicity evaluation of effluents and w.r.t. critically polluted areas	2.0
18	Studies of Bacteriophages	NGRBA Fund
19	Routine services (to other Divisions)	1.0
	Sub Total:	11.00
INSTRUMENTATION LABORATORY		
20	Studies on correlation between COD, BOD and TOC in complex environmental matrices like drain water, river water and industrial effluents (on going).	2.00
21	Annual Maintenance Contract (AMC) of Instruments/Equipments – AASs, Mercury Analyser, AOX Analyser, ED-XRF Spectrometer, TOC Analyser, ICP-AES, UPS Systems, Water Purification System, Trace Metal Analyser, Hydraulic Press etc. (on going).	8.00
22	Trace Metal characterization of solid and hazardous waste using ICP-AES (on going).	2.00
23	Analysis of AOX from selected industrial effluents using AOX Analyser (on going).	2.00
	Sub Total:	14.00
NATIONAL REFERENCE TRACE ORGANIC LABORATORY		
24	Measurement of hazardous organic compounds Dioxin (PCDDs) and Furan (PCDFs) in environmental samples	2.50
25	Volatile organic compounds (VOCs) measurement in Ground/Surface water samples by purge and trap GC-MS in Critically Polluted Areas	1.20
26	Assessment of Persistent Organic Pollutant Residues (POPs) in Human Population of Delhi with Special Reference to Adverse Health Effects and Morbidity (Last installment to be released after submission of final report)	0.40

27	Assessment of Polychlorinated Biphenyl (PCBs) in River Water & Sediments of River Yamuna in Delhi Stretch	1.50
28	Monitoring of pesticides residues at national level- Sponsored project by Ministry of Agriculture/IARI, New Delhi	IARI Funds
29	Operational contract for Air Handling Unit, Electrical & Fire Fighting system maintenance	3.50
30	Annual Maintenance Contract of HRMS and other equipment/instruments - GCs, HPLC, GC-MS, UPS systems etc.	9.50
31	Methodology Development and standardization of Trace Organics Parameters (Phenol & Phenolic Compounds) as per Notification under the Environment (Protection) Act, 1986	2.00
32	Inter-laboratory PT Participation for HQs Laboratory & CPCB Zonal Office Laboratories	6.40
33	Recognition of Laboratories under the Environment (Protection) Act, 1986	1.00
	Sub Total:	28.00
	Grand Total:	123.25

PCI-I

6.3 Pollution Control Implementation-I (Project Head-III- Industrial Pollution Control (standards, enforcements and technologies)

Scheme No.	Name of Schemes	Allocations (₹ in Lacs)
	Project Head: III (a) Standard Development	
1	Preparation of COINDS & revision of status on Pesticide Industry (New)	(RE : 15)
2	Review of Emission Standards and Preparation of COINDS document on Man-made fiber industry (to be completed during 2012-13 & expenditure is committed)	35.00
3	Preparation of COINDS and Development of Emission Standards for Paint Industry (to be completed during 2012-13 & expenditure is committed)	25.00
4	Preparation of COINDS document on Pharmaceutical Industry and development of standards for VOC Emission (New)	(RE : 30)
	Sub Total:	60.00
	Project Head – III (b) : Enforcement	
5	Implementation of action points agreed under CREP for Oil Refineries, Petrochemicals, Dye & Dye Intermediates, Pharmaceuticals, Pesticide, Chlor Alkali and Fertilizer Industries	2.00
6	Implementation of Standards, ESS activities, Public Complaint investigations & court matters	4.00
	Sub Total:	6.00
	Project Head – III (c) : Technology	
7	Import of hazardous chemicals in India	2.00
	Sub Total	2.00
	Grand Total	68.00

PCI-II

6.4 Pollution Control Implementation-II (Project Head-III- Industrial Pollution Control (standards, enforcements and technologies)

Scheme No.	Name of the scheme	Allocations (₹ in Lacs)
	Project III (a) – Standard Development	
1.	Assessment of air pollution from cement plants using petcoke as fuel (On going)	13.00
2.	Development of guidelines for management of solid waste and hazardous waste generated in integrated Iron & Steel Industry (On going)	6.10
3.	Development of emission factor for various units of an Integrated Iron and Steel Plants. (On going)	5.00
4.	Development of guidelines for control of fugitive emission in Integrated Iron & Steel Plants. (On going)	4.00
5.	COINDS on cement plants (On going)	3.00
	Sub Total:	31.10
	Project III (b) – Enforcement	
6.	Implementation of pollution control measures in TPPs, Iron & Steel Industry, Cement Industry, Aluminium, Lead, Copper & Zinc Smelting units (including stationary, telephone, transportation & salary of SRF, Photo Copier, Desk top including printer) (On going)	7.00
7.	Standing Committee on Emission from RIC Engines (On going)	1.00
8.	National Committee on Noise Pollution (On going)	1.00
9.	Compliance of Fire Crackers (On going)	1.00
10.	Implementation of Noise and emission Standards for DG sets (On going)	5.00
11.	National Task Force on Thermal Power Plant & Iron & Steel industries (On going)	2.00
12.	Preparation of status report of sulphuric acid plant utilizing off gases in Cu, Zn & Pb Smelters. (On going)	8.00
13.	Preparation of status report on compliance of forage fluoride emissions in Aluminium plant (On going)	8.00
	Sub Total:	33.00
	Project III (c) – Technology	
14.	Life cycle assessment of cement plant based on alternate fuels (AFR) (On going)	7.50
15.	Development of clean technology and environmental standards for Ferro-Alloys Industry (On going)	10.00
16.	Preparation of Environmental status report on coal mines & coal washeries (On going)	5.00
	Sub Total:	22.50
	Grand Total	86.60

PCI-III

6.5 Pollution Control Implementation-III {Project Head-III- Industrial Pollution Control (standards, enforcements and technologies)}

Scheme No.	Name of Schemes	Allocations (₹ in Lacs)
	Project III (a) – Standard Development	
1.	Revision of COIND for soft drink industries (ongoing)	1.25
2.	Revision of COIND for slaughter houses including effluent standards (ongoing)	17.50
3.	Revision of COIND for dairy industry (New)	(RE : 3)
4.	Development of standards and guideline for Grain based Distillery. (ongoing)	4.00
5.	Revision of COINDS for Malteries and Breweries (ongoing)	4.00
	Sub Total:	26.75
	Project III (b) – Enforcement	
6.	Training Programme on pollution control in Slaughter houses (ongoing)	3.00
7.	Follow up of court matters (New)	(RE : 1.20)
8.	Collection and compilation of alcohol production data, spent wash generation and status of implementation of CREP norms etc. of all India distilleries. (New)	(RE Stage)
9.	Performance evaluation of bio-composting practices in distilleries (New)	(RE : 3)
10.	Water conservation in Sugar Mills and Performance of Air Pollution Control System in Sugar Mills (ongoing)	10.00
11.	Workshop/training programmes on Sugar, Distillery and Pulp and Paper Sectors. (New)	(RE Stage)
12.	Performance evaluation of Tea Estates (New)	(RE : 3)
	Sub Total:	13.00

	Project III (c) – Technology	
13.	Performance Evaluation of Bio-digesters & evaporation/membrane filtration (RO) system for distillery effluent treatment. (ongoing)	(RE : 10)
14.	Performance evaluation of ZLD in distilleries through concentration-incineration/co-processing of spent wash in cement Kilns/TPPs/Steel Plants. (New)	(RE : 10)
15.	Enhancement of Ethanol recovery at processing stage using selected microbial strain and thereby reducing pollution load. (New)	(RE : 10)
16.	Benchmarking Case Studies, assessment of process water requirement and tolerance limits of various sections/equipments for system closure to implementation of Aero Effluent Discharge in Pulp & Paper Industry and preparation of manual. (New)	(RE : 10)
17.	Feasibility study of Physicochemical and Biological treatments for Bleach Plant Effluent treatment and for removal of TDS and other pollutants to promote ZLD in Mills, Performance evaluation of APCDs in Pulp and Paper Mills. (New)	(RE : 15)
18.	Demonstration of advanced photo-chemical oxidation/ RO technologies in Pulp & Paper Industry. (New)	(RE : 5)
19.	Study on design on liner system or Storage of effluents and prevention of groundwater pollution from Coffee processing industry. (ongoing)	4.00
	Sub Total:	4.00
	Grand Total:	43.75

6.6 SSI Division [Project Head- III- Industrial Pollution Control (Standards, Enforcements and Technologies)]

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-III (a) Standard Development	
1.	COINDS for Plywood industries (Ongoing)	4.50
2.	COINDS for Secondary Copper Smelting industry (New - Offer invited in 2011-12)	(RE : 10.00)
3.	Assessment of Secondary Zinc industry (Ongoing)	12.00
4.	COINDS and Environmental Standards for Activated Carbon manufacturing industries. (Ongoing)	6.00
5.	COINDS and Environmental Standards for Re-rolling mills. (Ongoing)	3.00
6.	COINDS and Environmental Standards for Pickling industries. (Ongoing)	10.00
7.	COINDS and Environmental Standards for Small Scale Paint industries. (Ongoing)	22.50
	Salary	2.50
8.	COINDS and Environmental Standards for Hot Mix Plants. (Ongoing)	20.00
9.	Environmental management in Bee-hive coke oven plants. (Ongoing)	25.00
10.	COINDS for Soaps & Detergents industry (Ongoing)	4.50
11.	COINDS (revision) for Brick Kilns (Ongoing)	15.50
12.	Effluent Standards (revision) for CETPs (Ongoing)	0.50
	Sub Total:	126.00
	Project Head-III (b) Enforcement	
13.	State wise Inventorisation of Small Scale industries (Ongoing)	10.00
14.	Control of Pollution in NCR - EPCA Activities (Ongoing)	9.00
15.	Inventorisation of Industrial Clusters and assessment of need for more CETPs in the country (Ongoing)	27.50
16.	Documentation of global best practices in industrial effluent treatment with special reference to CETPs (Ongoing)	3.50
	Sub Total:	50.00

	Project Head-III (c) Technology	
17.	Evaluation and Improvement in Design of Clamp Kiln (Ongoing)	12.00
18.	Pilot project of Continuous Ambient Air Quality Monitoring Station/ Network (ongoing)	(RE : 100)
19.	Pilot project of Continuous Ambient Air Quality Monitoring Station/Network under Build, Own and Operate (BOO) (on- going)	10.00
20.	Performance evaluation of Continuous Ambient Air Quality Monitoring Station (CAAQMS)/Analyzers in India and Networking of CAAQMS maintained by Industry (ongoing)	0.50
	Sub Total:	22.50
	Grand Total:	198.50

6.7 Urban Pollution Control Division (UPCD) (P-VI Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical Waste, E-waste & Vehicular Pollution))

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
1	Assessment of Aldehydes, ketones and Methane emissions in Vehicle Exhaust using various fuels (Ongoing)	11.87
2	Preparation of Comprehensive Industry Documents (COINDS) for Automobile Manufacturing Industries (Ongoing)	20.36
3	Status of the Pollution Generated from Road Transport Sector (Ongoing)	33.16
4	Inventorization of Railway sidings and Guidelines for their Environmental Management (Ongoing)	12.68
5	Development of Guidelines for Recycling/Disposal of Used Vehicles (Ongoing)	2.00
	Total:	80.07

6.8 ESS [Project Head- III (b)- Industrial Pollution Control (Standards, Enforcements and Technologies)]

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-III (b) Enforcement	
1.	"Monitoring & Compliance of Action Plans defined for identified 43 Critically Polluted Industrial Clusters" (ongoing)	40.00 (Cess: 100 Lakh)
2.	Monitoring of ESS Inspections & follow-ups (ongoing)	10.00
	Total:	50.00

6.9 Pollution Control Planning Division (PCP) {P- III (b) & VI}

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-III (b) Enforcement	
1	Co-ordination with SPCBs including assistance for subject specific programmes (ongoing)	54.88
2	(i) Office co-ordination (including Parliamentary matter infrastructure/ furniture, stationery to finance, administration and legal enforcement charges (ongoing) (ii) Salary of Director, Addl. Director & ESS staff	90.00 100.00
	Sub Total:	244.88
	Project Head-VI- Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	
	Municipal Solid Waste Management (MSW)	
3	Implementation of MSW Rules, 2000, Demonstration Projects and specific programmes (ongoing)	20.00 (RE: 300)
4	Projects under Cess Fund	
	(a) Complete Utilization-Tangible solution for MSW (Including inert)-mass balance study (New) (b) In-situ treatment of sewage (wastewater) with reference to odor control (New)	From MoEF From MoEF
	Sub Total:	20.00
	Plastics Waste Management (PWM)	
5	Implementation of Plastics Waste (Management & Handling) (Amendment) Rules, 2011 compliance verification of Honourable Supreme Court Orders and Assurances, Testing Charges of Sachets/pouches from CIPET, Salary of JRF, DEO/Steno, TA/DA Expenditures, Stationary Charges, Meeting Expenses etc.) (ongoing)	23.00
6	Life Cycle Assessment of Plastics Waste (ongoing)	17.00
	Sub Total:	40.00
	Grand Total:	304.88

6.10 PR Cell and Library {Project Head- IV (b) & IV (c)}

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	PR Cell- Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
1.	Exhibitions/Workshops/Mass Awareness Activities and Preparation of exhibition materials	10.00
2.	Publication of CPCB Technical Reports (on-going)	30.00
3.	Advertisements	5.00
4.	Operation & upkeep of Conference Halls, Committee Rooms & Training Hall, Hospitality Arrangements and strengthening of PR Activities	5.00
	Sub Total:	50.00
	Project Head- IV (c) Library	
5.	Purchasing of Books, Newspaper and Magazine	5.00
6.	Print+E-Subscription of Journals and Periodicals	(RE : 20)
7.	Purchasing of Furniture & Fixtures	2.00
8.	Automation of Library & Procurement of Software	2.00
9.	Binding of Journals and damaged publications	1.00
	Sub Total:	10 .00
	Grand Total	60.00

6.11 Hindi Cell {Project Head- IV (b) PR, Mass Awareness Programmes & Hindi}

S. No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
1	Hindi Workshops and Training Programme	0.75
2	Hindi Book writing/Noting-Drafting Incentive Scheme	0.75
3	Organizing function on Hindi Day, Head Office & Zonal Offices	1.25
4	Purchase of Hindi Books/Dictionary/Stationary	0.25
5	Purchase of new Computer, Printer and Furniture etc. for Hindi Section	0.50
6	Salary of Data Entry Operator-cum-Hindi Steno (contract)	1.00
7	Inspection of ZOs reg. use of Hindi-TA/DA expenses etc.	0.50
	Total:	5.00

6.12 Co-ordination Activity [P- III (b), III (c) & VI]

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project III- Industrial Pollution Control (standards, technologies and enforcements) Project III (b) –Enforcement	
01	Pollution Control Abatement (On-going) a. Mobile Tower related issues b. Expert Review Committee on Clean Technology and R & D Projects c. Single Window Clearance d. Parliament Queries, RTI etc	4.00
	Sub Total:	4.00
	Project III (c) -Technology	
02	Biomimetic Sequestration of CO ₂ into Calcium Carbonate Using Immobilized Enzyme and Whole Cell Bioreactor (New)	4.00
03	Cleaner Technology and R & D Projects	4.00
	Sub Total:	8.00
	Project VI- Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	
04	Development of implementation strategy for Hg management in Fluorescent Lamp Sector(On-going)	4.00
	Sub Total:	4.00
	Grand Total	16.00

6.13 AS Section {P- III (b) & IV (b)}

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project III- Industrial Pollution Control (standards, technologies and enforcements) Project III (b) –Enforcement	
1	National level and Regional level Conference of Chairmen & Member Secretaries of SPCBs/PCCs (Ongoing)	5.50
2	Board meetings including TA/DA of members (Ongoing)	3.00
3	Redressal of Public complaints (Ongoing)	0.25
4	Application received under Right to Information Act (Ongoing)	0.25
5	Staff salary: (One DEO & One JRF) (Ongoing)	5.00
	Sub Total:	14.00
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
6	Financial Assistance to NGOs for conducting programmes on Abatement of Pollution & Community Action Programme (Ongoing)	0.50
7	Training programmes for NGOs on prevention & Control of pollution (Ongoing)	0.25
8	Interaction meet with NGOs (Ongoing)	0.25
	Sub Total:	1.00
	Total	15.00

6.14 ETU-Training {Project Head – IV (a) : Training Programmes}

S. No.	Name of New & On-going Scheme	Allocation (□ In lakhs)
	Project Head – IV (a) : Training Programmes	
1.	Training (on-going) (a) National Training (b) International Training	50.00 2.00
2.	Ecomark (on-going)	0.50
3.	Design, Development and Implementation of Integrated Environmental management Systems in CPCB (on-going)	0.50
	Total	53.00

6.15 Hazardous Waste Management Division (Project Head –VI)

S.No.	Name of Schemes	Allocations (₹ in Lakh)
	Project VI- Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	
1	Implementation of Hazardous Waste Management Rules, 2008	30.00
2	Implementation of Bio-Medical Waste Management Rules, 1998.	5.00
3	Implementation of Battery Rules	5.00
4	Implementation of E-waste Management	10.00
	Total:	50.00

6.16 Building Project [Project Head-III- Industrial Pollution Control (standards, technologies and enforcements)]

S. No	Name of Schemes	Allocations (₹ in Lakh)
	Building Project {P-III (b) – Enforcement}	
1.	Maintenance of Parivesh Bhawan Building, Air quality Monitoring stations & Guest House, AMC of photocopier, EPABX, Security, Lawn , Housekeeping, APFC panel & AC, Telephone bills, Electricity bills, Water bills, MCD tax and Ground Rent of Parivesh Bhawan, Procurement of one no. computer with Printer and U.P.S and stationery (ongoing)	100.00
2.	Changing of Emergency DB and sub mains by copper wire (new)	1.00
3.	Miscellaneous Civil work, Lawn and Plantation and Electrical work in Parivesh Bhawan (ongoing)	5.00
4.	Renovation of Room No. 502, Toilets And Chairman and MS room and Conference Hall 2 nd floor (ongoing)	50.00
5.	Replacement of LT Panel including Switch and Bus Couplers in Sub-Station (ongoing)	10.00
6.	Replacement of 2nos. of old transformer 500 KVA to 750KVA OLTC (new)	(RE : 10)
7.	New copper earthing for sub-station, providing of 50mm x 6mm copper strips (new) .	2.00
8.	Fuel, Maintenance, Insurance, Road Tax, Hiring of vehicles and Purchase of two no. new vehicles-. (Ongoing)	40.00
	Total	208.00

6.17 Information Technology [Project Head-V & III (b)]

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head- V Information (Database) Management	
1	Environmental Data Bank (ongoing)	15.00
2	Online Emission Data Management (ongoing)	2.50
3	Operation, Maintenance & Strengthening of Computer Network (ongoing)	18.00
4	Integrated Data Transmission from Real Time System to CPCB (ongoing)	7.50
5	Infrastructural expenditure (ongoing)	1.00
	Total	44.00
	Project Head- III (b) – Enforcement	
6	Spatial Environmental Planning (ongoing)	6.00
	Sub Total:	6.00
	Grand Total:	50.00

7.0 PLANS & PROGRAMMES OF ZONAL OFFICES 2012-13

7.1 Zonal Office-Bangalore

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-I Pollution Assessment (Survey & Monitoring)	
1	Monitoring of Water Quality of Lakes in Bangalore (new) .	(RE: 1)
2	Water Quality Monitoring of intake points for Bangalore city (new) .	(RE: 3)
3	Surveillance of NAMP stations including review meeting (ongoing)	1.00
4	Surveillance of NWMP stations including review meeting (ongoing)	1.00
5	Monitoring of inter-state river water quality in Southern Zone (ongoing)	1.00
6	Study of HAPs comprising of VOCs, PAHs, Pesticides, Dioxins and Furans and heavy metals in problem areas and at important cities in South Zone (ongoing)	3.00
7	Chemical characterization Anions, Cations and PAH on ambient particulate matter at major cities of South Zone (ongoing)	2.00
8	Assessment of Air-borne microbial pollution in and around Municipal Solid waste management facilities at Bangalore (ongoing)	2.00
9	Air Pollution Modeling (new) .	(RE: 1)
10	Characterization of microbes associated with CETPs/ETPs in various industrial sectors (new) .	(RE: 2)
11	Monitoring of Metals in Ambient Air using Inductively Coupled Plasma at Bangalore City (new) .	(RE: 1)
	Sub Total:	10.00
	Project – II : Scientific and Technical Activities and R&D	
12	Development of Infrastructure facilities for preparedness of environmental monitoring in case of episodal pollution (new) .	(RE: 2)
13	Development of methodology for assessment of Non-Point Source of pollution (NPS) due to agriculture in an Riverine system (ongoing)	5.00
14	Operation and Maintenance of Networking of CAAQM stations at Bangalore and Chennai (ongoing)	1.00

15	Operation & Maintenance and development of the laboratory (ongoing)	25.00
16	Development of facilities for calibration of air pollution monitoring instruments and equipments (Ring Test Facility) (ongoing)	2.00
17	Accreditation/ Recognition for South Zonal Laboratory under NABL and E(P) Act (ongoing)	5.00
18	Statistical Analysis and Interpretation of Continuous Ambient Air Quality (CAAQM) data at Bangalore and Chennai (new) .	(RE: 1)
19	Evaluation of Biomedical Incinerator standards with respect to CO2 correction and waste combustion efficiency (new) .	(RE: 2)
	Sub Total	38.00
	Project Head- III (b) – Enforcement	
20	Payment salary, Rents, DA arrears, Water and Electricity charges etc. (ongoing)	120.00
21	Assessment of Environmental Compliance of Electroplating Units in Bangalore (new) .	(RE: 2)
22	Assessment of Pollution from Textile Dyeing units located in Tirupur, Tamil Nadu and measures taken to achieve ZLD (new) .	(RE: 3)
23	Life Cycle Assessment (LCA) of Distillery Spent Wash and pollution mitigation based on Environmental Economic Considerations (new) .	(RE: 3)
24	Performance assessment of Solvent Recovery systems installed in Bulk Drug and Pesticide Manufacturing units in Southern Zone (new) .	(RE: 2)
25	Assessment of Techno-economics of E-Waste Management (new) .	(RE: 1)
26	Assessment of Pollution Control Systems in Modern Rice Mills (new) .	(RE: 1)
27	Development & Assessment of Carbon Emission & fixation (through green belt) in Industrial Sector (new) .	(RE: 2)
28	Verification of compliance of pollution control standards by industries in southern zone, Environmental Surveillance Squad, Status of Comprehensive Environmental Pollution Index and follow up of court directions (ongoing)	16.00
29	Assessment of Reverse Osmosis (RO) Reject Management in CETPs and ETPs in various industrial sectors (new) .	(RE: 2)
	Sub Total	136.00

	Project Head-IV (a) Training Programmes	
30	Imparting various training programme (ongoing)	2.00
	Sub Total	2.00
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
31	Organizing mass awareness Programme (ongoing)	1.00
	Sub Total	1.00
	Project Head-IV (c) Library	
32	Development of library, procurement of journals, books, etc. (ongoing)	1.00
	Sub Total	1.00
	Project Head-V Information (Database) Management	
33	Digitization of documents of South Zonal Office, Bangalore (new).	(RE: 2)
34	Operation and Maintenance of computer systems and its peripherals, Local area networking (LAN), procurement of computers, software other items and AMC for computers, etc. (ongoing)	4.00
	Sub Total	4.00
	Project VI- Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	
35	In-vessel rapid composting system for urban households and commercial establishments (new).	(RE: 3)
36	Monitoring of Sewage Treatment Plant (ongoing)	1.00
37	Monitoring of Common Effluent Treatment Plant (ongoing)	1.00
38	Monitoring of Treatment, Storage and Disposal Facilities	1.00
39	Monitoring of Common Bio-Medical Waste Treatment Facility (ongoing)	1.00
	Sub Total	4.00
	Grand Total:	196.00

7.2 Zonal Office-Bhopal

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
Project – I : Pollution Assessment (Survey & Monitoring)		
1.	Surveillance of ambient air and water quality monitoring stations under NAMP/NWMP and regional workshop at Bhopal (ongoing)	3.00
2.	Environmental Status surface water bodies in Central Zone (ongoing)	1.50
3.	Disposal options of marble slurry in Rajasthan (ongoing)	2.00
4.	Study of Noise & Air Pollution during Diwali (ongoing)	2.50
5.	Review of implementation of action plans of CEPIs .	1.00
Sub Total :		10.00
Project – II : Scientific and Technical Activities and R&D		
6.	Development of laboratory and monitoring facilities including operation & maintenance of existing laboratory including payment towards rent, electricity, security (on Going)	42.35
7.	Operation & maintenance of surveillance vehicle (ongoing)	0.00
Sub Total :		42.35
Project Head- III (b) – Enforcement		
8	a. salary of technical & scientific staff b. ESS activities, follow-up and O & M Expenses	40.00 12.50
9	Monitoring of operational STPs, CETPs in Central Zone	2.50
10	Monitoring of CBMWTFs for verification of compliance of BMW Rules, investigation of public/VIP complaints and legal matters	2.00
11	Assessment of mercury in clinker cooler at Cement industries	1.00
12	Scienerio of fly ash disposal in Chhattisgarh State	1.00
13	Inventory of dolochar in sponge iron sector & beneficial disposal options and organizing workshop at Raipur	2.00
14	Laboratory cum Zonal Office Bhopal building construction	50.00
Sub Total :		111.00
Project – IV (a) : Training Programmes		
15	Nomination of officers/staff for training/workshops (ongoing)	1.00
Sub Total :		1.00
Project Head- IV (b) PR, Mass Awareness Programmes & Hindi		
16	Organizing mass awareness activities during World Environment Day, seminars on plastic & E-waste management and other events	3.00
Sub Total :		3.00
Project Head- IV (c) Library		
17	Development of library, subscription of journals /publications and purchase of CDs/software etc (on Going)	0.60
Sub Total :		0.60
Project –V : Information (Database) Management		
18	Replacement of computer and other accessories and operation & maintenance of existing computers (on Going)	4.00
Sub Total :		4.00
Project VI- Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)		
19	Monitoring of TSDFs for compliance verification	1.00
20	Verification of compliance of guidelines during Co-processing of Hazardous and other wastes at various industrial sectors in Central Zone and (Ongoing)	1.00
21	Performance evaluation of ETPs & Hazardous waste management in pharmaceutical industries	2.00
Sub Total :		4.00
Gross Total		175.95

7.3 Zonal Office-Kolkata

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-I Pollution Assessment (Survey & Monitoring)	
1.	Surveillance of Air and Water quality monitoring stations including AAQM in Kolkata (on-going)	0.50
2.	O & M of AQM at Canning under MALE Declaration (on-going)	7.00
3.	Interstate river water quality monitoring (on-going)	0.50
4.	Bio-monitoring of River Hooghly from Barrackpore to Falta Region (on-going)	0.50
5.	Impact of industries on the riparian land of river Haldi and socio-economic maladies	0.50
6.	Characterization of PM ₁₀ and PM _{2.5} in ambient air of Kolkata and Rural areas (on-going)	0.50
7.	Impact of Mangrove Ecosystem on emission of Green House Gases (on-going)	0.50
8.	Assessment of Volatile Organic Carbon in the major Traffic Intersection of Kolkata (on-going)	0.50
9.	Chemical characterization of ground water in Arsenic and Fluoride affected areas in eastern part of India (on-going)	0.50
10.	Suspended sediment and sediment associated contaminants in Hooghly and Mahanadi estuary (on-going)	0.50
11.	Assessment of Water Quality of rivers in Hilly Region (on-going)	0.50
12.	Implementation of Cleaner Production Concept in SMEs – Barriers and Opportunities	0.50
13.	Study of Waste Management Practices in Railway Workshops (Eastern & South Eastern Railway)	0.50

14.	Status of Cement Plants (Eastern Region)	0.50
15.	Study of Environment Management Practices in Rice Mills	0.50
16.	Status of Environmental Management in Iron Ore Crushers of Eastern Region	0.50
17.	Assessment of Environmental Management Practices in Beehive Coke Oven in Jharkhand	0.50
18.	Environmental Status of STP and Solid Waste Management in Residential Housing Complexes in Kolkata	0.50
19.	Status of Environmental Management in Ferro Alloy industries in Eastern Region	0.50
20.	Workshop on Pollution Control Equipment in Secondary Iron & Steel Industries	0.75
21.	Workshop on Biomedical Waste Management Rules 2011 in Eastern Region	0.75
22.	Assessment of Dust Characterization in Kolkata	0.50
23.	Treatment of Coke Oven Effluent for Cyanide Removal using ferrate ion	0.50
	Sub Total:	18.50
	Project-II : Scientific and Technical Activities and R&D	
24.	Strengthening O & M of Laboratory including salary of SRFs/JRFs, Payment of Electricity, Telephone, Society Maintenance, Security, Rent, AMC, Insurance, Cleaning Service & others	50.00
25.	Procurement of Chemicals, Glassware & Filter paper etc.	4.00
	Sub Total:	54.00
	Project Head- III (b) – Enforcement	
26.	ESS and related activities like performance of TSDF, CBMWTF, STP, CETP including Officers Salary and others.	70.00

27.	Running and maintenance of vehicles in execution of plan activities	2.00
	Sub Total:	72.00
	Project Head-IV (a) Training Programmes	
28.	Nomination for training programmes/workshops	2.00
	Sub Total:	2.00
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
29.	Mass awareness programme	2.00
	Sub Total:	2.00
	Project Head- IV (c) Library	
30.	Development of library	0.50
	Sub Total:	0.50
	Project Head-V Information (Database) Management	
31.	Database management	1.00
	Sub Total:	1.00
	Grand Total	150.00

7.4 Zonal Office-Lucknow

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-I Pollution Assessment (Survey & Monitoring)	
1	O & M of AAQM at Lucknow	11.00
2	Inspection of NAMP & MINARS station located in North Zone	1.00
3	Monitoring of Interstate Rivers	2.00
4	Generation of Base Line Environmental Quality Data (Ambient Air and Water)	1.00
	Sub Total:	15.00
	Project – II : Scientific and Technical Activities and R&D	
5	Lab Operation and Maintenance	22.00
6	Lab Development	(RE : 28.00)
7	Geo-environmental investigation and pilot scale remediation of soil and groundwater in identified area of north Zone	4.00
	Sub Total:	26.00
	Project Head- III (b) – Enforcement	
8	Salary of Technical & Scientific Staff	76.00
9	ESS Activities and O&M Expenses	42.00
10	Comparative Evaluation of Economics and Pollution Potential in Grain based and Molasses based Distilleries	1.00
11	Pollution Assessment in Battery Recycling Units	1.00
	Sub Total:	120.00
	Project Head-IV (a) Training Programmes	
12	Training Activities	1.50
	Sub Total:	1.50
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
13	Mass Awareness	1.50
	Sub Total:	1.50
	Project Head- IV (c) Library	
14	Library Development	2.00
	Sub Total:	2.00
	Project Head-V Information (Database) Management	
15	Information (Database) Management	8.00
	Sub Total:	8.00
	Total (A):	174.00

	Project Office- Agra	
	Project Head-I Pollution Assessment (Survey & Monitoring)	
1.	Environmental Status of one city in Taj Trapezium Zone.	1.00
2.	Operation and Maintenance of Met System & SODAR	4.00
	Sub Total:	5.00
	Project – II : Scientific and Technical Activities and R&D	
3.	Operation & Maintenance of laboratory including AAQMS	27.50
4.	Characterization of RSPM & Rain water samples	1.00
	Sub Total:	28.50
	Project Head- III (b) – Enforcement	
5.	Salary of Scientific & Technical Staff	20.00
6.	Inspection & monitoring of CETP, STP, CBMWTF, Implementations, Public complaints, Parliament questions, interaction/ meeting with local Govt.	0.50
	Sub Total:	20.50
	Project Head-IV (a) Training Programmes	
7.	Training	0.50
	Sub Total:	0.50
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
8.	Mass Awareness Activities & Implementation of Rajbhasa	0.50
	Sub Total:	0.50
	Project Head- IV (c) Library	
9.	Development of Library, purchase of journals, Newspapers, Books	0.50
	Sub Total:	0.50
	Project-V Information (Database) Management	
10.	Data Base Management at Agra Office	1.50
	Sub Total:	1.50
	Total (B):	57.00
	Grand Total (A+B) :	231.00

7.5 Zonal Office-Shillong

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	Project Head-I Pollution Assessment (Survey & Monitoring)	
1	Co-ordination with State Boards (including visit) regarding Strengthening & Implementation of various Rules/Regulations; Surveillance of NAMP and NWQMP stations (ongoing)	1.00
2	Vehicular Emission Load of Shillong (ongoing)	0.40
3	Status Report on Hazardous Wastes Generating Units in NE-States (ongoing)	0.30
4	Water quality assessment in major International/Interstate Boundary Rivers, Polluting River Stretches and Lakes in the NE region (ongoing)	0.50
5	Assessment of Ambient Air and Water Quality in and around Coal Mining areas of Jayantia Hills, Meghalaya (ongoing)	0.30
6	Effect of Cement Industries on Air Environment in Lumshnong, Meghalaya, the Cement Capital of North East (ongoing)	0.20
7	Environmental Status of Coal Mining areas of Assam and Arunachal Pradesh (ongoing)	0.40
8	Impact of Jhum Cultivation on Ambient Air Quality in Mizoram-Manipur-Assam-Meghalaya (ongoing)	0.50
9	Bio mapping of Barak River and its Tributaries (ongoing)	0.40
	Sub Total:	4.00
	Project-II : Scientific and Technical Activities and R&D	
10	Strengthening and Development of Laboratory and Rent for Lab Building (ongoing)	6.00
11	Operation and Maintenance of Laboratory including Salary of SRF/JRFs, Security Personnel and Sweeper Cum Cleaner (ongoing)	9.00
	Sub Total:	15.00
	Project Head- III (b) – Enforcement	
12	(i) Salary of Technical & Scientific Staffs	35.00
	(ii) ESS activities and O & M Expenses	8.00
13	Running and Maintenance of Monitoring Vehicle	2.00
	Sub Total:	45.00
	Project Head-IV (a) Training Programmes	
14	Nomination for Training/Workshop (ongoing)	0.50
	Sub Total:	0.50
	Project Head- IV (c) Library	
15	Development of library (Purchase of Books, Periodicals etc) (ongoing)	0.10
	Sub Total:	0.10

	Project Head-V Information (Database) Management	
16	Database Management (including purchase of PC and laptops) (ongoing)	1.40
	Sub Total:	1.40
	Project – VI : Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	
17	Monitoring the Implementation of MSW Demo-projects in NE States and the Status of MSW Management in NE States, including Monthly Hiring of Vehicles (ongoing)	4.00
	Sub Total:	4.00
	Grand Total:	70.00

7.6 Zonal Office-Vadodara

S.No.	Name of Schemes	Allocations (₹ in Lakh)
	Project-I : Pollution Assessment (Survey & Monitoring)	
01.	Surveillance of Water Quality and Ambient air quality monitoring stations (New).	0.50
02.	Inter State river monitoring in Gujarat and Maharashtra (New).	2.00
03.	Performance of CETPs in Gujarat and Maharashtra (New).	2.00
04.	Performance of STPs in Gujarat and Maharashtra (New).	2.00
05.	Performance of CBMWTFs in Gujarat and Maharashtra (New).	2.00
06.	Monitoring of VOCs in industrial areas at Vatva in Gujarat and Patalganga in Maharashtra.	4.50
	Sub Total	13.00
	Project – II : Scientific and Technical Activities and R&D	
07.	-Strengthening, operation & maintenance of Laboratory and Office. - Procurement of Glassware, chemicals.	13.50
08.	Annual Maintenance Contract of Instruments. (New)	3.00
09.	Running and maintenance of Office Vehicles. (New)	3.00
	Sub Total	19.50
	Project Head- III (b) – Enforcement	
10.	ESS Programmes and Public Complaints- including salaries of officers (New)	90.00
11.	Maintenance of Parivesh Bhawan (new office – cum – lab)	20.00
	Sub Total	110.00
	Project-IV (a): Training Programmes	
12.	Registration fees and TA/DA for attending the training programmes (New)	1.50
	Sub Total	1.50
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
13.	Creation of Mass Awareness Programmes like - -Organizing Training Programme for School Teachers. -Organizing Awareness programme for school children (New).	0.50
	Sub Total	0.50

	Project Head- IV (c) Library.	
14.	Development of Library (New)	1.00
	Sub Total	1.00
	Project Head-V Information (Database) Management	
15.	-Up gradation of Data base Management including maintenance of LAN. -Replacement of old computers and purchase of new computers, Printers, Scanners. -Comprehensive Annual Maintenance Contracts.	4.50
	Sub Total	4.50
	Grand Total	150.00

Details of Break-up of Plan Fund for the year 2012-13

Salaries		Financial Assistance		Air, Water & Noise Monitoring		O&M Expenses		Training		Mass Awareness & Library		Pollution Abatement Studies		Lab Studies		Information		Waste Management	
		HO	ZO	HO	ZO	HO	ZO	HO	ZO	HO	ZO	HO	ZO	HO	ZO	HO	ZO	HO	ZO
5	120 (Ban)	Nil	1815	10 (Ban)	25 (Ban)	53	2 (Ban)	65	2	484.68	16 (Ban)	118.3	13 (Ban)	44	4 (Ban)	194.07	4		
100	40 (Bh.)			10 (Bh.)	12.50 (Bh.)		1 (Bh.)		3.6 (Bh.)		58.50 (Bh.)		42.35 (Bh.)	4	4 (Bh.)		4		
	70 (Kol)			18.5 (Kol)	50 (Kol)		2 (Kol)		2.5 (Kol)		2 (Kol)		4 (Kol)	1	1 (Kol)		Nil		
	76 (Luc)			15 (Luc)	42 (Luc)		1.5 (Luc)		3.5 (Luc)		2 (Luc)		26 (Luc)	8	8 (Luc)		Nil		
	20 (Agra)			5 (Agra)	27.5 (Agra)		0.5 (Agra)		1 (Agra)		0.5 (Agra)		1 (Agra)	1.5	1.5 (Agra)		Nil		
	35 (Shil)			4 (Shil)	19 (Shil)		0.5 (Shil)		0.10 (Shil)		Nil (Shil)		6 (Shil)	1.4	1.4 (Shil)		Nil		
	90 (Vad.)			13 (Vad.)	26 (Vad.)		1.5 (Vad.)		1.5 (Vad.)		Nil (Vad.)		13.5 (Vad.)	4.5	4.5 (Vad.)		Nil		
Total	105	451	50	1815	298	53	9	65	14.2	484.68	79	118.3	105.85	44	24.4	194.07	12	420	

Grand Total (HO+ ZOs) : ₹ 3227.05 Lakh + ₹ 972.95 Lakh = ₹ 4200 Lakh or ₹ 42.00 crores