

# Annual Action Plan 2014-15

(To be approved by Central Board)



Central Pollution Control Board  
Parivesh Bhawan, East Arjun Nagar,  
Delhi-110032  
(15<sup>th</sup> May, 2014)

## Protocol for Implementation of Annual Action Plan- 2014-15

- I. Plan allocation for the year 2014-15 (Plan) is ₹ 57.92 crores.
- II. Divisions and Zonal Offices (ZO) to seek administrative approvals before **31<sup>st</sup> May, 2014**.
- III. Divisions /ZOs to lay emphasis for completing schemes and initiate process for awarding new schemes as per the laid procedures.
- IV. Divisions/ZOs to organize monthly meetings at Divisional level between 1st to 4th day of every month and forward monthly/quarterly progress reports (MPRs/QPRs) to PCP Division between **5th-7th** day of respective month.
- V. Divisions/ZOs to assign work to each Officer/Staff as per AAP and under the other sponsored projects.
- VI. Prepare monthly physical and financial targets and monitoring at the level of Divisional Head/ZO and forwarding progress to Director/PCP Division.
- VII. Divisions/ZOs to maintain records of plan expenditure on monthly basis and forward to PCP Division and ACO (Accounts Section) at least on major expenditures.
- VIII. Placing administrative approval to MS and CCB through Director/PCP and after scrutiny by F&A Division.

**(A.B. Akolkar)**  
Member Secretary

## 1.0 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 and control 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 2014-15 lays emphasis on strengthening of environmental monitoring network, review of existing standards and development of new 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 strengthening of existing Zonal Offices. The Action Plan focuses on new thrust area like Air Quality Index, setting-up of continuous water and air quality monitoring facilities and enforcing industries to install continuous online emission and effluent systems.

## 2.0 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.

### **3.0 Achievements of 2013-14**

#### **3.1 Assessment of Pollution**

- Installed eight (8) Real-Time Water Quality Monitoring Stations (RTWQMS) on river Ganga and two (2) on river Yamuna.
- Water Quality Monitoring (WQM) stations conducted at two thousand five hundred (2500) locations covering 445 rivers, 154 lakes, 12 tanks, 78 ponds, 41 sea water, 45 drains, 10 water treatment plants and 807 wells.
- Out of 700 manual ambient air quality monitoring stations, 573 Stations in 240 cities/towns are in operation.
- Noise monitoring continued at 5 locations in 7 cities. (Delhi, Chennai, Mumbai, Lucknow, Bangalore, Hyderabad and Kolkata). The process for strengthening the noise monitoring network by incorporating additional 35 stations in the same 7 cities is under process.
- Operated 15 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in 4 cities i.e. Chennai, Bangalore, Delhi and Lucknow. The real time data from 12 stations is available on CPCB's website. About 50 CAAQMS have been established by SPCBs in different cities/towns.

- Based on the 3 years (2008-2010) ambient air quality data, 95 Non-Attainment cities/towns have been identified for preparation of Action Plan for these cities.
- Monitoring of Dioxin/Furan in Ambient Air was undertaken at 2 (two) locations in Delhi during Deepawali 2013.
- Prepared status report of water quality in India (2011).
- One hundred and ninety three (193) CAAQMS installed by SPCBs/Industries integrated in CPCB network and the data is being received from 100 stations. Real time data from 127 stack emission monitoring system is also received.
- Under National Ganga River Basin Authority (NGRBA) programme, CPCB monitored 304 Polluting Industries (GPI) located on the Ganga river and issued directions to 35 non-complying units under Section 5 of E (P) Act, 1986. Sixty two (62) major drains were monitored out of the 138 drains discharging sewage directly to river Ganga.

### **3.2: Industrial Pollution Control**

- Emission standard for New Generator Sets (upto 19KW) Run on Petrol & Kerosene have been notified besides four (4) environmental standards have been finalized and forwarded to Ministry of Environment & Forests (MoEF).
- Two hundred one (201), 17- categories of highly polluting industries have been inspected and directions under section '5' of Environment (Protection) Act, 1986 issued to 155 non-complying industries, besides, issuing 11 directions under 18 1(b) issued to concerned SPCBs/PCCs for taking appropriate action against defaulting industries.

### **3.3: Waste Management**

- Trial run for disposal of union carbide waste initiated at common TSDF Pithampur (MP).
- Prepared guidelines for management and handling of Phospho-gypsum waste.
- The study of Life Cycle Assessment of plastic products completed and report prepared.
- Carried out inspections of STPs, CETPs, TSDFs, CBMWTFs and SLF.
- Completed "Study on Quantification and Characterization of Plastic Waste in 60 major cities" in India and report finalized.
- Compiled implementation status of Plastic waste (Management and Handling) (Amendment) Rules, 2011.

- Compiled status of implementation of E-waste Rules for the year 2013-14.
- Prepared road-map for implementation of ROHS regulation.

#### **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.
- Published technical and scientific reports and organized mass awareness programmes.
- Conducted three (3) National training programmes on various environmental pollution and prevention areas. These programmes were attended by staff of CPCB and SPCBs.
- Maintained Real Time Air Quality Data Network of 42 CAAQMS.

#### **4.0 Thrust Areas for 2014-15**

##### **4.1 Assessment of Pollution:**

- Setting-up of Thirty three (33) Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in cities with population more than one Million plus and in CEPI areas based on pollution pays principle.
- Air Quality Index (AQI) to be evolved for ranking of Ambient Air Quality (AAQ) status in cities/towns.
- Demonstration of UrbAir India-A decision support system for Urban Air Quality Management.
- Setting-up of Real Time Water Quality Monitoring Stations (RTWQMS) on 150 polluted river stretches.
- Commissioning of 127 non-operational stations in different States/UTs to operationalise the sanctioned 700 manual ambient air quality monitoring stations (AAQMS).

##### **4.2 Industrial Pollution:**

- Follow-up on 17 categories of polluting industries to install on-line stack emission and effluent monitoring system.

- Assessment of CEPI score on 88 critically polluted area and monitoring of action plan for these areas. CPCB in collaboration with SPCBs/PCCs will carry out health-based surveys in the critically polluted areas involving third party agency for monitoring through contribution from industries on Polluter Pays Principle.
- Development of Environmental Standards for 7 categories of industries.

#### **4.3 Waste Management:**

- Implementation of Municipal Solid Waste and Plastics Waste Management Rules specially in 60 cities (State Capitals, Metro Cities and Religious Places).
- Emphasis on inventorisation of wastes including quantification and characterization (hazardous waste, bio-medical, plastics, electronic, batteries, and municipal solid wastes)

#### **4.4 R&D Activities:**

- Central laboratories at Head Quarter and four Zonal Laboratories will be strengthened to have National Accreditation Board for Testing and Calibration Laboratory (NABL) accreditation, certification under OSHA 18001 and recognition as Environmental Laboratories under EPA.
- Laboratories will be equipped to analyze 48 parameters relating to liquid effluents, and 40 parameters with respect to gaseous emissions and ambient air.

#### **4.5 NGRBA Activities:**

- All the major water polluting industries located in Ganga Basin to install real time effluent quality monitoring systems.
- Installation of 113 Real Time Water Quality Monitoring Stations on river Ganga.
- Assessment of 8 contaminated sites for preparation of remediation plan.

5.0 : Budget Allocation for 2014-15

5.1 : Project Head-wise Budget Allocation for 2014-15:

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

Budget Heads	Title of the Budget Head	Allocation (₹ in Lakh)		
		Head Office	Zonal Offices	Total
I	Pollution Assessment (Survey and Monitoring)	1395.0	61.75	1456.75
II	Scientific, Technical Activities and R&D Activities	266.0	278.5	544.5
III	<b>Industrial Pollution Control (standards, enforcements and technologies):</b>			
	a) Standard Development	294.0	-	294.0
	b) Enforcement	1694.0	1152.0	2846.0
	c) Technology	110.5	-	110.5
IV	<b>Training and Awareness:</b>			
	a) Training Programmes	65.0	13.0	78.0
	b) PR, Mass Awareness Programmes & Hindi	44.0	5.5	49.5
	c) Library	26.0	5.75	31.75
V	Information (Database) Management	145.0	19.5	164.5
VI	Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)	205.5	11.0	216.5
	<b>Total</b>	<b>4245.0</b>	<b>1547.0</b>	<b>5792.0</b>

**5.2 : Division-Wise & Zone-Wise Budget Allocation for 2014-15:**

**Part-A: HEAD OFFICE**

<b>Name of the Division/Section</b>	<b>Allocation (₹ in Lakh)</b>
Pollution Assessment Survey & Monitoring	1395.0
Laboratory Management & R & D Division	266.0
Pollution Control Implementation – I	123.0
Pollution Control Implementation –II	123.5
Pollution Control Implementation –III	73.0
SSI Division	180.0
Urban Pollution Control Division	35.5
ESS	350.0
Pollution Control Planning Division (PCP)	1005.0
PR & Library	63.0
Co-ordination Section	8.0
AS Section	18.0
Environmental Training Unit	63.0
Hazardous Waste Management	55.0
Building Section	325.0
Information Technology	155.0
Hindi Cell	7.0
<b>TOTAL (A)</b>	<b>4245.0</b>

**Part-B: ZONAL OFFICE**

<b>Name of the Zonal Office</b>	<b>Allocation (₹ in Lakh)</b>
Bangalore	373.5
Bhopal	167.0
Kolkata	295.0
Lucknow & Agra	357.5
Shillong	112.0
Vadodara	242.0
<b>TOTAL (B)</b>	<b>1547.0</b>

**Grand Total (A+B) = ₹ 5792.0 Lakh**

6.0 : PLANS & PROGRAMMES OF HEAD OFFICE 2014-15

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

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
1.	<b>Water Quality Monitoring of 2500 stations under NWMP and addition of 500 new WQMS (ongoing)</b>	5.0 (Cess Fund: ₹8.0Crores)
(i)	Comprehensive Study of Polluted Stretches (new)	(Cess Fund)
(ii)	Real Time Water Quality Monitoring Stations (RTWQMS) (new)	(NGRBA Fund: ₹30.0 Crores)
(iii)	Development of GIS Based Web Portal on Water Quality. (new)	55.0
	<b>Sub Total</b>	<b>60.0</b>
2	<b>National Ambient Air Quality Monitoring Programme (NAMP)</b>	
(i)	Operation and Maintenance of AAQ Monitoring Stations (ongoing) (2014-15)	900.0
(ii)	Strengthening of National Air Quality Monitoring Programme including monitoring of PM <sub>2.5</sub> and other pollutants. (ongoing) (2014-15)	50.0 (RE: 950.0)
(iii)	Calibration of NAMP stations (new)	75.0
(iv)	Strengthening of NAMP Stations (2014-15)	(Cess Fund: ₹ 1.12)
3 (i)	Strengthening National Ambient Noise Monitoring Network (NANM) with addition of 35 new stations (ongoing) (2014-15)	275.0 (Cess Fund: ₹ 225.0)
3 (ii)	Source Identification and Mitigation Activities for Noise Pollution using Noise Mapping and Prediction Technology (2014-15)	(Cess Fund: ₹ 150.0)
3 (iii)	Effects of Noise Pollution on Human Health in 7 Metro Cities (2014-15)	(Cess Fund: ₹ 73.0)
3 (iv)	Operation and Maintenance of Existing 35 Noise Monitoring Stations (2014-15)	(Cess Fund: ₹ 52.0)
4.	<ul style="list-style-type: none"> <li>• Status of water Supply, Wastewater Generation and its generation in Class – I Cities and Class-II Town in India (new)</li> <li>• Performance Evaluation of Sewage Treatment Plants in Delhi and NCR (new)</li> </ul>	30.0
5.	Monitoring Water Quality of Interstate Rivers (ongoing) (2014-15)	5.0

<b>6.</b>	<b>Hydrology Project: 2014-15</b>	<b>(MoWR Fund)</b>
(i)	Real-time Water Quality Monitoring	1.12 crores
(ii)	GIS Portal on Water Quality	2.00 crores
<b>7.</b>	<b>NGRBA (NCGM) Schemes</b>	<b>(MoEF Fund)</b>
(i)	Pollution Inventorisation & Surveillance on River Ganga (2011-16)	34.77 crores
(ii)	Strengthening of Environmental Regulators (2013-2021)	69.26 crores
(iii)	Real-time Water Quality Monitoring Systems for River Ganga (2013-2020)	94.45 crores
	<b>Sub Total</b>	<b>1335.0</b>
	<b>Grand Total</b>	<b>1395.0</b>

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

Scheme No.	Name of Schemes	Allocations ( ₹ in Lakh)
AL – (G)	AIR LABORATORY (AL)	
1	Routine Operation Laboratory in accordance with EP Act, 1986 (ongoing) (2014-15) <ul style="list-style-type: none"> <li>Maintenance of Laboratory Instruments/Equipments and Calibration</li> </ul>	05.0
2	Monitoring of 12 notified parameters under National Ambient Air Quality Standards Continuous Operations (2014-15) <ul style="list-style-type: none"> <li>Operation &amp; Maintenance of 2 CAAQMS and one DOAS System in Delhi</li> <li>Procurement of PM<sub>10</sub> and PM<sub>2.5</sub> Monitor and BTX Analyzer</li> </ul>	65.0 <b>(RE: 55.0)</b>
3	Source emission monitoring (gradual development for all parameters notified under sources emission) (ongoing) (2014-15)	05.0
4	Continuance of on – going activities <ul style="list-style-type: none"> <li>Continuance PAH monitoring in Delhi</li> <li>Continuance VOC monitoring (including procurement of low flow batteries and CRM)</li> <li>Inspection/auditing of vehicular pollution checking centers, authorized by Directorate of Transport, Govt. of Delhi</li> <li>Continuance of monitoring of Ambient Air Quality in Himalayan Region</li> </ul>	05.0
5	Studies of exposure of Benzene pollution on health impact on workers at petrol pumps in NCR (new)	10.0
6	Establishment of 33 continuous Ambient Air Quality Monitoring Stations in Million-plus Cities, State Capitals, religious and historical places. ( 15 one million cities + 18 State Capitals) (new)	5.0 <b>(RE: 1810.0)</b>
7	NABL Accreditation of CPCB Laboratories under ISO 17025 (ongoing) (2014-15)	6.0
8.	Strengthening of existing 14 Continuous Ambient Air Quality Monitoring (CAAQM) Stations to Monitoring 7 Parameters out of 12 as per NAAQS: 2009 (2014-15)	(Cess Fund: ₹ 1.20 crores)
	<b>Sub Total:</b>	<b>101.0</b>

<b>AL – (S)</b>		
9	Operation of Laboratory for analysis of Ambient air and Source in accordance with NABL	17.0
10	Operation and Maintenance of NAMP stations in Delhi and SODAR and purchase of Meteorology Station at CPCB	30.0
11	Implementation of OHSMS : IS 18001 / ISO 9001 for Central laboratories and Zonal Laboratories ( <b>ongoing</b> ) (2014-15)	5.0
12	Impact Assessment Studies (Materials) (2014-15)	8.0
13	Development of Regional Training Centre for South Asian countries under Male Declaration ( <b>ongoing</b> ) (2014-15)	4.0
14	Baseline Survey of Industries in Maharashtra, Gujarat, Tamil Nadu under Emission Trading Scheme	(Cess Fund: ₹ 3.97 crores)
	<b>Sub Total</b>	<b>64.0</b>
<b>WATER LABORATORY (WL)</b>		
15	Analytical quality control (AQC/ water) for Central and State Pollution Control Boards, Pollution Control Committees & for Laboratories recognized under E.P. Act	2.0
16	Sludge Reagent Product (SRP) Project: Operation and demonstration of Pilot Water Treatment Plant based on SRP Technology installed at Bhagirathi Water Treatment Plant (DJB), Gokulpuri, Delhi ( <b>ongoing</b> ) (2014-15)	11.0
17	Laboratory Management (Salary for Temporary/Project staff, Instruments, equipment, maintenance)	9.5
18	Pollution load of drains joining to river Yamuna and sediment quality of River Yamuna from Ponta-Sahib to Allahabad. ( <b>ongoing</b> )	2.0
19	Assessment of Arsenic and Fluoride in ground water quality of Rajasthan ( <b>ongoing</b> ) (2014-15)	1.5
	<b>Sub Total</b>	<b>26.0</b>
<b>BIO-SCIENCE LABORATORY (BL)</b>		
20	Microbiological assessment of River Ganga (Tributaries), Yamuna and drains and Bio-monitoring of river Ganga. ( <b>ongoing</b> ) (2014-15)	7.0
21	Toxicity evaluation of water and waste water at critically polluted areas ( <b>ongoing</b> ) (2014-15)	1.5
22	Miscellaneous, routine Lab activities, assistance to other Divisions etc. ( <b>ongoing</b> ) (2014-15)	2.0
	<b>Sub Total</b>	<b>10.5</b>
<b>INSTRUMENTATION LABORATORY (IL)</b>		
23	Studies on correlation between COD, BOD and TOC in complex environmental matrices like water, waste water, sewage and industrial effluents ( <b>ongoing</b> ) (2014-15)	2.0

24	Trace Metal Characterization of waste water and sludge generated from CETP's using Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES). <b>(ongoing)</b> (2014-15)	2.5
25	Annual Maintenance Contract, of various Instruments, purchase of Spares. Refilling of gases, insurance of assets and lab staff.	15.0 <b>(RE:10.0)</b>
26	Recognition of environmental laboratories under the E(P)A 1986 (Collaborative activity with NRTOL)	2.0
	<b>Sub Total:</b>	<b>21.5</b>
<b>NATIONAL REFERENCE TRACE ORGANIC LABORATORY (NRTOL)</b>		
27	Measurement of hazardous organic compounds Dioxin (PCDDs) and Furan (PCDFs) in environmental samples (Procurement of Reference Standards + other items) <b>(routine)</b> (2014-15)	4.0
28	Volatile Organic Compounds (VOCs) measurement in Ground/Surface water samples by purge and trap GC-MS in Critically Polluted Areas <b>(ongoing)</b> (2014-15)	1.5
29	Development and Standardization of Methodology for Determination of Specific Pesticides in Aqueous and Solid Environmental Samples <b>(new)</b>	2.5
30	Monitoring of pesticides residues at national level - Sponsored project by Ministry of Agriculture / IARI, New Delhi <b>(ongoing)</b> (2014-15)	<b>IARI Fund</b>
31	Methodology Development and standardization of Trace Organics Parameters (Chlorobenzene) as per Notification under the Environment (Protection) Act, 1986 <b>(new)</b>	3.0
32	Annual Maintenance contract for Air Handling Unit, HRMS and other equipments/instruments analytical gases, insurance of assets/staff/spares etc.	25.0
33	Inter-laboratory PT Participation for HQs Laboratory & CPCB Zonal Office Laboratories	5.0
34	Recognition of Laboratories under the Environment (Protection) Act, 1986 <b>(ongoing)</b>	2.0
	<b>Sub Total:</b>	<b>43.0</b>
	<b>Grand Total</b>	<b>266.0</b>

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 Lakh)
	<b>Project Head: III (a) Standard Development</b>	
1	Preparation of COINDS & revision of status on Pesticide Industry ( <b>ongoing</b> ) (2014-15)	35.0
2	Review of Emission Standards and Preparation of COINDS document on Man-made fiber industry. ( <b>ongoing</b> ) (2014-15)	10.0
3	Preparation of COINDS and Development of Emission Standards for Paint Industry. ( <b>ongoing</b> ) (2014-15)	6.0
4	Preparation of COINDS on Pharmaceutical industry and Development of Emission Standards including VOCs ( <b>ongoing</b> ) (2014-15)	30.0
5	Preparation Of Comprehensive Industry Document: Development of Emission and Effluent Standards for Single Super Phosphate Plants (in house project) ( <b>ongoing</b> ) (2014-15)	3.0
6	Review of Environmental Standards of Caustic Soda industry (Membrane cell) and preparation of COINDS on Caustic soda ( <b>new</b> )	10.0
	<b>Sub Total:</b>	<b>94.0</b>
	<b>Project Head – III (b) : Enforcement</b>	
7	National task force for implementation of Pollution control measures; (I) Oil Refineries, (II) Petrochemicals, (III) Dye & Dye Intermediates, Pharmaceuticals, Pesticide, (IV) Chlor-Alkali and Fertilizer industries ( <b>new</b> )	20.0
8	Implementation of Standards, ESS activities, Public Complaint investigations , court matters and inventory of hazardous chemicals in India ( <b>ongoing</b> )	9.0
	<b>Sub Total</b>	<b>29.0</b>
	<b>Grand Total</b>	<b>123.0</b>

**PCI-II**

**6.4 : Pollution Control Implementation-II (Project Head-III- Industrial Pollution Control (Standards, Enforcements and Technologies))**

Sr. No	Name of Scheme	Allocations (₹ in Lakh)
<b>Project III (a): Standard Development</b>		
1	Assessment of mercury emission and development of guidelines for control of mercury from coal and lignite based power plant, steel sector etc. Assessment of mercury emission form steel sector <b>(ongoing)</b> (2014-15)	2.0
2	Development of standards for NO <sub>x</sub> and SO <sub>x</sub> IN Thermal Power Plant <b>(new)</b>	20.0
3	Review of coal mine standard <b>(new)</b>	15.0
4	Harmonization and revision of environmental standards for iron and steel sector <b>(ongoing)</b> (2014-15)	25.0
5	Status report on environmental performance of sponge iron sector. <b>(ongoing)</b> (2014-15)	2.5
6	Comprehensive industry documents and environmental standards for bauxite mining <b>(new)</b>	5.0 <b>(RE: 30.0)</b>
<b>Sub Total</b>		<b>69.5</b>
<b>Project III (b): Enforcement</b>		
7	National task force implementation of pollution control measures in TPPs, Iron & Steel Industry, Genset Industry, Cement Industry, Aluminium, Lead, Copper & Zinc Smelting units, and preparation of guidelines. Compliance of fire crackers norms. Preparation of guidelines on post closure of ash pond in thermal power plant etc.	20.0
8	National committee on Emission from RIC engine, noise Pollution and noise level monitoring in & around Wildlife Sanctuaries/National Parks of India <b>(ongoing)</b> (2014-15)	3.0
9	Compliance of fire crackers norms <b>(ongoing)</b> (2014-15)	1.0
<b>Sub Total</b>		<b>24.0</b>
<b>Project III (c): Technology</b>		
10	Urban Air India : Decision support system for air quality management (Regular Activity)	25.0
11	Development of uniform air quality index(AQI) for Indian cities <b>(new)</b>	5.0
12	Recovery of Alternate Fuels & Raw Material and Treatment of Organic Hazardous Water through Co-processing in Resource & Energy Intensive Industry in India (2014-15)	SINTEF Fund
<b>Sub Total</b>		<b>30.0</b>
<b>Grand Total:</b>		<b>123.5</b>

PCI-III DIVISION

**6.5 : Pollution Control Implementation-III {Project Head-III- Industrial Pollution Control (Standards, Enforcements and Technologies)}**

Sr. No.	Name of the Project (As per Annual Action Plan)	Allocations (₹ in Lakh)
	<b>Project III (a) – Standard</b>	
1.	Development of Standards and guidelines for Grain based Distilleries ( <b>ongoing</b> ) (2014-15)	6.0
2.	COIND for slaughter house including effluent standards ( <b>ongoing</b> ) (2014-15)	16.0
3.	COIND and development of environmental standards and guidelines for edible oil and vanaspati refineries ( <b>new</b> )	10.0
4.	COIND and development of environmental standards and guidelines for dairy industries ( <b>new</b> )	10.0
	<b>Sub Total:</b>	<b>42.0</b>
	<b>Project III (b) – Enforcement</b>	
5.	Performance evaluation of air pollution control devices (APCD) in Sugar mills ( <b>ongoing</b> ) (2014-15)	4.0
6.	Performance evaluation of incineration boiler in Distilleries ( <b>new</b> ). ( <b>in-house</b> )	3.0
7.	Guidelines for environmental management in sugar mills ( <b>new</b> ). ( <b>in-house</b> )	2.0
8.	Charter for Water Recycling and Pollution Prevention in Pulp & paper Industries in Ganga River Basin ( <b>ongoing</b> ) (2014-15)	5.0
9.	Performance evaluation of tea Estate ( <b>new</b> )	3.0
10.	Task forces – Distilleries, Sugar, Pulp & Paper, Coffee, Slaughter House, Dairy, Soft Drink ( <b>new</b> )	5.0
	<b>Sub Total:</b>	<b>22.0</b>
	<b>Project III (c) – Technology</b>	
11.	Feasibility study of physicochemical and biological treatments for pulp & paper mills effluent treatment and for removal of TDS and other pollutions to promote ZLD ( <b>ongoing</b> ) (2014-15)	9.0
	<b>Sub Total:</b>	<b>9.0</b>
	<b>Grand Total:</b>	<b>73.0</b>

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

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project Head-III (a) Standard Development</b>	
1.	Assessment of Secondary Zinc industry <b>(ongoing)</b> (2014-15)	3.5
2.	COINDS and Environmental Standards for Activated Carbon manufacturing industries. <b>(ongoing)</b> (2014-15)	6.0
3.	COINDS and Environmental Standards for small scale paint industries. <b>(ongoing)</b> (2014-15)	13.0
4.	COINDS and Environmental Standards for Pickling industries. <b>(ongoing)</b> (2014-15)	6.5
5.	COINDS and Environmental Standards for Hot Mix Plants. <b>(ongoing)</b> (2014-15)	20.0
6.	Environmental management in Bee-hive coke oven plants. <b>(ongoing)</b> (2014-15)	6.0
7.	Development of Environmental Standards for Calcined Petroleum Coke Industries. <b>(new)</b>	10.0
8.	Development of Environmental Standards for Pyro Metallurgical Extraction of Copper from Copper Scrap/Waste for manufacturing of Copper ingots. <b>(new)</b>	7.6 <b>(RE : 2.4)</b>
9.	Development of chartes to abatement and control of pollution from tannery sector.	5.0
10.	Standard Development and evolving guidelines for following industrial sectors: <b>(ongoing)</b> (2014-15) <ul style="list-style-type: none"> <li>• Tannery</li> <li>• Clamp kilns</li> <li>• Re-rolling mills</li> <li>• CETPs</li> </ul>	8.5
11.	COINDS for Plywood Industries <b>(Study Completed)</b>	2.4
	<b>Sub Total</b>	<b>88.5</b>
	<b>Project Head-III (b) Enforcement</b>	
12.	State-wise Inventorisation of Small Scale industries <b>(ongoing)</b> (2014-15)	5.0
13.	Control of Pollution in NCR – EPCA Activities (Salary of Chairman, EPCA and EPCA Meeting expanses)	10.0
14.	Environmental norms compliance and enforcement mechanism in leather tannery sector – task forces activities	5.0

	<b>(new)</b>	
15	Environment Management in Beehive Coke-oven Plants & Study on Sec Zinc Units (Study Completed)	17.10
	<b>Sub Total:</b>	<b>37.10</b>
	<b>Project Head -III.(c) Technology</b>	
16	Operation and Maintenance of CAAQMS (under operation contract)	54.4 (RE:55.6)
	<b>Sub Total</b>	<b>54.4</b>
	<b>Grand Total</b>	<b>180.0</b>

**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))**

<b>Scheme No.</b>	<b>Name of Schemes</b>	<b>Allocations (₹ in Lakh)</b>
1.	Development of guidelines Environmentally Sound Management of ELVS. <b>(new)</b>	2.0 <b>(RE: 18.0)</b>
2.	On-going activities of UPCD (includes expenditures for Workshops, salary of project staff; literature review, TA/DA, stationery and miscellaneous activities etc. <b>(ongoing)</b> )	8.0
3.	Inventorisation of railway sidings and guideline for their environmental management. <b>(ongoing)</b> (2014-15)	5.0
4.	Development of COINDS for automobile manufacturing industries. <b>(ongoing)</b> (2014-15)	20.5
	<b>Grand Total</b>	<b>35.5</b>

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

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project Head-III (b) Enforcement</b>	
1.	"Monitoring of ESS Inspections & follow-ups	10.0
2.	Monitoring of 78 industrial clusters (new)	340.0 (RE: 60.0)
	<b>Grand Total</b>	<b>350.0</b>

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

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project Head-III (b) Enforcement</b>	
1.	Co-ordination with SPCBs including assistance for subject specific programmes	40.0
2.	(i) Office co-ordination (Parliamentary matters, infrastructure/ furniture, stationery and other expenditure including salary of DEOs for administration, finance, legal, MS/CCB Sections.(ongoing)	40.0
	(ii) Salary of Director, Addl. Director, Sc. 'D', Sc. 'C', etc. (To meet short fall expenditure of non-plan allocation)	800.0
	(iii) Opening of two new Zonal Offices (Chennai & Chandigarh) (new)	10.0
		<b>(RE: 90.0)</b>
	<b>Sub Total:</b>	<b>890.0</b>
	<b>Project Head-VI- Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste &amp; Vehicular Pollution)</b>	
3.	<b>Municipal Solid Waste Management (MSW)</b>	
(i)	Implementation of MSW Rules, 2000, Demonstration Projects and specific programmes <b>(Regular Activity)</b>	50.0
4.	Monitoring/Review of In-situ bio-remediation proposals for treatment of sewage <b>(new)</b>	30.0
	<b>Sub Total:</b>	<b>80.0</b>
5.	<b>Plastics Waste Management (PWM)</b>	
(i)	Implementation of Plastics Waste (Management & Handing) (Amendment) Rules, 2011 compliance verification of Hon'ble Supreme Court Orders and Assurances, Testing Charges of Sachets/pouches from CIPET, Final installment of LCA Study Salary of JRF/SRF/RA, DEO/Steno, TA/DA Expenditures, Stationary Charges, Meeting Expenses etc.) <b>(Regular Activity)</b>	25.0
(ii)	Regional workshops for SPCBs/PCCs/ Municipalities. Officials on plastic waste management <b>(new)</b>	10.0
	<b>Sub Total:</b>	<b>35.0</b>
	<b>Grand Total:</b>	<b>1005.0</b>

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

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>PR Division Project Head IV (B)</b>	
1.	Exhibition/ Workshops/Mass awareness activities and preparation of exhibition materials, stationery/computer peripherals etc.	5.0
2.	Publication of CPCB technical reports	20.0
3.	Advertisements	10.0
4.	Operation and upkeep of conference halls, committee rooms and training hall, hospitality arrangements and strengthening of PR activities	2.0
	<b>Sub Total:</b>	<b>37.0</b>
	<b>Project Head- IV (c) Library</b>	
5.	Purchasing of books, Newspapers and Magazine	5.0
6.	Print E-subscription of Journals and Periodicals	15.0
7.	Purchasing of furniture, automation of library, binding of books, journals, salary of DEO, Stationery and telephone etc.	6.0
	<b>Sub Total:</b>	<b>26 .0</b>
	<b>Grand Total</b>	<b>63.0</b>

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

S. No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project Head- IV (b) PR, Mass Awareness Programmes &amp; Hindi</b>	
1.	Hindi Workshops and Training Programme	1.25
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 Laptop, Fax machine and Furniture etc. for Hindi Section	1.0
6.	Salary of Data Entry Operator-cum-Hindi Steno (contract)	1.5
7.	Inspection of ZOs reg. use of Hindi-TA/DA expenses etc.	1.0
	<b>Grand Total:</b>	<b>7.0</b>

6.12 : Co-ordination Activity [P- III (b)]

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project III (b) Enforcement</b>	
1.	Inventorisation of Hg form Major Industrial Sources using default Emissions factors of Hg UNEP Toolkit (new)	1.0
2.	Survey of Re-usable glass in SME Clusters (new)	3.0
3.	Pollution Control Abatement programmes such as Mobile Tower related issues, Review Committees of CT, Biosequestration, Parliament Queries, RTI etc.	4.0
4.	Capacity Building for Emission Measurement in India (2011-15)	VTT Finland Fund
	<b>Grand Total</b>	<b>8.0</b>

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

Scheme No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project III-b Industrial Pollution Control (Standards, Technologies and Enforcements) Project III (b) –Enforcement</b>	
1	National level and Regional level Conference of Chairmen & Member Secretaries of SPCBs/PCCs	6.0
2	Board meetings including TA/DA of members	4.0
3	Redressal of Public Complaints/Right to Information Act/Staff salary, stationery and computer peripherals etc.	6.0
	<b>Sub Total</b>	<b>16.0</b>
	<b>Project Head- IV (a) Training Programmes</b>	
4	Financial Assistance to NGOs for conducting programmes on Abatement of Pollution & Community Action Programme and Interaction/Training programmes for NGOs on prevention and control of pollution	2.0
	<b>Sub Total</b>	<b>2.0</b>
	<b>Grand Total</b>	<b>18.0</b>

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

S. No.	Name of Schemes	Allocation (₹ In Lakh)
	Project Head – IV (a) : Training Programmes	
1.	Training (ongoing) (a) National Training (b) International Training	60.0 2.0
2.	Ecomark (ongoing)	1.0
	<b>Grand Total</b>	<b>63.0</b>

6.15 : Hazardous Waste Management Division (Project Head –VI)

S.No.	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project VI- Waste Management and Urban Pollution Control (Plastic waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste &amp; Vehicular Pollution)</b>	
1.	Implementation of Hazardous Waste Management Rules	40.0
2.	Implementation of Bio-Medical Waste Management	5.0
3.	Implementation of Battery Rules	5.0
4.	Implementation of E-waste Management	5.0
5.	Remediation of 12 hazardous waste contaminated areas under National Clean Energy Fund (NCEF) (new) (upto 2017)	MoEF Fund (*₹ 805.0 Cr.)
6.	Study of options for disposal of UCIL waste – Trial incineration of UCIL waste as per the direction of Hon'ble Supreme Court. (new) (upto 2015)	MoEF Fund (₹ 1.5 Cr.)
7.	Upgrading of Laboratories at CPCB HO and ZOs for Hazardous Waste testing and characterization. (new) (upto 2016)	MoEF Fund (₹ 9.0 Cr.)
8.	Protocol for emergency response including environmental monitoring during accidental spillages/illegal disposal/fire pertaining to hazardous waste. (new) (upto 2015)	MoEF Fund (₹ 25.0 Cr.)
9.	Manual for estimation of environmental damages and their cost due to accidental spillages/illegal disposal/fire pertaining to hazardous waste. (new) (upto 2015)	MoEF Fund (₹ 25.0 Cr.)
	<b>Grand Total:</b>	<b>55.0</b>

Note: \* Cost sharing in 60:40 ratio between Central Government and State Government

**6.16 : Building Project [Project Head-III (b) Industrial Pollution Control (Standards, Technologies and Enforcements)]**

<b>S. No</b>	<b>Name of Schemes</b>	<b>Allocations (₹ in Lakh)</b>
	<b>Building Project {P-III (b) – Enforcement}</b>	
1.	Maintenance of Parivesh Bhawan Building, ( Air quality Monitoring stations & Guest House, AMC of photocopier, EPABX, Security, Lawn , House keeping, APFC panel & AC's, Telephone bills, Electricity bills, Water bills, MCD tax, Ground Rent of Parivesh Bhawan, Procurement of one no. computer with Printer and U.P.S and stationery and salary of 04 no. temporary/casual project staff)	115.0
2.	Miscellaneous Civil work, and Electrical works in Parivesh Bhawan	25.0
3.	Fuel, Maintenance, Insurance, Road Tax, Hiring of vehicles and Purchase of two no. new vehicles.	50.0
4.	Renovation of (PCP Hall)	50.0
5.	Replacement of LT Panel, old transformer 500 KVA to 750KVA OLTC, new copper earthing for sub-station etc.	85.0
	<b>Grand Total</b>	<b>325.0</b>

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

<b>Scheme No.</b>	<b>Name of Schemes</b>	<b>Allocations (₹ in Lakh)</b>
	<b>Project Head- III (b) – Industrial Pollution Control (Standards, technologies and Enforcement)</b>	
1.	Spatial Environmental Planning Programme(ongoing)	10.0
	<b>Sub Total</b>	<b>10.0</b>
	<b>Project Head-V Information (Database) Management</b>	
2.	Environmental Data Management System (EDMS) (ongoing)	50.0
3.	Website Management and Strengthening of computer Network	40.0 (RE: 5.0)
4.	Integrated Data Transmission from Real Time System to CPCB (ongoing)	50.0 (RE: 50.0)
5.	Infrastructure (ongoing)	3.0
6.	Development of software for access of information through online Consent Mechanism of SPCBs/PCCs (new)	2.0 (RE: 14.0)
	<b>Sub Total</b>	<b>145.0</b>
	<b>Grand Total</b>	<b>155.0</b>

## 7.0: PLANS & PROGRAMMES OF ZONAL OFFICES 2014-15

### 7.1 : Zonal Office-Bangalore

S. No	Name of Schemes	Allocations (₹ in Lakh)
	<b>Project Head – I: Pollution Assessment (Survey and Monitoring)</b>	
1	Surveillance of NAMP stations including review meeting	0.5
2	Surveillance of NWMP stations including review meeting	0.5
3	Monitoring of inter-state river water quality including all microbial parameters in southern Zone	0.5
4	Air pollution modeling (ongoing)	1.0
5	Study of total PAH in ambient air in the zone (new)	0.25
	<b>Sub Total</b>	<b>2.75</b>
	<b>Project Head-II: Scientific &amp; Technical Activities and R &amp; D</b>	
6	Operation and Maintenance of Networking of CAAQM stations at Bangalore and Chennai	1.0
7	Operation and maintenance, AMCs of instruments, equipments and development of the laboratory	15.0
8	Development of facilities for calibration of air pollution monitoring instruments and equipments (Ring Test Facility) (ongoing)	2.0
9	Accreditation recognition for south zone office laboratory under NABL and E(P) Act. (ongoing)	2.0
10	Statistical analysis and interpretation of Continuous Ambient Air Quality data at Bangalore and Chennai (ongoing)	0.5
11	Development of methodology for assessment of CO <sub>2</sub> absorption through green belt emission from industrial process and its Carbon budgeting in selected industrial sector (partially outsourced) (ongoing)	3.0
	<b>Sub Total</b>	<b>23.5</b>
	<b>Project Head: III (b)- Industrial Pollution Control (Standards, Technologies and Enforcement)</b>	
12	Payment salary, Rents, DA arrears, Increments, TTA, security, Telephone, fax, Data card, House Keeping, Postal & Courier Charges, Water and Electricity charges etc.	300.0
13	Building maintenance AMCs of air conditioners (A/Cs), fire alarm and UPSs. Maintenance works of plumbing, electricity, civil, carpentry etc. Fabrication of windows frames and glasses. Replacement of mirrors and glasses. Rodent control. Procurement and maintenance of furniture, venation blades, window curtains, microwave oven, drinking water filter cum cooler system, thermal flask etc. Maintenance of walk-in-cooler. Procurement of two stand by A/Cs of 2 capacity each in the control rooms of I <sup>st</sup> and II <sup>nd</sup> floors and other related works.	11.0

14	Installation of CCTVs in first and second floors of office and laboratory <b>(ongoing)</b>	1.5
15	Assessment of environment compliance of electroplating units in Bangalore <b>(ongoing)</b>	1.0
16	Assessment of pollution from textile dyeing units located in Tirupur, Tamil Nadu and measures taken to achieve ZLD <b>(ongoing)</b>	1.0
17	Study of solvent recovery systems installed in pharmaceutical and pesticide manufacturing units in south zone <b>(ongoing)</b>	0.5
18	Study of Mercury emission from non ferrous industries in south zone <b>(new)</b>	1.0
19	Verification of compliance of pollution control standards by industries in southern zone. Environmental surveillance squad. Status of Comprehensive Environmental Pollution Index. Follow up of court direction. NGI follows ups. Inspection for national awards. Diwali monitoring. RTI and public complaints. BSNL charges. Problem area monitoring etc. <b>(ongoing)</b>	20.0
	<b>Sub Total</b>	<b>336.0</b>
	<b>Project Head : IV (a) Training Programmers</b>	
20	Imparting various training programme to staff sponsored by Head quarters and other organizations and evaluation of effectiveness of training imparted to officials of SPCB/PCCs	1.0
	<b>Sub Total</b>	<b>1.0</b>
	<b>Project Head – IV(b) PR, Mass Awareness Programmes &amp; Hindi</b>	
21	Organizing mass awareness Programme in High School, Colleges and Public places, Organization of environmental Awareness, Printing of pamphlets, booklets and conducting Hindi Diwas.	0.5
	<b>Sub Total</b>	<b>0.5</b>
	<b>Project Head – IV (c) Library</b>	
22	Development of library, procurement of journals, books, including scientific, technical, administrative, accounts, Hindi etc., News Papers, Magazines, Journals, Swamy Rules Books etc.,	0.25
	<b>Sub Total</b>	<b>0.25</b>
	<b>Project Head – V Information (Database) Management</b>	
23	Digitization of documents of South Zonal Office, Bangalore	0.5
24	Operation and Maintenance of computer systems and its peripherals, local area networking (LAN) procurement of computers, software other items and AMC for computers. Payment to BSNL for providing internet facilities etc.	3.0
	<b>Sub Total</b>	<b>3.5</b>

Project Head-VI Waste Management & Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-Medical Waste, E-Waste And Vehicular Pollution)		
25	Monitoring of Municipal Solid Waste (MSW) management facilities, assessment of air borne microbial emissions from MSW and characterization of compost quality in South Zone.	1.5
26	Monitoring of Sewage Treatment Plants (STPs), sewage drains, assessment of sewage characteristics in terms of pathogenic microbial load and parasitic helminthes load	1.5
27	Monitoring of Common Effluent Treatment plants in the zone	1.0
28	Monitoring of treatment, storage and disposal facilities in the zone	1.0
29	Monitoring of Common Bio-Medical Waste Treatment Facilities in the zone.	1.0
	<b>Sub Total</b>	<b>6.0</b>
	<b>Grand Total</b>	<b>373.5</b>

7.2 : Zonal Office-Bhopal

S. No.	Name of Schemes	Allocations (₹ in Lakh)
<b>PROJECT – I : POLLUTION ASSESSMENT (SURVEY &amp; MONITORING)</b>		
1	Surveillance of ambient air, water, noise quality monitoring including Deewali Festival.	1.0
2	Environment status of Bhopal (Non-attainment city) Madhya Pradesh and Technical Assistance to SPCB in Preparation of Action Plan for improvement AAQ. Environment status of Jaipur (Non-attainment city) Rajasthan and Technical Assistance to SPCB in Preparation of Action Plan for improvement AAQ. Environment status of Raipur (Non-attainment city) Chhattisgarh and Technical Assistance to SPCB in Preparation of Action Plan for improvement AAQ (new)	2.5
3	Monitoring of pesticides in drinking water sources & in soil of agriculture (ongoing)	0.5
<b>Sub Total:</b>		<b>4.0</b>
<b>PROJECT –II : SCIENTIFIC AND TECHNICAL ACTIVITIES AND R &amp; D</b>		
4	Development of laboratory and monitoring facilities including operation & maintenance of existing laboratory including payment towards rent, electricity, security (ongoing)	38.0
5	Operation & maintenance of surveillance vehicle	2.0
<b>Sub Total:</b>		<b>40.0</b>
<b>PROJECT –III (B) : ENFORCEMENT</b>		
6	a. Salary of technical & scientific staff	98.0
	b. ESS activities, follow-up and O & M Expenses	8.0
7	Monitoring of operational STPs and CETPs in Central Zone. Performance evaluation of CETP Bhiwadi w.r.t. gap analysis in wastewater generation, collection, treatment & disposal (new)	2.0
8	Investigation of public/VIP complaints, implementation of action plans of CEPI Areas. Review of implementation of action plans of CEPIs and monitoring w.r.t. NGT directions	8.0
9	Hg monitoring in Ferrous/Non-Ferrous industries of Central Zone (new)	1.0
10	Assessment of status of Hazardous Waste in Chhattisgarh (new)	1.0
<b>Sub Total:</b>		<b>118.0</b>
<b>PROJECT –IV (A) : TRAINING PROGRAMMES</b>		
12	Nomination of officers/staff for training/workshops (ongoing)	0.5
<b>Sub Total:</b>		<b>0.5</b>
<b>PROJECT –IV (B) : PR, MASS AWARENESS PROGRAMMES &amp; HINDI</b>		
13	Organizing mass awareness activities during World Environment Day and other programmes to be organized for environmental education round the year	1.0
<b>Sub Total:</b>		<b>1.0</b>

<b>PROJECT -IV (C) : LIBRARY</b>		
14	Development of library, subscription of journals/publications etc.	0.5
<b>Sub Total:</b>		<b>0.5</b>
<b>PROJECT -V : INFORMATION (DATABASE) MANAGEMENT</b>		
15	Replacement of computer and other accessories.	1.0
<b>Sub Total:</b>		<b>1.0</b>
<b>Project Head-VI Waste Management &amp; Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-Medical Waste, E-Waste And Vehicular Pollution)</b>		
16	Monitoring of TSDFs for compliance and MSW, PW, E-waste, Bio-medical waste etc.	2.0
<b>Sub Total:</b>		<b>2.0</b>
<b>Grand Total</b>		<b>167.0</b>

7.3 : Zonal Office-Kolkata

Sl. No.	Name of Schemes	Allocations (₹ in Lakh)
<b>Project- I Pollution Assessment (Survey &amp; Monitoring)</b>		
1	Surveillance of Air and Water quality monitoring stations including AAQM in Kolkata	2.0
2	O&M of AQMS at Canning under Male Declaration ( <b>ongoing</b> )	6.0
3	Interstate River Water Quality Monitoring	0.5
4	Impact of pollution on Bacteriophage of Ganga river (Bhagirathi Stretch). ( <b>ongoing</b> )	0.5
5	Impact of Industries on the Riparian Land of River Haldi and Socio Economic Maladies ( <b>ongoing</b> )	0.5
6	Impact of Mangrove Ecosystem on emission of green house gases ( <b>ongoing</b> )	0.5
7	Assesment of Volatile Organic carbon and Dioxin/Furon in the major traffic intersections of Kolkata ( <b>ongoing</b> )	-
8	Characterisation of PM <sub>2.5</sub> and PM <sub>10</sub> in ambient air of Kolkata and rural area ( <b>ongoing</b> )	2.0
9	Study of metal fractionation in sediments of different sources ( <b>ongoing</b> )	0.5
10	Inventory of pollution sources in Eastern Region ( <b>new</b> )	3.0
11	Workshop on operation and maintenance of continuous emission monitoring equipments ( <b>new</b> )	1.0
12	Wate management in integrated Iron and Steel industries of eastern region	0.5
13	Status of pollution control measures in Ferro alloy industries ( <b>ongoing</b> )	0.5
14	Status of pollution control measures in bakery and confectionary units in eastern region ( <b>new</b> )	0.5
15	Status of thermal power plant and flyash management in eastern region ( <b>ongoing</b> )	0.5
	<b>Sub Total</b>	<b>18.5</b>
<b>Project- II Scientific &amp; Technical Activities and R &amp;D Project Head</b>		
16	Strengthening O & M of Laboratory, NABL including salary of SRFs/ JRFs, Electricity, Telephone, Society Maintenance, Security, Rent, AMC, Insurance, Cleaning Service & others.	60.0
17	Procurement of Chemicals, Glassware & Filter papers	7.0
	<b>Sub Total</b>	<b>67.0</b>

<b>Project- III (b) Enforcement</b>		
18	ESS and related activities like performance assessment of TSDF, CBMWTF, STP and CETP including Officers and staff Salary and others.	197.0
19	Running and maintenance of office vehicles for plan activities	4.0
	<b>Sub Total</b>	<b>201.0</b>
<b>Project - IV (a) Training Programme</b>		
20	Expenses towards nomination and attending Training Program and Workshop	3.0
	<b>Sub Total</b>	<b>3.0</b>
<b>Project - IV (b) Mass Awareness &amp; Hindi Diwas</b>		
21	Mass Awareness Programme	1.0
	<b>Sub Total</b>	<b>1.0</b>
<b>Project - IV(c) Library</b>		
22	Development of Library	0.5
	<b>Sub Total</b>	<b>0.5</b>
<b>Project - V Information (Database) Management</b>		
23	Database Management	4.0
	<b>Sub Total</b>	<b>4.0</b>
	<b>Grand Total</b>	<b>295.0</b>

#### 7.4 : Zonal Office-Lucknow

S. No	Name of Schemes	Allocations (₹ in Lakh)
<b>Project- I Pollution Assessment (Survey &amp; Monitoring)</b>		
1	Operation, maintenance and up-gradation of AAQM station at Lucknow	8.0
2	Monitoring of Interstate rivers and inspection of NAMP and MINARS stations located in north zone	2.0
3	Assessment of water quality and solidwaste management during Amarnath Yatra	2.0
	<b>Sub Total</b>	<b>12.0</b>
<b>Project- II Scientific &amp; Technical Activities and R &amp;D Project Head</b>		
4	Lab Operation and Maintenance and Development of laboratory	50.0
5	Pilot study for reduction of chromium in tannery wastewater through Optimization of Chrome Tanning Operations	1.0
	<b>Sub Total</b>	<b>51.0</b>
<b>Project- III (b) Enforcement</b>		
6	Salary of scientific and and technical officers	170.0
7	Ess activities, operation and maintenance expenses	50.0
8	Environment management in Dairy industry in north zone	1.0
	<b>Sub Total</b>	<b>221.0</b>
<b>Project - IV (a) Training Programme</b>		
9	Training activities (Nomination and Sponsoring)	3.0
10	Organizing training programmes on management of sewage and municipal solidwaste	2.0
	<b>Sub Total</b>	<b>5.0</b>
<b>Project - IV(b) Library</b>		
11	Library Development	3.0
	<b>Sub Total</b>	<b>3.0</b>
<b>Project - V Information (Database) Management</b>		
12	Information (Data base) Management	5.0
	<b>Sub Total</b>	<b>5.0</b>
	<b>Grand Total</b>	<b>297.0</b>

7.4.1 :Project Office Agra

Sr. No.	Name of Schemes	Allocations (₹ in Lakh)
<b>Project Head I- Pollution Assessment-(Survey &amp; Monitoring)</b>		
1	Operation and Maintenance of FPM2.5 sampler, E-BAM, & SODAR	2.0
	<b>Sub Total</b>	<b>2.0</b>
<b>Project Head II- Scientific and Technical Activities and R &amp; D</b>		
2	Operation & Maintenance of laboratory, AAQMS etc.	35.0
	<b>Sub Total</b>	<b>35.0</b>
<b>Project Head III(b) –Enforcement</b>		
3	Inspection & monitoring of CETP, STP, CBMWTF, Implementations, Public complaints, Parliament questions, interaction/ meeting with local Govt. including salary of Staff etc.	20.0
	<b>Sub Total</b>	<b>20.0</b>
<b>Project Head IV(a)- Training Programmes</b>		
4	Training	0.5
	<b>Sub Total</b>	<b>0.5</b>
<b>Project Head IV(b) PR, Mass Awareness Programme &amp; Hindi</b>		
5	Mass Awareness Activities & Implementation of Rajbhasa	0.5
	<b>Sub Total</b>	<b>0.5</b>
<b>Project Head IV(c) Library</b>		
6	Development of Library, purchase of journals, Newspapers, Books	0.5
	<b>Sub Total</b>	<b>0.5</b>
<b>Project Head V – Information (Data base) Management</b>		
7	Data Base Management at Agra Office	2.0
	<b>Sub Total</b>	<b>2.0</b>
	<b>Total</b>	<b>60.5</b>
	<b>Grand Total</b>	<b>357.5</b>

### 7.5 : Zonal Office-Shillong

Scheme No.	Name of Schemes	Allocations (₹ in lakh)
<b>Project Head I- Pollution Assessment-(Survey &amp; Monitoring)</b>		
1	Co-ordination with State Boards (including visit) regarding strengthening and Implementation of various Rules/Regulations; Surveillance of NAPL and NWMP	1.0
2	Water Quality assessment in major International/ Interstate boundary rivers, polluting river stretches and lakes in the NE region	0.5
3	Assessment of ambient air quality in Umiam and Byrnihat industrial area Lumshnong and coal mining areas of Jaintia hills in Meghalaya (ongoing)	1.0
4	Environmental issues in Petroleum Coke Calcinations units – preparation of status report (ongoing)	1.0
5	Monitoring of Bee-hive coke oven units in the Arunachal Pradesh and Assam (ongoing)	1.0
6	Impact of Jhum Cultivation on Ambient Air Quality in Mizoram – Manipur – Assam – Meghalaya (ongoing)	0.5
7	Assessment of environmental issues and management in the tea gardens/factories in Assam (new)	1.0
8	Assessment of impact of coal mining in Nagaland on Dikhou river flowing from Nagaland to Assam (new)	0.5
9	Assessment of environmental impact of tourism industry in the tourists destinations of Sikkim (new)	2.0
	<b>Sub Total</b>	<b>8.5</b>
<b>Project Head – II Scientific and Technical activities and R&amp;D</b>		
10	Strengthening and Development of Laboratory including rent for Lab Building and new Furniture for Laboratory (G.C., AAS, Flue Gas Analyser are to be purchase by Head Office)	20.0 (RE:10.0)
11	Operation and Maintenance of Laboratory including Salary of JRFs, Samplers, Security Personnel and Sweeper Cum Cleaner.	10.0
	<b>Sub Total</b>	<b>30.0</b>
<b>Project Head- III (b) – Pollution Control Enforcement</b>		
12	(i) Salary of Technical & Scientific Staffs (ii) ESS Activities and O & M Expenses	50.0 5.0
13	Monitoring the Implementation of MSW Demo-projects in NE States and the Status of MSW Management in N.E. States	1.0
14	Replacement of old monitoring vehicle (new)	10.0
15	Running and maintenance of monitoring vehicle including hiring of vehicle on need/monthly basis	2.0

		<b>Sub Total</b>	<b>68.0</b>
<b>Project Head - IV(a)- Training</b>			
16	Nomination for Training/Workshop		1.0
		<b>Sub Total</b>	<b>1.0</b>
<b>Project Head - IV (b) PR, Mass Awareness Programme &amp; Library</b>			
17	Organizing Mass Awareness Programme.		1.5
18	Development of library (Purchase of Books, Periodicals etc)		0.5
		<b>Sub Total</b>	<b>2.0</b>
<b>Project Head V – Information (Data base) Management</b>			
19	Database Management (including purchase of PCs, Computers peripherals and consumables		2.0
		<b>Sub Total</b>	<b>2.0</b>
<b>Project Head-VI Waste Management &amp; Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-Medical Waste, E-Waste And Vehicular Pollution)</b>			
20	Quantification of e-waste generation by the PSUs and major institutes in North East including assessment of their disposal mode		0.5
		<b>Sub Total</b>	<b>0.5</b>
		<b>Grand Total</b>	<b>112.0</b>