

Agenda for 164th Meeting of the Board

Name of Board Meeting	:	164 th
Item No.	:	
Item	:	Annual Action Plan for 2013-14
Date	:	July, 2013
Venue	:	Delhi

Ministry of Environment and Forests (MoEF) has sanctioned a Plan Outlay of Rs. 57.72 crores for the year 2013-14 to the Central Pollution Control Board (CPCB). Accordingly, Annual Action Plan (AAP) for the year 2013-14 has been prepared into 6 major Project Heads, a copy of AAP 2013-14 is enclosed as Annexure.

Firstly, the ongoing schemes carried from 2011-12 and 2012-13 will be completed; thereafter new schemes will be initiated during 2013-14. Further, major schemes to be taken during 2013-14 are as under.;

- O & M existing of 2500 of water quality monitoring stations (WQMS);
- O & M of 600 ambient air quality monitoring stations (AQMS);
- Undertaking toxicity evaluation in the relevant critically polluted industrial clusters;
- O & M of existing 35 noise monitoring stations and setting-up of 35 new stations;
- Strengthening of central laboratories at Head Office and at four Zonal Offices to have National Accreditation Board for Testing and Calibration (NABL) and certification under OSHA, 18001 and recognition under Environment (Protection) Act 1986;
- Development of environmental standards and review of 10 years old environmental standards;
- Strengthening of existing National Ambient Air Quality Monitoring Stations to monitor 12 notified parameters;
- Inventorisation of wastes including their quantification and characterization such as hazardous waste, bio-medical waste, electronic waste, batteries, plastic waste and municipal solid waste;

Keeping in view above, Board may consider approval of Annual Action Plan, 2013-14 for the total cost Rs. 57.72 crores.

Annual Action Plan 2013-14



Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032
(May, 2013)

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 2013-14 has laid emphasis on strengthening of environmental monitoring network, carrying out random checks of industries for compliance verification, 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 will be given on strengthening of existing Zonal Offices and opening of two new Zonal Offices, i.e. one at Chennai and another at Chandigarh.

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 2012-13

3.1 Assessment of Pollution:

Installed ten (10) real-time water quality monitoring stations (RTWQMS) on river Ganga and Yamuna.

Carried out water quality monitoring at 2500 stations covering 445 rivers, 154 lakes, 12 tanks, 78 ponds, 41 sea water, 45 drains, 10 water treatment plants and 807 wells.

Carried out ambient air quality monitoring (AAQM) at 545 stations covering 225 cities/towns in 26 States & 5 Union Territories.

Operation & Maintenance of 35 National Ambient Noise Monitoring Network (NANMN) stations located in 07 cities (Delhi, Mumbai, Hyderabad, Lucknow, Kolkata, Bangalore, Chennai).

Operating 15 CAAQMS in 4 cities, 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.

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

Prepared status report of water quality in India-2011.

Carried pre-monsoon and post-monsoon monitoring and sampling of 93 ground water and surface water in NCR of Delhi.

3.2 Industrial Pollution Control:

Emission standards have been developed for cement industry (NO_x & SO₂ and load-based for particulate matter), emission standard for petrol and kerosene DG sets, emission standard for DG sets (upto 800 KW) and effluent & emission standards for Dye and Dye intermediate industry. (These standards have been forwarded to MoEF for Notification).

Emission standard for CNG/LPG based Genset upto 400 cc and upto 800 kw capacity developed. (This standard has been approved in Board Meeting held on 22nd March, 2013) .

3.3 Waste Management:

Trial run for disposal of union carbide waste is under progress at Pithampur (MP).

CPCB is preparing Guidelines for management and handling of Phosphorus waste.

The study of Life Cycle Assessment of plastic products completed and report prepared.

Carried out inspections of TSDFs, CBMWTFs and SLF.

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

Provided and presented the status report on implementation of PWM Rules, 2011 to Hon'ble Supreme Court in SLP (C) 16308/2007.

The report on performance study of Plasma Pyrolysis Technology for disposal of plastic waste is under printing.

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 twenty (20) technical and scientific reports and mass awareness material for distribution during Kumbh Mela, 2013 held at Allahabad.

Conducted 19 national training programmes on various environmental pollution and prevention areas. These programmes were attended by staff of CPCB and SPCBs.

Chapter 4: Thrust Areas for 2013-14

The current financial year i.e. 2013-14 is the 2nd year of 12th Five Year Plan (FYP). An Expenditure Finance Committee Memo of CPCB for 12th FYP has been submitted to MoEF detailing year-wise activities. During 2013-14, few new activities will be undertaken, however, the schemes/activities

started during 2012-13 will be completed during 2013-14. The emphasis will be given on the following projects/schemes during 2013-14:-

4.1 Projects/Schemes proposed under Plan Fund of CPCB:

Water quality monitoring will be carried out at 2500 stations;

Intensive monitoring of 150 polluted river stretches and continuing inter-state water quality monitoring of rivers at 86 locations in 16 States;

Undertaking toxicity evaluation in the relevant critically polluted areas out of the 43 identified critically polluted industrial clusters;

Ambient air quality will be carried out at 650 locations.

Setting up of 35 noise monitoring stations in metros and in State capitals.

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 analyse 48 parameters relating to liquid effluents, and 40 parameters with respect to gaseous emissions and ambient air.

Standard development will consider best available cleaner technological options and be in line with National Environment Policy (NEP-2006). Standards will also be evolved for waste recycling industries and such wastes shall include; Hazardous waste, E-waste, Batteries, Plastics Waste etc .

Monitoring of 43 critically polluted industrial clusters as well as taking stock of situation on implementation of action plans by the state agencies. CPCB will also interact with SPCBs and PCCs for carrying out health-based surveys in the critically polluted areas involving third party agency for monitoring through contribution from industries on polluter pays principle.

Formulation of proposals for adoption of cleaner production technologies and technologies aiming for zero waste (Zero Liquid Discharge) and pollutant removal.

Emerging and dynamic environmental challenges have widened the scope of training areas which would cover issues relating to; climate change, waste recycling/re-use, standards and assimilative capacities of recipient environment, new production technologies, clean and green technologies, Innovative Technologies in waste management, health-based standards and others.

Organizing mass awareness will be the continued/on-going activity.

Emphasis will be laid on inventorisation of wastes including their quantification characterization (hazardous waste, bio-medical, plastics, electronic, batteries, and municipal solid wastes)

To reduce the gap between waste generation and treatment, CPCB with MoEF and other stake holders, will assess the requirement of common waste management facilities.

Remediation and mitigation plans for contaminated hazardous waste sites and rehabilitation of existing MSW dumpsites will be executed through Ministry of Urban Development and urban local bodies.

Total recycling/ re-use of waste will be enforced and will include harnessing energy recovery from high calorific value waste in cement kiln and of Steel mills/Power Plants furnaces.

4.2 Sponsored Projects:

A Projects Sanctioned Under Cess Fund (By MoEF)

Establishing Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in Critically Polluted Areas”.

Expanding National Ambient Noise Monitoring Network from 35 to 70 stations in 2012-13.

Establishing Real- time water quality monitoring stations (RTWQMS) on river Ganga.

Co-processing of hazardous and other wastes in cement plants, iron and steel industries and power plants.

B Projects under NGRBA:

Implementation of schemes/activities under NGRBA programme.

Elimination of Escherichia coli and other fecal coliform bacteria through bacteriophages from river Ganga and tributaries under NGRBA

In-situ bioremediation for sewage treatment (Budha Nala, Ludhiana)

5.0 Budget Allocation for 2013-14

Project Head-wise Budget Allocation for 2013-14:

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)			
II	Scientific and Technical Activities and R&D			
III	Industrial Pollution Control (standards, enforcements and technologies):			
	Standard Development			
	Enforcement			
	Technology			
IV	Training and Awareness:			
	Training Programmes			
	PR, Mass Awareness Programmes & Hindi			
	Library			
V	Information (Database) Management			
VI	Waste Management and Urban Pollution Control (Plastic Waste, Hazardous Waste, Municipal Solid Waste, Bio-medical waste, E-waste & Vehicular Pollution)			
	Total			

5.2 Division-Wise & Zone-Wise Budget Allocation for 2013-14:

Part-A: HEAD OFFICE

Name of the Division/Section	Allocation (` in lakh)
Pollution Assessment Survey & Monitoring	1975.0 (925.0)
Laboratory Management	236.0 (71.5)
Pollution Control Implementation – I	94.0 (10.0)
Pollution Control Implementation –II	89.50 (7.0)
Pollution Control Implementation –III	108.0 (35.0)
SSI Division	315.3 (121.5)
Urban Pollution Control Division	75.26 (15.0)
ESS	50.0
Pollution Control Planning Division (PCP)	601.94 (460.0)
PR & Library	97.0
Co-ordination Section	19.0
AS Section	15.0
Environmental Training Unit	63.0
Hazardous Waste Management	65.0 (25.0)
Building Section	283.0
Information Technology	100.0 (25.50)
Hindi Cell	7.0
TOTAL (A)	4194.0 (41.94 crore)

Part-B: ZONAL OFFICE

Name of the Zonal Office	Allocation (` in lakh)
Bangalore	400.0
Bhopal	172.0
Kolkata	285.0
Lucknow & Agra	356.0 (7.0)
Shillong	115.0
Vadodara	250.0
TOTAL (B)	1578 (15.78 crore)

Note : Figures in parenthesis are additional requirement proposed by Divisions/ZOs. It will be reviewed during RE Stage for 2013-14.

Grand Total (A+B) = 41.94 crore + 15.78 crore = ` 57.72 Crore

6.0 PLANS & PROGRAMMES OF HEAD OFFICE 2013-14

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)	
	Reimbursement of monitoring charges to SPCBs / PCCs for existing 2500 Water Quality Monitoring Stations.	675.00 (425.00)
	Inter – State River Water quality monitoring	10.00
	Monitoring of Ground Water	50.0
	Monitoring programme on Coastal / Ocean regions	50.0
	Need-based surveys (Municipal Solid Waste / Inspection in Delhi, Sewage / Performance of Sewage Treatment Plants, Rivers, Lakes etc.) and Matters relating to National Green Tribunal (NGT)	30.00
	Co-ordination matters – Hydrology Project, NGRBA and with other Authorities	-
	Action plan for 150 polluted river stretches	50.0
	Status of wastewater generation, collection, treatment and reuse in Urban Centres in India	15.00
2	National Ambient Air Quality Monitoring Programme (NAMP)	
i)	O & M Charges for 650 National Ambient Air Quality	1000.00

	Monitoring Stations.	(500.00)
ii)	Assessment of Action Plans for Non- Attainment cities.	-
iii)	Strengthen of air quality monitoring stations to monitor 12 notified standards – planning of programmes / schedule.	-
iv)	Calibration of equipments and co-ordination meeting with SPCBs / PCCs and other related issues.	70.0
3	National Ambient Noise Monitoring Network Programme (NANMP)	25.00
i)	Operation of existing 35 noise monitoring stations (in 7 cities)	-
ii)	Action plan for control of noise pollution	-
	Total	1975.00 (925.00)

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		
AL – I (G)		
1	Routine Operation of Laboratory in accordance with EP Act, 1986 (on going) Maintenance of Laboratory Instruments/Equipment and Calibration	5.00
2	Monitoring of 12 notified parameters under National Ambient Air Quality Standards Continuous Operations (on going) Operation & Maintenance of 2 CAAQMS and one DOAS System in Delhi Purchase of Data under O & M Contract for 3 CAAQM Stations	8.0(2.0) 25.0 (5.0)
3	Source emission monitoring (development for parameters notified under) (on going) Continuance of monitoring at source/Industries	5.00
4	Continuance of on– going activities PAH monitoring in Delhi VOC monitoring Inspection/auditing of vehicular pollution checking centres, authorized by Directorate of Transport, Govt. of Delhi Monitoring of ambient air quality in Himalayan Region	1.00 1.50 0.50 1.00
5	Studies on Exposure of Benzene on Health of workers at Petrol Pumps in NCR (New)	7.0 (3.0)
	Sub Total:	54.00 (10.0)
AL – II (S)		
6	Operation of Laboratory for analysis of Ambient air and Source in accordance with NABL	20.0 (5.0)
7	Operation and Maintenance of NAMP stations in Delhi (06 NAMP and	20.0 (5.0)

	Integrated Station at Pragati Maidan)	
8	Capabilities upgradation for source emission monitoring	15.0 (5.0)
9	Operation and maintenance of SODAR and purchase of Meteorology Station at CPCB	4.0 (2.0)
10	Organization of Training Programme for Source and Ambient Air Monitoring for SPCBs and ZOs	5.0 (5.0)
11	Implementation of OSHAS / ISO 9001 for Central laboratories and Zonal Laboratories	5.0 (5.0)
12	Impact Assessment Studies (Materials)	10.0 (6.0)
13	Development of Regional Training Centre for South Asian countries under Male Declaration	4.0 (4.0)
	Sub Total:	83.00 (37.0)
WATER LABORATORY		
14	Analytical quality control (AQC/ water) for Central and State Pollution Control Boards, Pollution Control Committees & for laboratories recognized under E. P. Act (on – going)	1.0 (1.0)
15	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)	8.0 (2.0)
16	Laboratory Management (Project Fellowship and Committed Expenditure)	15.0 (4.0)
17	Pollution load of drains joining to river Yamuna from Yamunotri to Allahabad (New Project) / or any other scheme	1.0 (1.0)
18	River Water and ground water status along with bank area of the river Yamuna from Yamunotri to Allahabad (New Project) / or any other scheme	1.0 (1.0)
	Sub Total:	26.00 (9.0)
BIO-SCIENCE LABORATORY		
19	Bio-monitoring of Water bodies (Rivers like Ganga/Yamuna, tributaries of Ganga and other Rivers) (will also include DNA bar coding)	3.00
20	Microbiological assessment of River Ganga (Tributaries), Yamuna and drains joining w.r.t. pathogenic bacteria	5.00

21	Toxicity evaluation of effluents and w.r.t. critically polluted areas	2.00
22	Analytical services (to other Divisions) and inter – laboratory exercises and interactive meeting	1.00
	Sub Total:	11.00
INSTRUMENTATION LABORATORY		
23	Studies on correlation between COD, BOD and TOC in complex environmental matrices like water, waste water, sewage and industrial effluents (Ongoing)	2.00
24	Elemental Characterization of Household dust (New)	2.00
25	Distribution and Fractionation of Heavy Metals in Freshly Deposited Sediments in river Yamuna within the Delhi Stretch (New)	2.50
26	Trace Metal Characterization of waste water and sludge generated from CETP's using Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES). (New)	2.50
27	Annual Maintenance Contract, purchase of spares of various Instruments, purchase of Xerox machine & Computer, refilling of gases, imprest and insurance policy	10.0 (10.0)
	Sub Total:	19.00 (10.0)
NATIONAL REFERENCE TRACE ORGANIC LABORATORY		
28	Measurement of hazardous organic compounds Dioxin (PCDDs) and Furan (PCDFs) in environmental samples (Procurement of Reference Standards + other items) (Ongoing)	4.0 (1.0)
29	Volatile Organic Compounds (VOCs) measurement in Ground/Surface water samples by purge and trap GC-MS in Critically Polluted Areas (Ongoing)	1.50
30	Development and Standardization of Methodology for Determination of Specific Pesticides in Aqueous and Solid Environmental Samples - (New Project)	2.50

31	Monitoring of pesticides residues at national level - Sponsored project by Ministry of Agriculture / IARI, New Delhi	IARI Funds
32	Methodology Development and standardization of Trace Organics Parameters (Chlorobenzene) as per Notification under the Environment (Protection) Act, 1986 - (New Project)	2.00
33	Operational contract for Air Handling Unit, Electrical & Fire Fighting system maintenance	4.00
34	Annual Maintenance Contract of equipment / instruments - GCs, HPLCs, GC-MS, UPS systems etc.	8.0 (2.0)
35	Comprehensive Annual Maintenance Contract of High Resolution Gas Chromatograph & High Resolution Mass Spectrometer (HRGC-HRMS) (Services & All spares)	15.0 (1.0)
36	Inter-laboratory PT Participation for HQs Laboratory & CPCB Zonal Office Laboratories	5.0 (1.50)
37	Recognition of Laboratories under the Environment (Protection) Act, 1986	1.00
	Sub Total:	43.00 (5.50)
	Grand Total:	236.00 (71.5)

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)	25.0 (5.0)
2	Review of Emission Standards and Preparation of COINDS document on Man-made fiber industry (completed during 2012-13 & expenditure is committed)	25.00
3	Preparation of COINDS and Development of Emission Standards for Paint Industry (completed during 2012-13 & expenditure is committed)	5.00
4	Preparation of COINDS document on Pharmaceutical Industry and development of standards for VOC Emission (New)	25.0 (5.0)
5	Preparation Of Comprehensive Industry Document: Development Of Emission And Effluent Standards For Single Super Phosphate Plants (In house -new project)	2.00
	Sub Total:	82.00 (10.0)
	Project Head – III (b) : Enforcement	
6	Implementation of action points agreed under CREP for Oil Refineries, Petrochemicals, Dye & Dye Intermediates, Pharmaceuticals, Pesticide, Chlor Alkali and Fertiliser Industries	5.00
7	Implementation of Standards, ESS activities, Public Complaint investigations & court matters	5.00
	Sub Total	10.00
	Project Head – III (c) : Technology	

8	Inventory of hazardous chemicals in India	2.00
	Sub Total	2.00
	Grand Total	94.00 (10.0)

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 Lacs)
	Project III (a): Standard Development	
1	Assessment of mercury emission and development of guidelines for control of mercury from coal and lignite based power plant (new)	2.50
2	Assessment of air pollution from cement plants using petcoke as fuel (on going)	13.00
3	Development of emission factor for various units of an integrated iron & steel plant (on going)	5.00
4	Harmonization and revision of environmental standards for iron & steel sector (new)	8.0 (2.0)
5	Development of database for iron & steel sector including salary of a JRF(new)	2.50
6	Status report on environmental performance of sponge iron sector (new)	1.00
7	Assessment of mercury emission from steel sector (new)	1.00
8	COINDS on Cement Plants (on going)	3.00
	Sub Total:	36.00 (2.0)
	Project III (b): Enforcement	
9	Implementation of pollution control measures in TPPs, Iron & Steel Industry, Genset Industry, Cement Industry, Aluminium, Lead, Copper & Zinc Smelting units including stationeries, telephone, transportation, salary of SRF, photo copier, purchasing of desk top including printer and expenditure towards attending of training programme (on going).	9.00
10	Standing committee on Emission from RIC engine (on going)	1.00
11	National committee on Noise pollution (on going)	1.00
12	National Task Force (NTF) on TPP and Iron & Steel plant (on going)	1.00
13	Compliance of fire crackers norms (on going)	1.00
14	Development of guidelines for control fugitive emission in Integrated Iron & Steel Plants	4.90

15	Development of guidelines for management of solid waste and hazardous waste generated Integrated Iron & Steel Plants.	6.10
	Sub Total:	24.00
	Project III (c): Technology	
16	Inventorization on non-coal mines and their environmental management (new)	5.00
17	Comprehensive industry documents and environmental standards for bauxite mining (new)	15.0 (5.0)
18	Noise monitoring in and around national parks and wildlife sanctuaries (new)	2.00
19	Life cycle assessment of cement plant based on AFR (on going)	7.50
	Sub Total	29.50 (5.0)
	Grand Total:	89.50 (7.0)

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	
	Development of guidelines for water conservation and wastewater discharge in sugar mills (on going)	1.0
	Revision of COINDS for Malteries and Breweries (on going)	4.0
	Guidelines for environmental management in sugar mills (new)	10.0 (10.0)
	COIND and development of environmental standards and guidelines for edible oil and vanaspati refineries (new)	7.50 (7.50)
	COIND and development of environmental standards guidelines for medium and large scale Bakeries (new)	7.50 (7.50)
	COIND and development of environmental standards guidelines for medium and large scale Confectionaries (new)	10.0 (10.0)
	Development of standards and guidelines for Grain – based Distilleries	10.0
	Status report on Dairy	1.0
	Preliminary study of constituents causing colour and TDS in spent wash / molasses	1.0
	COINDS for slaughter house including effluent standers	15.0
	Performance evaluation of RO, digester, MEE and incineration system (on-going – committed expenditure)	2.50
	Sub Total:	69.50(35.0)
	Project III (b) – Enforcement	NIL
	Performance evaluation of air pollution control devices (APCD) in sugar mills (on going)	4.0
	Charter for Water Recycling and Pollution Prevention in Pulp & Paper Industries in Ganga River Basin (ongoing)	5.0

	Performance evaluation of Tea Estates (New)	1.50
	Task forces – Distilleries, Sugar, Pulp & Paper, Coffee, Slaughter House, Dairy, Soft Drink	5.0
	Sub Total:	15.50
	Project III (c) – Technology	
16	Feasibility study of Physicochemical and Biological treatments for Pulp & Paper Plant Effluent treatment and for removal of TDS and other pollutants to promote ZLD in Mills (New)	5.0
17	Demonstration of advanced photo-chemical oxidation/RO technologies in Pulp & Paper Industry. (New)	5.0
18	Slime control in pulp and paper industry effluent (New)	3.0
19	Feasibility studies on treatment of wastewater using engineered wetland-greenway systems (New)	3.0
20	Enhancement of removal efficiency of refractory organics from paper mill effluent through bio-augmentation and respiromatary methods (New)	3.0
21	Study on design on liner system for storage of effluents and prevention of groundwater pollution from Coffee processing industry (ongoing)	4.0
	Sub Total:	23.00
	Grand Total:	108.0 (35.0)

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	
	COINDS for Plywood industries (Ongoing)	4.50
	Assessment of Secondary Zinc industry (Ongoing)	12.60
	COINDS and Environmental Standards for Activated Carbon manufacturing industries. (Ongoing)	3.50 (1.50)
	COINDS and Environmental Standards for Re-rolling mills. (Ongoing)	3.00 (1.00)
	COINDS and Environmental Standards for Small Scale Paint industries. (Ongoing)	20.0 (15.0)
	COINDS and Environmental Standards for Pickling industries. (Ongoing)	9.00 (1.00)
	COINDS and Environmental Standards for Hot Mix Plants. (Ongoing)	45.0 (5.00)
	Environmental management in Bee-hive coke oven plants. (Ongoing)	27.0 (8.00)
	Guidelines for air pollution control and emission standards and siting criteria for ready mix concrete batching plants (New)	0.00 (8.00)
	COINDS (revision) for Brick Kilns (Ongoing)	19.00
	Development of design requirements/guidelines for marine outfall of industrial effluents (New)	1.0 (2.0)
	COINDS for Soaps & Detergents industry (committed outstanding payment/miscellaneous expenditure)	3.50
	COINDS (revision) for Tanneries (committed outstanding payment/miscellaneous expenditure)	2.00
	Sub Total:	150.1 (41.5)
	Project Head-III (b) Enforcement	

	State wise Inventorisation of Small Scale industries (Ongoing)	10.00
	Control of Pollution in NCR - EPCA Activities (Ongoing)	11.00
	Inventorisation of Industrial Clusters and assessment of need for more CETPs in the country (committed outstanding payment/miscellaneous expenditure)	22.00
	Documentation of global best practices in industrial effluent treatment with special reference to CETPs (committed outstanding payment/miscellaneous expenditure)	3.00
	Sub Total:	46.00
	Project Head-III (c) Technology	
	Evaluation and Improvement in Design of Clamp Kiln (Ongoing)	4.20
	Pilot project for identified city for Involving private participation in management of CAAQM station/network under Operation Contract	100.0 (80.0)
	Pilot project for identified cities for Involving private participation in management of CAAQM station/network under Build, Own & Operate (BOO) Contract	14.00
	Performance evaluation of the existing CAAQM station/ Analysors maintained by industries/SPCBs/national Institutes	1.00
	Sub Total:	119.20 (80.0)
	Grand Total:	315.3 (121.5)

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	Preparation of Comprehensive Industry Documents (COINDS) for Automobile Manufacturing Industries.(Ongoing)	20.36 (22.37)
2	Status of the Pollution Generated from Road Transport Sector.(Ongoing)	33.22 (16.58)
3	Inventorization of Railway sidings and Guidelines for their Environmental Management.(Ongoing)	12.68 (16.31)
4	Development of Guidelines for Recycling/Disposal of Used Vehicles (Ongoing)	2.0 (3.0)
5	Characterization and toxicological assessment of pollutants emitted from vehicles using different fuels such as diesel, petrol, CNG etc. and development of toxicity index (New)	5.0 (15.0)
6	Assessment of human exposure to pollutants inside in-use vehicles (New)	2.0 (8.0)
	Total	75.26 (81.26)

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
2.	Monitoring of ESS Inspections & follow-ups (ongoing)	10.00

	Total	50.00
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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)	50.0 (50.0)
2	Office co-ordination (including Parliamentary matter infrastructure/ furniture, stationery to finance, administration and legal enforcement charges (ongoing) Salary of Director, Addl. Director & ESS staff Opening of two new Zonal Offices (Chennai & Chandigarh)	40.00 (40.0) 150.00 10.00
	Sub Total:	230.0 (90.0)
	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)	254.94 (350.0)
4	Monitoring/Review of In-situ bio-remediation proposals for treatment of sewage (New)	40.0
	Sub Total:	294.94 (350.0)
	Plastics Waste Management (PWM)	
5	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, Salary of JRF/SRF/RA, DEO/Steno, TA/DA Expenditures, Stationary Charges, Meeting	40.00

	Expenses etc.) (ongoing)	
6	Finalisation and Printing of LCA Report (Release of final installment to CIPET)	7.00
7	Regional workshops for SPCB/PCCs officials on plastic waste management	20.00
8	Performance study of various plastic waste management technologies	10.00
	Sub Total:	77.00
	Grand Total:	601.94 (440.0)

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	
	Exhibition	10.00
	Publication	40.00
	Advertisements	10.00
	Operation of up keeping the conference room	5.00
	Sub Total:	65.00
	Project Head- IV (c) Library	
	Purchasing of books	5.00
	Print E subscription	20.00
	Purchasing of furniture	3.00
	Automation of Library	3.00
	Binding of Journals	1.00
	Sub Total:	32 .00
	Grand Total	97.00

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	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	1.00
6	Salary of Data Entry Operator-cum-Hindi Steno (contract)	1.50
7	Inspection of ZOs reg. use of Hindi-TA/DA expenses etc.	1.00
	Total:	7.00

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

Scheme No.	Name of Schemes	Allocations (` in Lakh)
	Project III (b) Enforcement	
1	Pollution Control Abatement (On going) Mobile Tower related issues Expert Review Committee on Clean Technology and R & D Projects Single Window Clearance Parliament Queries, RTI etc	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)	
2	Inventorisation of Hg from major Industrial source categories by using Hg UNEP Toolkit	3.00
3	Development of Emission Factors for U- POPs (Dioxins & Furans in different matrixes like Air, Water, Soil & Residue for Hazardous waste Incineration, Biomedical Waste Incineration & Coal Based Power Plant	4.00
4	Basic database development for New POPs included in the Stockholm Convention on Persistent Organic Pollutants in India	5.00
5	Development of implementation strategy for Hg management in Fluorescent Lamp Sector (On Going)	3.00
	Sub Total:	15.00
	Grand Total	19.00

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

Scheme No.	Name of Schemes	Allocations (` in Lakh)
	Project III- Industrial Pollution Control (Standards, Technologies and Enforcements) Project III (b) –Enforcement	
1	1. National level and Regional level Conference of Chairmen & Member Secretaries of SPCBs/PCCs (Ongoing)	5.50
2	2. Board meetings including TA/DA of members (Ongoing)	3.00
3	3. Redressal of Public complaints (Ongoing)	0.25
4	4. Application received under Right to Information Act (Ongoing)	0.25
5	5. Staff salary: (One DEO) (Ongoing)	5.00
	Sub Total	14.00
	Project Head- IV (a) Training Programmes	
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
	Grand Total	15.00

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

S. No.	Name of Schemes	Allocation (₹ In lakhs)
	Project Head – IV (a) : Training Programmes	
1.	Training (on-going)	
	National Training	60.00
	International Training	2.50
2.	Ecomark (on-going)	0.50
	Total	63.00

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	Hazardous Waste Management (utilisation under Rule-11, developing guidelines, Inspections, SCMC matters, inventory, Ship Breaking activities, waste characterization, manual for sampling and analysis, and performance of TSDFs etc.). On-going and new projects: (i) Remediation of contaminated sites-NGRI, (ii) Stabilization/solidification of HW - IISC and (iii) Inventory of captive SLFs and incinerators, Waste identification, characterization, minimization and management - NPC, Delhi (iv) Implementation of NCEF project for remediation of contaminated sites	40.00
2	Bio-Medical Waste Management (Inventory, Inspections, Monitoring, review or preparation of guidelines, organizing interaction meets, National Workshop, evaluation of state of the art technologies, etc.)	10.00
3	Implementation of Battery Rules (Inventory, guidelines, workshops, interaction meets, monitoring and development of online reporting and information system etc.)	5.00
4	E-waste Management (workshops, interaction meets on RHOS compliance, guidelines, compilation of national inventory etc.)	10.00
5	Development of RoHS testing laboratory	0.00(25.00)
	Total:	65.00 (25.00)

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 , 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	120.00
2.	Miscellaneous Civil work, Lawn and Plantation and Electrical work in Parivesh Bhawan	5.00
3.	Fuel, Maintenance, Insurance, Road Tax, Hiring of vehicles and Purchase of two no. new vehicles.	55.00
4.	Renovation of Hall No. 502, Toilets, Chairman and MS room, Conference Hall 2 nd floor, IT Division and HWMD Hall	50.00
5.	Replacement of LT Panel including Switch and Bus Couplers in Sub-Station	30.00
6.	Replacement of 2 nos. of old transformer 500 KVA to 750KVA OLTC	20.00
7.	New copper earthing for sub-station, providing of 50mm x 6mm copper strips.	3.00
	Total	283.00

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

Scheme No.	Name of Schemes	Allocations (` in Lakh)
	Project Head- III (b) – Enforcement	
1	Spatial Environmental Planning Programme	13.00 (12.50)
	Sub Total	13.00 (12.50)
	Project Head- V Information (Database) Management	
2	Environmental Data Bank	37.00 (13.00)
3	Online Emission Data Management	-
4	Operation Maintenance, Strengthening of com, Network (Ongoing)	32.50
5	Integrated Data Transmission from Real Time System to CPCB	10.00
6	Infrastructure expenditure & Website Management	7.50
	Sub Total:	87.00 (13.00)
	Grand Total:	100.00 (25.50)

7.0 PLANS & PROGRAMMES OF ZONAL OFFICES 2013-14

7.1 Zonal Office-Bangalore

S. No	Name of Schemes	Allocations (` in Lakh)
	Project Head – I: Pollution Assessment (Survey and Monitoring)	
1.	Surveillance of NAMP stations including review meeting.	1.00
2.	Surveillance of NWMP stations including review meeting.	1.00
3.	Monitoring of inter-state river water quality in Southern Zone.	1.00
4.	Study of HAPs comprising of VOCs, PAHs, Pesticides, Dioxins and Furans and heavy metals in problem areas and at important cities in South Zone (partially outsourced).	3.00
5.	Chemical characterization of Anions, Cations and PAH on ambient particulate matter at major cities of South Zone.	2.00
6.	Assessment of Air – borne microbial pollution in and around Municipal Solid waste management facilities at Bangalore.	4.00
7.	Air Pollution Modeling.	2.00
8.	Monitoring of Metals in Ambient Air using Inductively Coupled Plasma at Bangalore City.	1.00
9.	Development of Air Quality Index and Emission Load Assessment for Bangalore city (partially outsourced)	20.00
10.	Characterization of microbial communities in effluent treatment system of various CETPs and individual industries in southern region.	0.50
	Sub Total	35.50
	Project Head-II: Scientific & Technical Activities and R & D	
11.	Development of Infrastructure facilities for preparedness of environmental monitoring in case of episodal pollution	2.00
12.	Operation and Maintenance of Networking of CAAQM stations at Bangalore and Chennai.	3.00
13.	Operation & Maintenance and development of the laboratory.	53.00

14.	Development of facilities for calibration of air pollution monitoring instruments and equipments (Ring Test Facility).	3.00
15.	Accreditation/Recognition for South Zonal Laboratory under NABL and E(P) Act.	4.00
16.	Statistical Analysis and Interpretation of Continuous Ambient Air Quality (CAAQM) data at Bangalore and Chennai.	1.00
17.	Development of methodology for assessment of CO ₂ absorption through Green Belt emission from industrial process and its Carbon budgeting in selected industrial sector (partially outsourced).	4.00
	Sub Total	70.00
	Project Head: III (b)- Industrial Pollution Control (Standards, Technologies and Enforcement)	
18.	Payment salary, Rents, DA arrears, Water and Electricity charges etc.	250.00
19.	Assessment of Environmental Compliance of Electroplating Units in Bangalore	2.00
20.	Assessment of Pollution from Textile Dyeing units located in Tirupur, Tamil Nadu and measures taken to achieve ZLD.	2.00
21.	Life Cycle Assessment (LCA) of Distillery Spent Wash and pollution mitigation based on Environmental Economic Considerations	3.00
22.	Study of Solvent Recovery systems installed in Pharmaceutical and Pesticide Manufacturing units in Southern Zone	2.00
23.	Assessment of Pollution Control Systems in Modern Rice Mills	1.00
24.	Study of Mercury emission from Thermal Power Plants in Southern Zone	2.00
25.	Status of RO reject management by various CETPs and individual industries in southern region.	0.50
26.	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 directions, RTI and Public Complaints.	16.00
	Sub Total	278.50
	Project Head : IV (a) Training Programmers	
27.	Imparting various training programme to staff sponsored by Head quarters and other organizations and evaluation of effectiveness of training imparted to	2.00

	officials of SPCB/PCCs	
	Sub Total	2.00
	Project Head – IV(b) PR, Mass Awareness Programmes & Hindi	
28.	Organizing mass awareness Programme in High School, Colleges and Public places, evaluation of environmental Awareness among students community and conducting Hindi Divas and organizing get together programme for officials of CPCB ZO (South)	1.00
	Sub Total	1.00
	Project Head – IV (c) Library	
29.	Development of library, procurement of journals, books, etc.	1.00
	Sub Total	1.00
	Project Head – V Information (Database) Management	
30.	Digitization of documents of South Zonal Office, Bangalore	1.00
31.	Operation and Maintenance of computer systems and its peripherals, local area networking (LAN) procurement of computers, software other items and AMC for computers, etc.	4.00
	Sub Total	5.00
	Project Head – VI Waste Management and Urban Pollution Control (plastic waste, Hazardous Waste, Municipal Solid Waste, Bio-Medical Waste, E-Waste & Vehicular Pollution	
32.	In-vessel rapid composting system for urban households and commercial establishments.	2.00
33.	Monitoring of Sewage Treatment Plant	1.00
34.	Monitoring of Common Effluent Treatment Plant	1.00
35.	Monitoring of Treatment, Storage and Disposal Facilities	2.00
36.	Monitoring of Common Bio-Medical Waste Treatment Facility	1.00
	Sub Total	7.00
	Grand Total	400.00

7.2 Zonal Office-Bhopal

S. 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 (on Going)	1.00
2	Study of Noise & Air Pollution during Diwali (on Going)	1.00
3	Review of implementation of action plans of CEPIs and monitoring w.r.t. NGT directions (on Going)	2.00
4	Monitoring of pesticides in drinking water sources and in soil of agricultural fields (New)	1.00
5	Monitoring of all CBWTFs in Central Zone	1.00
Sub Total:		6.00
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)	43.00
7	Operation & maintenance of surveillance vehicle (on Going)	2.00
Sub Total:		45.00
PROJECT –III (B) : ENFORCEMENT		
8	Salary of technical & scientific staff	40.00
	* Salary of regular staff, medical reimbursement, children education	* 50.00
	ESS activities, follow-up and O & M Expenses	10.00
9	Monitoring of operational STPs and CETPs in Central Zone	1.00
10	Investigation of public/VIP complaints and expenses on legal matters (HC & NGT)	4.50
11	Revalidation of mercury in Cement industries and monitoring in major/ integrated steel plants(on Going)	3.00
12	<u>Preparation of Environmental Action Plan</u> of Siltara & Urla industrial areas in coordination with CECB (New)	2.50
13	Laboratory cum Zonal Office Bhopal building construction (on Going)	1.00
Sub Total:		112.00

PROJECT –IV (A) : TRAINING PROGRAMMES		
14	Nomination of officers/staff for training/workshops (on Going)	1.00
Sub Total:		1.00
PROJECT –IV (B) : PR, MASS AWARENESS PROGRAMMES & HINDI		
15	Organizing mass awareness activities during World Environment Day	1.00
Sub Total:		1.00
PROJECT –IV (C) : LIBRARY		
16	Development of library, subscription of journals/publications and purchase of CDs/software etc. (on going)	1.00
Sub Total:		1.00
PROJECT –V : INFORMATION (DATABASE) MANAGEMENT		
17	Replacement of computer and other accessories and O & M and AMC of existing computers (on Going)	3.00
Sub Total:		3.00
PROJET-VI: WASTE MANAGEMENT & URBAN POLLUTION CONTROL (PLASTIC WASTE, HAZARDOUS WASTE, MUNICIPAL SOLID WASTE, BIO-MEDICAL WASTE, E-WASTE AND VEHICULAR POLLUTION)		
18	Monitoring of TSDFs for compliance verification and inspection of industries under Rule11 & visiting of industries during trial run (on Going)	2.00
19	Data collection form MSW dumps sites and compilation of MSW status in coordination with SPCB in central zone (on Going)	1.00
Sub Total:		3.00
GROSS TOTAL:		172.00

7.3 Zonal Office-Kolkata

Sl. No.	Name of Schemes	Allocations (` in Lakh)
Project- I Pollution Assessment (Survey & Monitoring)		
1.	Surveillance of Air and Water quality monitoring stations including AAQM in Kolkata (on-going)	2.00
2.	Interstate river water quality monitoring (on-going)	2.00
3.	Study of Metal fractionation in Sediments of different Sources	0.50
4.	Impact of industries on the riparian land of river Haldi and socio-economic maladies (ongoing)	0.50
5.	Characterization of PM ₁₀ and PM _{2.5} in ambient air of Kolkata and Rural areas (on-going)	3.00
6.	Impact of Mangrove Ecosystem on emission of Green House Gases (on-going)	0.50
7.	Impact of Pollution on Bacteriophage of Ganga river (Bhagirathi Stretch)	0.50
8.	Assessment of Volatile Organic Carbon in the major Traffic Intersection of Kolkata (on-going)	1.50
9.	Chemical characterization of ground water in Fluoride affected areas in eastern part of India (on-going)	2.00
10.	Implementation of Cleaner Production Concept in SMEs – Barriers and Opportunities (ongoing)	1.00
11.	Study of Waste Management Practices in Railway Workshops (Eastern & South Eastern Railway)	1.00
12.	Status of Thermal Power Plant and Fly Ash Management (Eastern Region)	0.50
13.	Study of Environment Management Practices in Rice Mills (ongoing)	1.00
14.	Environmental Status of Giridih Industrial town in Jharkhand	1.00
15.	Water Management in Integrated Steel Industries of Eastern Region	0.50
16.	Status of Pollution Control Measures in Ferro Alloy (Fe-Cr) Industries	0.50
17.	Assessment of Zero Discharge approach adopted by fermentation industries in Eastern India	0.50
18.	Awareness Workshop on E-waste management and compliance requirement by IT Industries in Kolkata	0.50
	Sub Total:	19.00

Project- II Scientific & Technical Activities and R &D Project Head		
19.	Strengthening O & M of Laboratory including salary of SRFs/ JRFs, Payment of Electricity, Telephone, Society Maintenance, Security, Rent, AMC, Insurance, Cleaning Service & others	80.00
20.	Procurement of Chemicals, Glassware & Filter paper etc.	10.00
	Sub Total:	90.00
Project- III (b) Enforcement		
21	ESS and related activities like performance of TSDF, CBMWTF, STP, CETP including Officers Salary and others.	80.00
	Salary of Staffs and Others except Officers	81.00
22	Running and maintenance of vehicles in execution of plan activities	5.00
	Sub Total:	166.00
Project - IV (a) Training Programme		
24	Nominations for Training Programmes/Workshops	3.00
	Sub Total:	3.00
Project - IV (b) PR, Mass Awareness Programmes & Hindi		
25	Mass Awareness Programme	2.00
	Sub Total:	2.00
Project - IV(c) Library		
26.	Development of Library	1.00
	Sub Total:	1.00
Project - V Information (Database) Management		
27.	Database Management	4.00
	Sub Total:	4.00
	Grand Total	285.00

7.4 Zonal Office-Lucknow

S. No	Name of Schemes	Allocations (in Lakh)
	Project Head- I – Pollution Assessment (Survey & Monitoring)	
	Operation, Maintenance and up-gradation of AAQM station at Lucknow	11.00
	Inspection of NAMP & MINARS station located in north zone	1.00
	Monitoring of Interstate Rivers	1.00
	Sub Total	13.00
	Project Head- II : Scientific and Technical Activities and R&D	
	Lab Operation and Maintenance	41.00
	Lab Development	13.00
	Pollution Assessment in grain based distillery to explore possibility of zero discharge	1.00
	Geo – environmental investigation and pilot-scale remediation of soil and groundwater in identified area of north Zone	6.00 (2.00)
	Sub Total	61.00 (2.00)
	Project Head- III (b) – Enforcement	
	Salary of Scientific and Technical Officers	160.00
	ESS activities and O&M Expenses	53.00
	Sub Total	213.00
	Project Head-IV (a) Training Programmes	
	Training Activities	1.50 (1.50)
	Sub Total	1.50 (1.50)
	Project Head- IV (b) PR, Mass Awareness Programmes & Hindi	
	Mass Awareness	1.00 (0.50)
	Sub Total	1.00 (0.50)
	Project Head- IV (c) Library	
	Library Development	1.50 (1.00)
	Sub Total	1.50 (1.00)

	Project - V Information (Database) Management	
	Information (Data base) Management	8.00 (2.00)
	Sub Total	8.00 (2.00)
	Total (A)	299.00 (7.0)

Project Office Agra

Sr. No.	Name of Schemes	Allocations (` in Lakh)
Project Head I- Pollution Assessment-(Survey & Monitoring)		
1	Environmental Status of one city in Taj Trapezium Zone.	1.00
2	Operation and Maintenance of FPM2.5 sampler, E-BAM, & SODAR	4.00
	Sub Total	5.00
Project Head II- Scientific and Technical Activities and R & D		
3	Operation & Maintenance of laboratory	9.00
4	Operation & Maintenance of AAQM stations	22.50
5	Characterization of RSPM & Rain water samples	1.00
	Sub Total	32.50
Project Head III(b) –Enforcement		
6	Salary of Scientific & Technical Staff	15.00
7	Inspection & monitoring of CETP, STP, CBMWTF, Implementations, Public complaints, Parliament questions, interaction/ meeting with local Govt.	0.50
	Sub Total	15.50
Project Head IV(a)- Training Programmes		
8	Training	0.50
	Sub Total	0.50
Project Head IV(b) PR, Mass Awareness Programme & Hindi		
9	Mass Awareness Activities & Implementation of Rajbhasa	0.50
	Sub Total	0.50
Project Head IV(c) Library		
10	Development of Library, purchase of journals, Newspapers, Books	0.50

	Sub Total	0.50
Project Head V – Information (Data base) Management		
11	Data Base Management at Agra Office	2.50
	Sub Total	2.50
Total (B)		57.00
Grand Total (A+B)		356.00

7.5 Zonal Office-Shillong

Scheme No.	Name of Schemes	Allocations (Rs 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. (on going)	1.00
2.	Water Quality assessment in major International/Interstate boundary Rivers, Polluting River Stretches and Lakes in the NE region. (on going)	0.50
3.	Assessment of Ambient Air & Water Quality in and around Coal Mining areas of Jayantia Hills, Meghalaya (on going)	0.50
4.	Preparation of COINDS for Petroleum Coke Calcinations units (New)	2.00
5.	Monitoring of Bee-hive coke oven units in the Arunachal Pradesh and Assam(New)	1.00
6.	Effect of Cement Industries on Air Environment in Lumshnong, Meghalaya, the Cement Capital of North East. (on going)	0.50
7.	Impact of Jhum Cultivation on Ambient Air Quality in Mizoram – Manipur – Assam--Meghalaya. (on going)	0.50
8.	Assessment of Air Quality in Umiam & Byrnihat Industrial Estate in Meghalaya (New)	1.00
9.	Assessment of implementation of BMW Rules in NE States (Including Hospitals under Director General Armed Forces Medical Services) (New)	0.50
	Sub Total	7.50
Project Head – II Laboratory Management		
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) (on going)	20.00
11	Operation and Maintenance of Laboratory including Salary of SRF/JRFs, Security Personnel and Sweeper Cum Cleaner. (on going)	10.00
	Sub Total	30.00
Project Head- III (b) – Enforcement		
15.	(i) Salary of Technical & other Staffs	55.00

	(ii) ESS Activities and O & M Expenses	8.00
16.	Monitoring the Implementation of MSW Demo-projects in NE States and the Status of MSW Management in N.E. States, including Monthly Hiring of Vehicles. (on going)	6.00
Project Head - IV(a)- Training		
12.	Nomination for Training/Workshop (on going)	1.00
	Sub Total	1.00
Project Head - IV (c) Library		
14.	Development of library (Purchase of Books, Periodicals etc) (on going)	0.50
	Sub Total	0.50
Project Head V – Information (Data base) Management		
13.	Database Management (including purchase of PCs and laptops) (on going)	3.00
	Sub Total	3.00
17.	Running and Maintenance of Monitoring Vehicle.	2.00
	Sub Total	71.00
Project Head-VIII Mass Awareness, Publication & NGO Activities		
18.	Organizing Mass Awareness Programme. (on going)	1.50
	Sub Total	1.50

Project Head-IX Hazardous Waste Management		
19.	Status Report on Hazardous Wastes Generating Units in NE-States	0.50
	Sub Total	0.50
	Grand Total	115.00

7.6 Zonal Office-Vadodara

S.No.	Name of Schemes	Allocations (Rs in Lakh)
Project-I : Pollution Assessment (Survey & Monitoring)		
01.	Surveillance of Water Quality and Ambient Air Quality monitoring stations in Gujarat & Maharashtra (New)	1.00
02.	Inter State river monitoring in Gujarat and Maharashtra (New)	3.00
03.	Monitoring of CETPs in Gujarat and Maharashtra (New)	3.00
04.	Monitoring of STPs in Gujarat and Maharashtra (New)	3.00
05.	Performance evaluation of RO, MEEs installed at different chemical industries in Gujarat (New)	1.00
06.	Monitoring of VOCs in industrial areas like Vatwa in Gujarat and Patalganga in Maharashtra (New)	6.00
	Sub Total	17.00
Project – II : Scientific and Technical Activities and R&D		
07.	Strengthening, operation & maintenance of Laboratory and Office (New).	24.00
08.	Annual Maintenance Contract of Instruments (New).	03.00
09.	Running and maintenance of Office Vehicles (New).	04.00
	Sub Total	31.00
Project Head- III (b) – Enforcement		
10.	ESS Programmes and Public Complaints (New).	165.00
11.	Maintenance of Parivesh Bhawan (new office – cum – lab) (New).	25.00
	Sub Total	190.00
Project-IV (a): Training Programmes		
12.	Registration fees and TA/DA for attending the training Programmes (New).	2.50
	Sub Total	2.50

Project Head- IV (b) PR, Mass Awareness Programmes & Hindi		
13.	Creation of Mass Awareness Programmes (New)	1.00
	Sub Total	1.00
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 systems (New).	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)		
16.	Assessment of Status of Co – incineration of Hazardous Waste in Cement plants located in Gujarat and Maharashtra (New).	0.50
17.	Performance of CBMWTFs and other HCFs in Gujarat and Maharashtra (New).	3.00
	Sub Total	3.50
	Grand Total	250.00