

CHAPTER-II C-2

REVIEW OF OVERALL PERFORMANCE DURING 1998-99

1.0. FORESTRY AND WILDLIFE

1.1. INDIRA GANDHI NATIONAL FORESTRY ACADEMY (IGNFA), DEHRADUN

(Rs. in Crores)

Name of the Activity	BE	Actual Exptd.	Physical Targets	Physical Achievements
IGNFA	1.70	1.83	a) Training of IFS Probationers b) Conduct of Induction Courses. c) Compulsory Courses	39 IFS Probationers of 1996-99 batch undergoing training. 55 IFS Probationers of 1997-2000 batch undergoing training. 2 Induction Courses for SFS officers promoted to IFS were conducted. 2 Compulsory Courses were conducted for 1 week & 2 weeks duration

1.2. STATE FOREST SERVICE AND RANGERS COLLEGES

(Rs. in Crores)

Name of the Activity	BE	Actual Exptd	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
SFS and Rangers Colleges.	1.20	0.41	Training of SFS Officers in 3 colleges - 6 courses. Thematic courses on Biodiversity Conservation & Participatory Forest Management for In-service SFS Officers with 25 participants – 2 courses. Refresher Courses for in-service SFS Officers with 35 participants each – 7 courses. Courses on Computer Application in Forestry for in-service SFS Officers with 35 participants each – 6 courses Other courses - 3	3 courses 1 course 3 courses 3 courses 2 courses	Due to inadequate demand for State Governments. -- -- --

1.3. INDIAN INSTITUTE OF FOREST MANAGEMENT (IIFM), BHOPAL

(Rs. in Crores)

Name of the Activity	BE	Actual Release	Physical Targets	Physical Achievements
IIFM	2.60	1.95		
MDP/ Courses and Seminars: PGDFM/ MRM			20 courses. 1 batch 1 batch	20 courses 1 batch 1 batch.

1.4. INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE (IPIRITI), BANGALORE.

(Rs. in Crores)

Name of the Activity	BE	Actual Release	Physical Target	Physical Achievements
IPIRITI	0.66	0.47	i) Inputs to improve capability in laboratory	Continuing project.
			ii) Training centre for mechanical wood industries	Continuing project.
			iii) Establishment of Particle Board and Finger Jointed Lumber Unit.	Not set up.

1.5. INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION (ICFRE), DEHRADUN

(Rs. in Crores)

Name of the Activity	BE	Actual Release	Physical Targets/Achievements
ICFRE			*
<u>1. Research (Plan)</u>			
a) General component.	30.00	15.00	
b) Externally Aided Component.	34.21	11.00	
2. Education & Training.	1.80	0.60	

- Methodology developed for setting research priorities implemented in 27 states and Andaman & Nicobar.

Formulation of state forestry research plans.

5 courses in 'Research Methodology with emphasis on statistic' for 100 scientists.

Requisite scientific journals procured.

Quarterly timber trade bulletin published.

Publication of Annual Report of ICFRE 96-97, IFLIN Newsletter, 11 brochures, 11 pamphlets etc. 3 films completed and 4 more films taken up

Consultancy for development of HRD plan for ICFRE granted.

Studies on Genetic improvement of Pinus roxburghi, evaluation of natural resistance in 300 different clones/hybrids of populus deltoids against important defoliators in FRI, Dehradun

Studies on rare, endangered and medicinal plants carried out in FRI, Dehradun.

Computerisation of herbarium in FRI, Dehradun.

Institute of Forest Genetic and Tree Breeding, Coimbatore undertook studies in casuarina and eucalyptus. Studies on seed production areas, collection of seeds, management and effecting cultivation on vegetation pattern undertaken in Institute of Rain & Deciduous Forest Research, Jorhat.

1.6.0. SURVEY AND UTILISATION OF FOREST RESOURCES

1.6.1. FOREST SURVEY OF INDIA (FSI)

(Rs. in Crores)

Name of the Activity	BE	Actual expdt.	Physical Targets	Physical Achievements
FSI	3.00	2.33		
a) Forest Inventory (area in sq. km)			25,000	55,794
b) Thematic Mapping (1:50,000 scale)			260 map sheets.	240 map sheets
c) Vegetation Mapping (1:2,50,000)			181 map sheets.	183 map sheets
d) Training (number of persons trained)			90	135
e) Data Processing (area in sq.km)			25,000	38,969

1.7. FOREST CONSERVATION

Under the Scheme, Strengthening of Forest Divisions, 7 Regional Offices are implementing the Forest (Conservation) Act and monitoring of Environmental Clearances accorded by the Ministry under Environment (Protection) Act. The physical and financial targets/achievements during 1997-98 are as under:

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets.	Physical Achievements.
Strengthening of Forest Division.	3.25	3.02	a) Monitoring of Forest Conservation Projects approved under FCA, 1980. Target: 950	450
			b) Monitoring of Environmental Projects approved under EPA, 1986. Target: 400.	284

1.8. FOREST PROTECTION AND REGENERATION

(Rs. in Crores)

Name of the Activity	BE	Actual Release	Physical Targets (in ha)	Physical achievements (in ha)
Association of Scheduled Tribe and Rural Poor in Regeneration of Degraded Forests.	2.10	1.57	10,550	10,570 (During VIII-8330 ha and in 1997-98 – 2240 ha.)

1.9. MODERN FOREST FIRE CONTROL METHODS IN INDIA

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
CSS for Introduction of Modern Forest Fire Control Methods in India.	2.70	0.61	11 States to be assisted.	States assisted.*
Central Component	0.40	0.17		

*Targets not fully achieved due to non-finalisation of EFC Memo.

1.10.0. WILDLIFE

1.10.1 NATIONAL ZOOLOGICAL PARK

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expenditure	Physical Targets	Physical Achievements
Development work in NZP	0.75 (Capital) 0.20 (Plan)	0.40 (Capital) 0.04 (Plan)	Improvement of Chimpanzee, Chinkara Zebra, Black Swan enclosures etc.	In progress. Some works have been completed.

1.10.2. WILDLIFE INSTITUTE OF INDIA (WII)

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets (No. of persons)	Physical Achievements (No. of persons)
WII	3.85	2.72		
a) M.Sc. course in Wildlife Science.			11	9
b) PG Dip. Course in Wildlife Management.			30	20
c) Certificate Course in Wildlife Management			30	17
d) Field Workshop/Courses.			120	96

1.10.3. STRENGTHENING OF WILDLIFE DIVISION AND CONSULTANCIES FOR SPECIAL TASKS

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
Strengthening of Wildlife Division	1.02	0.62	To provide funds for establishment, office expenses and travel for Regional Offices, Central Wildlife Division and Consultancies for Special Tasks.	Achieved

1.10.4. NATIONAL PARKS AND SANCTUARIES

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any
Development of National Parks and Sanctuaries.	12.00	4.16	To provide assistance for 250 National Parks & Sanctuaries.	Assistance was provided to State Govts./UTs for 135 National Parks and Sanctuaries.	EFC approval for the scheme with modifications for IX Plan has been obtained. CCEA approval is awaited..

1.10.5. CENTRAL ZOO AUTHORITY (CZA)

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets/ Achievement
CZA	5.00	4.50	*

*National Zoo Policy, 1998 formulated. The scheme 'Grants-in-aid to CZA' was approved by EFC with some modifications. Approval of Finance Minister is awaited.

1.10.6. ANIMAL WELFARE BOARD OF INDIA (AWBI)

(Rs. in Crores)

Name of Activity.	BE	Actual Expdt.	Physical Targets/Achievements
AWBI	4.23	2.75	*

*Assistance has been released to 78 Animal Welfare Organisations . 9,917 operations on stray dogs as a part of ABC programme have been carried out. 149 Animal Welfare Training Programmes have been conducted. The scheme has since been transferred to Ministry of Social Justice and Empowerment.

1.10.7. PROJECT TIGER (PT)

Assistance of Rs.8.78 crores was given to 23 identified Tiger Reserve areas during 1998-99 upto October, 1998.

1.10.8. ECO-DEVELOPMENT IN AND AROUND PROTECTED AREAS

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
Eco-development around Protected Areas.	8.00	4.05	To provide financial assistance to 80 National Parks and 18 Project Tiger areas.	Achieved.	-
India: Eco-development Project (World Bank aided Scheme).	58.83	11.05	Release of funds to 7 Project States.	Assistance was given to 7 Project States.	CCEA's approval accorded on 14/10/97.

1.10.9. PROJECT ELEPHANT (PE)

(Rs. in Crores)

Name of the	BE	Actual	Physical	Physical	Reasons for
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Activity		Release	Targets	Achievements	shortfall, if any.
PE	4.50	4.34	Elephant range states to be provided financial assistance.	Achieved.	

1.11. NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD

(Rs. in Crores)

Name	B.E.	Actual Expenditure	Physical Targets	Physical achievement
Integrated Afforestation and Eco-development Projects Scheme (IAEP)	33.00	28.84	45,274 ha.	Progress Report yet to be received
Fuelwood/Fodder Projects Scheme (AOFFP)	40.00	25.08	64,114 ha.	32000 ha.*
Non-timber Forests Produce (including Medicinal Plants) scheme (NFTP)	11.00	9.27	14,228ha.	7917*
Grants-in-aid scheme (for voluntary agencies)	1.55	0.84	--	47 agencies assisted
Seed Development Scheme	2.60	0.77	--	--

- Tentative Progress Report from all States/UTs are yet to be received.

1.12. BENEFICIERY ORIENTED SCHEME FOR TRIBAL VILLAGES OF PROJECT TIGER AREA NATIONAL PARKS AND WILDLIFE SANCTUARIES

The Scheme was launched during 1989-90 with an objective of rehabilitation of tribal families affected under relocation plan of Project Tiger areas. An amount of Rs. 3.00 crores was released to various State Governments under the Scheme.

1.13. BOTANICAL SURVEY OF INDIA (BSI)

The BSI is responsible for identification and conservation of genetic resources in the country.

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
BSI	4.00	1.65	Exploration surveys 72 tours Collection of specimens Ca 14000. Preservation of specimens Ca 12000 Coverage of species under threat in the publication of the Red Data Book – 42. Publication.-5	37 tours Ca 8500 Ca 7000 20 5

1.14. ZOOLOGICAL SURVEY OF INDIA (ZSI)

The ZSI is responsible for the exploration and survey of faunal resources and research on Taxonomy, biology, ecology, wildlife, animal population and behaviour. Its achievements during the year are as under:

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
ZSI	2.95	1.40	<p>Exploration and survey – 64.</p> <p>Status survey of endangered species – 2.</p> <p>Taxonomic studies – Identification of collecting material.</p> <p>Publication</p> <p>Computerization of collected data - 800 data</p> <p>Renovation of Indian Museum. Calcutta.</p> <p>ENVIS on Bio-diversity (Fauna) computerization of available data</p>	<p>41</p> <p>1</p> <p>Identification in progress.</p> <p>Editing of 2 volumes in progress. Annual Report of ZSI for 1995-96. State fauna of Meghalaya – Vol.V-VIII CRC work completed.</p> <p>Data entry work in progress.</p> <p>Work at MBS and NNRS in progress.</p> <p>Data entry in progress.</p>

1.15. ENVIRONMENTAL EDUCATION, AWARENESS & TRAINING

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any
1. Environment Education & Training	3.50	0.46			
i) NEAC			Different activities under the campaign to be completed	The campaign is in advanced stage and would be completed in time.	The expenditure is low as the major programme NEAC picks up during November/December
ii) Estt. Of Eco-clubs			1200	1600	--
2. Seminar/Symposia/ Workshops	0.30	0.08	65	57	Suitable proposals were not received

1.16. ENVIRONMENTAL POLICY AND LAW

(Rs. in Crores)

Name of the Scheme	B.E.	Actual Expdt.	Reasons for shortfall, if any

1. Environment Policy & Law Activities:	0.25	0.08	Due to restructuring of activities, this could not be utilised upto the target.
a) Environment Policy & Law			
b) Eco-mark scheme			
c) Comprehensive National Environment Policy			
d) Trade & Environment			
2. National Environment Tribunal	1.50	--	Act could not be put into operation

Physical Target:

1. Environment Policy & Law Activities:

- a) Publication of notification. Holding of Seminar. Amendment to Water Cess Act.
- b) Development of criteria. Publicity to Eco-mark. Assistance to Comparative Testing Programme.
- c) Publication of National Environment Policy document.
- d) Organisation of Seminars to prepare position paper.

2. National Environment Tribunal

- Setting up of Benches of the Tribunal.

Physical Achievement:

1. Environment Policy & Law Activities:

- a) Two notification published.
- b) A Project sanction to WITT.
- c) Process Continue

1.17. WORLD BANK AIDED INDUSTRIAL POLLUTION CONTROL PROJECT

(Rs. in Crores)

Name of the activity	B.E.	Actual Expdt.	Reasons for shortfall, if any
1. World Bank aided Industrial Prevention Control Project.	33.00	28.30	Additional Provision of Rs.11 crores has sanctioned anticipating that the expenditure will go beyond BE. Process of procurement of equipment have expedited will NTPC + CPCB for early procurement of equipment.
a) Industrial Pollution Control Project			
b) Industrial Pollution Prevention Project.			
2. World Bank aided Hazardous substance Management Project.	7.16	1.10	Negotiation of the project could not be finalized
a) Industrial Safety			

Disaster Prevention Project. b) Hazardous Waste Management Project.			
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Physical Target:

1. World Bank aided Industrial Prevention Control Project

a) Industrial Pollution Control Project

- Procurement of equipment for 4 SPCBs.
- Construction of Labs for 4 SPCBs.
- Training for SPCB personnel.
- Construction of CETPs.
- Awarded for Demo Projects.
- Award of projects under TA components.

b) Industrial Pollution Prevention Project

- Procurement of equipment.
- Seeking proposal for facilities from four SPCBs
- Seeking proposal for personnel training from SPCBs
- Procurement of Software for GIS by Gujarat PC Board.
- WMC Project to small scale Industries and organisation of training and identification and WMC for various industries.

2. World Bank aided Hazardous Substance Management Project

a) Industrial Safety Disaster Prevention Project

Award of ToRs 4,7 & 8 release of 1st instalment for ToRs 4,7 & 8 and release of 2nd instalment ToRs 1A, B,2,3,5 & 6

b) Hazardous Waste Management Project

Project is due for negotiation

Physical Achievements:

1. World Bank aided Industrial Prevention Control Project

a) Industrial Pollution Control Project

- Equipment under IFB 1A & B have been procured. Orders for some more equipment under IFB II have been placed.
- Laboratory have been contracted at UP, Tamil Nadu & Maharashtra PCBs.
- Training have been imparted to PCB personnel in the various subjects of Environment management
- 83 CETPs have been sanctioned so far
- 12 Demo projects have been sanctioned
- 21 small projects have been sanctioned under the TA components for feasibility studies etc.

b) Industrial Pollution Prevention Project

- 10 packages have been made. Tenders for 2 packages called and one opened.
- Proposal for Lab facilities obtained from Karnataka Boards and MP Board.
- Proposal for training of personnel of SPCB has been called.
- Tenders for Software procurement under GIS project finalised and GPCB has sent to World Bank for approval.
- WMC project for small scale industries has been implemented. 65 consultants have been identified from 50 organisation. 22 WMC have been established so far.

2. World Bank aided Hazardous Substance Management Project

- a) Industrial Safety Disaster Prevention Project ToRs 7 awarded.

1.18. NATIONAL MUSEUM OF NATIONAL HISTORY

(Rs. in Crores)

Name of the scheme	B.E.	Actual Expenditure	Physical Targets/Achievements	Reasons for shortfall, if any
National Museum of Natural History	2.50	1.31	*	--

*Collection of specimens for RMNH and NMNH was partially achieved.

IInd Phase of construction of building of RMNH, Bhopal is in progress.

Ist Phase of building of RMNH, Bhubaneshwar is ready for possession.

300 teachers trained at NMNH and 150 teachers at RMNH, Mysore for formal teaching programme.

Training of staff in computer operation for Bio-Science Computer facility has been achieved.

A large number of educational programmes, outreach activities were conducted for school children, college students, teachers, family groups, handicapped children and rural public.

Development of second gallery at RMNH, Mysore – exhibits developed.

1.19. ENVIRONMENTAL IMPACT ASSESSMENT

(Rs. in Crores)

Name of the Scheme	BE	Actual Expdt.	Physical Target/Achievements	Reasons for shortfall, if any
Environmental Impact Assessment	1.60	1.05	The objective of Impact Assessment division is to assess the Impact of any development Projects from Environment angle which is referred to this Ministry. Therefore there is no physical target and achievement.	--

1.20. CIVIL CONSTRUCTION UNIT

(Rs. in Crores)

Name of the Activity	BE/RE	Actual Expdt.	Physical Targets (No. of works)	Achievements (No. of works)	Reasons for shortfalls if any Under PE Progress	Sanction awaited (No. of works)
Forestry & Wild Life	3.25	0.55	28	-	16	12
Ecology & Wild Life	6.15	2.76	51	1	31	19
Environment Education/Training/Ext	2.50	0.45	4	1	3	-

ention						
Civil Works	1.40	1.00	--	--	--	--
Grand Total	13.30	4.76	83	2	50	31

1.21. ENVIRONMENTAL INFORMATION SYSTED (ENVIS)

(Rs. in Crores)

Name of the scheme	BE		Actual Expenditure		Physical Targets/ Achievements
	Plan	Non Plan	Plan	Non Plan	
ENVIS	1.50	0.30	1.42	0.14	*

*Physical Target and Achievements:

- Two ENVIS Centres on new emerging area are proposed to be set up during the year.
- Annual Report of the Ministry (98-99) will be published by ENVIS.
- A Home-page of the Ministry has been set up and could be browsed at URL: <http://nic.in/env> for
- ENVIS has also started publishing a quarterly journal namely 'Environ News' reporting various programmes, achievements, laws, rules, clearances etc. Newsletter has since been made on monthly basis from October, 1998. This newsletter would be continued to be published during 1998-99.
- Queries-answer service will be provided to all ENVIS network and efforts will be made to provide substantive information as far as possible to users.
- ENVIS has started implementing the Sustainable Development Networking Programme (SDNP) of UNDP.

1.22. CENTRES OF EXCELLENCE

(Rs. in Crores)

Name of the scheme	BE	Expdt.	Physical Target and Achievements
CENTRES OF EXCELLENCE	3.50	2.70	All the Centres continued their activities in their respective fields and special activities like organisation of seminars/Exhibitions etc. were undertaken.

1.23. NATIONAL NATURAL RESOURCES MANAGEMENT SYSTEMS (NNRMS)

(Rs. in Crores)

Name of the scheme	BE Plan	Actual Expdt. Non Plan	Physical Targets/Achievements
NNRMS	1.00	0.91	*

Physical Target & Achievements:

- A few new thrust areas already identified by the Bio-resource Committee have been covered and 7 new projects areas have been supported.
- Monitoring of the ongoing projects were taken up during the year.

1.24. PARYAVARAN VAHINI

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Physical Targets/Achievements

<u>Paryavaran Vahini</u>	0.50	0.18	Proposal for setting up new Paryavaran Vahinis in the identified districts have been processed.
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Reasons for shortfall:

Financial assistance to the existing vahinis could not be released due to non submission of requisite financial documents by the concerned State Governments. Efforts are being made to get the documents from the State Governments at the earliest possible.

1.25. NATIONAL RIVER CONSERVATION DIRECTORATE

(Rs. in Crores)

Name of the activity	BE	Actual Expend.	Physical Target	Physical Achievement	Reasons for shortfall, if any
1. GAP-I	12.70	3.28	Completion of remaining 7 schemes	--	The shortfall in expenditure in 1998-99 was mainly on account of slow progress made in the implementation of the River Action Plans owing to reluctance of the State Governments to provide their matching share of funds. The issue has been resolved, after the decision of the CCEA to permit 100% funding by the Government of India.
2. GAP II	165.00	68.75	To monitor progress/completion of schemes	24 schemes completed	
a. YAP		0.00	“	8 schemes completed	
b. GoAP		0.00	“	.	
c. DAP		9.00	“		
d. GAP II MS		1.50	“		
e. GAP II SC					
f. CETP					
3. NRAP	14.00	14.00	“	18 schemes completed	
TOTAL	191.70	96.53		50 Schemes	

GAP(Ganga Action Plan); YAP (Yamuna Action Plan); GoAP (Gamti Action Plan); MS (Main Stem); SC (Supreme Court); CETP (Common Effluent Treatment Plant).

1.26. ASSISTANCE FOR ABATEMENT OF POLLUTION

(Rs. in Crores)

Name of the scheme	BE	Expenditure	Reasons for shortfall, if any
Assistance For Abatement of Pollution	1.00	0.40	Shortfall is due to non-receipt of demands from various SPCBs/UT PCCs. However, earmarked amount can be utilised well within the current financial year. No physical targets were set

1.27. REIMBURSEMENT OF WATER CESS

(Rs. in Crores)

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Name of the scheme	BE	Expdt.	Targets and Achievements
Reimbursement of Water Cess (Non-Plan)	50.00	12.62	Shortfall is due to non-receipt of Cess deposits from various SPCBs/UT PCCs.

1.28. TAJ PROTECTION MISSION

(Rs. in Crores)

Name of the scheme	BE	Expdt.	Physical Targets/ Achievements	Reasons for shortfall
TAJ PROTECTION MISSION	50.00	--	*	The concept paper on the Taj Protection Mission has been sent after seven months by the Government of Uttar Pradesh. As a result of which delay has been occurred for the approval of EFC and finalisation of the CCEA note.

*Physical Target

- Approval of the EFC
- Approval of the CCEA for release of funds to the Government of UP
- Release of funds

*Physical Achievements

- The EFC Memo has been approved
- The CCEA note has been approved by the Ministry of Finance and is being sent to CCEA for approval.

1.29 CENTRAL POLLUTION CONTROL BOARD

Rs. in Crores)

Name of the Activity	BE		Actual Expdt.		Physical Target/ Achievements
	Plan	NonPlan	Plan	Non Plan	
CENTRAL POLLUTION CONTROL BOARD	8.00	6.73	3.11	3.46	*

- Salient features & Achievement

During the current Annual Plan (1998-99), the important activities which have been taken up are;

- i) Operation and Maintenance of continuous water and air quality monitoring stations located on river Ganga and Yamuna and for air quality monitoring stations in Delhi.
- ii) Assessment of coastal water quality particularly in regard to disposal of domestic sewage as well as industrial waste water into various coastal stretches.
- iii) Preparation of pollution status report for metrocities.
- iv) Bio monitoring of water bodies through SPCBs.
- v) Organizing analytical quality control tests for laboratories of SPCBs.
- vi) Studies on treatment of hazardous wastes.
- vii) Standardisation of methodology for analysis of total organic halides (AOX) and certain other organic compounds (PCBs).
- viii) Draft Vehicular exhaust emission standard and fuel quality specifications for 2005 AD.
- ix) Preparation of Comprehensive Industrial Document for hot mix plants, Ship breaking industries, secondary zinc and lead smelting industries etc.

- x) Development of emission standard for oil refineries, petrochemicals and revision of standards in respect of those categories of industries which were developed during 1984-1990.
- xi) Review of ISO 14,000 series document and working for Environment management System and follow ups arising out of Technical committee and Sub-Committees constituted for eco-labeling products.
- xii) Strengthening of data base including streamlining flow of data relating to various aspects of pollution from the SPCBs.
- xiii) Continuation of environment surveillance activities through Environment Surveillance Squad set up by CPCB at its HQ and through Zonal offices.
- xiv) Continuation of persuasion on ensuring compliance of pollution control standards in respect of 17 categories of highly polluting industries, industries located in critical polluted areas and industries discharging wastewater into rivers and lakes.
- xv) Continuation of World Bank assisted project relating to Zoning Atlas which includes preparation of atlases for siting of industries based on environmental consideration and relating to Urban Planning.
- xvi) In addition to the programmes relating to Pollution Control Enforcement, CPCB has also taken up important schemes relating to technologies applicable for prevention and control of pollution. A few of such studies include;
- Prevention and control of noise pollution;
 - Utilisation of industrial waste example glass furnace slag, red mud and metallurgical slag etc.
 - Low cost waste treatment, etc.
- xvii) Management of Bio-Medical and Municipal solid waste.
- xviii) Inventorization of hazardous waste generating industries in the States and identification of sites for undertaking Environment Impact Assessment.

1.30. ENVIRONMENTAL AUDIT , CLEAN TECHNOLOGY, ENVIRONMENTAL STATISTICS AND MAPPING

(Rs. in Crores)

Name of the activity	BE	Actual Expdt.	Physical Target/ Physical Achievements
Environmental Audit	0.10	0.10	Training programmes on Environmental Audit in the sectors of pulp and paper, cement, distilleries and fertiliser have been sponsored during the year. Environmental Audit update has also been brought out during the year. Preparation of sector specific manual for fertiliser industry has also been sponsored during the year.
Environmental Statistics and Mapping	0.10	0.10	Preparation of Environmental Atlas for various districts. A project Integrated Coastal Environmental Management Plan in the region between Visakhapatnam and Kakinada has been sponsored to EPTRI, Hyderabad.
Adoption of Clean Technologies in Small Scale Industries	0.10	0.10	Training and awareness programmes in selected sectors of small scale industry. Waste minimisation demonstration studies in selected sectors of SSI. Training and awareness programmes and short duration education workshops for small scale industry sector and for entrepreneurs in selected sectors are being conducted by DC:SSI. Studies on waste minimisation and demonstration in Chemical Sector and Bulk drug industry have been sponsored.

1.31. CLEAN TECHNOLOGY

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Target	Physical Achievements	Reasons for shortfall, if any
1. Sustainable Development Strategies	5.5	1.17	Two Carrying Capacity Studies to be completed.	Two Studies under completion	--
2. Development & promotion of clean technology	--	--	Approval awaited to set up ICPC	--	--

1.32. BIODIVERSITY CONSERVATION

The draft National Strategy and Action Policy for Biodiversity has been revised, and was submitted to the Committee of Secretaries for approval. As suggested by the Cabinet Secretariat, the draft has been abridged and resubmitted to the Committee of Secretaries. A draft Cabinet note along with the draft outline of bio-diversity legislation was circulated to concerned Ministries/Departments for their comments. Comments received were analyzed and the draft revised. A meeting of small group of experts to discuss the revised draft was held on 27.10.98 under the chairmanship of Minister for Environment and Forests.

1.33. ASSISTANCE TO BOTANIC GARDENS:

This Scheme is aimed at conservation and propagation of plant and genetic resources. Its achievements in the year are given below:-

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
Assistance to Botanic Gardens	0.52	0.52	Inviting proposals from existing Botanical Gardens. .	Botanic gardens were provided financial support.

1.34. RESEARCH AND ECOLOGICAL REGENERATION

(Rs. in Crores)

Name of the activity	BE	Actual Expdt.	Physical Targets/ achievements
Research & Development	4.00	1.98	*

*Physical targets/achievements

During 1998-99, more than 112 projects continued to progress under the Environmental Research Programme, Man & Biosphere Programme & the Research programme for the Eastern & Western Ghats. Up to December 1998, 33 new projects have been sanctioned. Twenty more new projects are expected to

be initiated by March, 1999. Forty eight projects were reviewed during 1998-99 through Expert Committees in all three programmes.

The B.P. Pal National Environment Fellowship Award for Biodiversity for the year 1998 was awarded to Dr. Shashi Kant, Department of Biosciences, University of Jammu, Jammu. The Pitamber Pant National Environment Fellowship Award for 1998 was given to Dr. U.C. Mishra, Director, Health, Safety & Environment Group, BARC, Mumbai.

1.35. G.B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT & DEVELOPMENT

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
GB Pant Institute of Himalayan Environment & Development.	4.78	2.03	Strengthening of on-going R&D Projects to be carried out. Buildings of Kullu unit to be completed and Sikkim unit to be expedited.	All R&D targets were achieved. Kullu unit construction nearly completed. Sikkim unit work of construction started.	Work area restricted and new project initiation delayed due to insufficient manpower & funds.

1.36. INTEGRATED ACTION ORIENTED R&D AND EXTENSION PROJECTS IN HIMALAYAN REGION

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
Integrated Action Oriented Eco-development	0.40	0.10	Continuation of ongoing projects and new projects.	Satisfactory.

1.37. HAZARDOUS SUBSTANCES MANAGEMENT

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Target/achievements
Hazardous Substances Management	2	0.35	*

* Targets and Achievements

1. Crisis Management:

- i) 2nd meeting of the CCG was held. Follow up action of the meeting is being done. Coordination committee has been constituted to analyze the post accident situation. National Safety Council has been requested to prepare draft scheme on Chemical Crisis Management for financial help to various states.
- ii) LAN system has been installed. Interaction with NIC is going-on for further augmentation of the Control Room.
- iii) Fourth edition of Red-Book has been published and circulated. Information is being collected for incorporation of the Control Room.
- iv) Two accidents related to the release of Chlorine gas during transportation at Rajasthan and fire in LPG tanker at Assam have been attended.

2. Accident Prevention & Emergency Preparedness:

- i) A subscheme entitled industrial pocket wise Hazard Analysis has been in operation since 8th Five Year Plan. Out of 180 Hazard one industrial pockets, 45 Hazard Analysis Studies have been initiated during 8th Five Year Plan. Out of forty five, 37 studies have been completed. Remaining 8 Hazard Analysis studies are being offered to the consultant. Seven more industrial pockets are being identified for consideration.
- ii) Proposal for setting up ERC at Vizag has been received, which is being examined.
- iii) Activities of the Poison Control Centre at AIIMS is being monitored. Third installment has been released.
- iv) Fifth meeting of the Core Group was held for review of the Hazard Analysis Study. The Core Group has been reconstituted. Sixth meeting of the Core Group will be conducted shortly for reviewing Five Hazard Analysis Studies.
- v) Workshop on Industrial Safety and Emergency Preparedness Plan was held at India Habitat Centre, New Delhi and two more workshops at Calcutta and Bombay will be conducted shortly.
- vi) Three indefinite institutes namely FICCI, HARD and DMI have been financially assisted for conducting training programme on emergency preparedness. Financial assistance for two more programmes will be released to two institutes.
- vii) Cabinet note on setting up of Environmental Relief Fund and establishment of the ERF Scheme has been prepared after incorporating the comments from various departments. The note will be sent to the cabinet for discussion in the meeting
- viii) Amendments to the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 have been finalised after vetting by the Ministry of Law and put up for approval of MEF.

Hazardous Waste Management:

- i) Draft on an amendment to the Hazardous Wastes (Management and) Handling Rules, 1989 have been finalised and put up for approval.
 - ii) Fifteen States have been provided financial assistance for identifying 23 hazardous waste disposal sites after EIA study. 25 sites in different States will be identified in IX Plan. Identification to five sites are being done.
 - iii) An interministerial meeting was held with the objectives of (i) setting procedures for imports of recyclable wastes and (ii) harmonization of the Ports and Customs regulations and disposal of wastes lying at various ports.
 - iv) Proposal are being invited from various organizations for conducting training courses on Hazardous Waste Management regulations, implementations, disposal practice, design of the disposal sites, monitoring and analysis of wastes for officers of the implementing authorities and other organizations. Proposal will be invited from three organizations and examined for funding.
 - v) The draft of the amendments to the HW rules 1989 will be gazetted and after taking into account comments received will be finally notified.
- Amendments to the MSIHC rules will be gazetted.
 - Final notification banning Import of waste Asbestos (dust & fibre) and waste containing PCT & PBB will be issued.

Court Cases:

- i) In respect of Public Interest Litigation No.657/95 before the Hon'ble Supreme Court on ban on import of hazardous wastes in the matter of Research Foundation for Science, Technology and Natural Resource Policy Vs. Union of India & Others, a High Powered Committee under the chairmanship of Prof. M.G.K. Menon, has been constituted to further examine the question of import and other related issues concerning management of hazardous wastes. The High Powered Committee has already submitted its interim report to the Hon'ble Court. The next date of hearing is still awaited. Menon Committee has prepared an action plan for preparation of the final report. MoEF has to take action on various points.
- ii) In respect of W.P.No.967/89 in the matter of Indian Council for Enviro Legal Action Vs. Union of India and others before the Hon'ble Supreme Court on ground water, pollution and soil degradation in village Bichhri, Udaipur, Rajasthan by toxic effluents, the Hon'ble Court has

approved the proposal submitted by MoEF for remediation of affected site at Bichhri. A Project Management Consultant (PMC) has already been appointed for implementation of the project for remediation. The NPC being the Project Management “Consultant has invited international bid for feasibility studies for remediation project. Technical and financial proposals have been evaluated. Quarterly progress report are being prepared for filing to the Hon’ble Supreme Court.

1.38. CONSERVATION AND MANAGEMENT OF MANGROVES

The Scheme aims at conservation and management of identified mangroves. Its achievements during the year are as follows:

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any
Conservation and Management of Mangroves and Coral Reefs.	1.56	0.51	MAPs for 6 mangroves and 2 coral reefs.	MAPs for 4 mangroves.	Fresh approval of the scheme awaited.

1.39. BIOSPHERE RESERVE

The Scheme is intended to conserve representative ecosystems. Its achievements during the year are as follows:

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
Biosphere Reserve.	2.62	0.99	Convening of meeting of National Committee for approval of MAP in respect of Biosphere Reserves. Evaluation of MAP and research activities.	Meeting of National Committee and Research Advisory Committee held. Evaluation proposed in January, 1999.	Not applicable.

1.40. INTERNATIONAL COOPERATION

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Reasons for shortfall, if any
Environmental Management Capacity Building Technical Assistance Projects	36.00	6.67	Three components, of the project have been dropped
India Canada Environmental Facilities	1.00	--	No commodity will be donated by Canada
Delhi, Surat Urban Environmental Project	2.00	--	PIP for the Institutional strengthening of Gujarat Component has not been approved by World Bank
International Cooperation activities	1.25	0.51	Shortlisting of consultants are yet to be finalised

Achievements:

- (a) The first meeting of GEF Assembly was hosted by India in New Delhi from April 1-3, 1998. Participants from over 100 countries and representatives from international organizations attended this Meeting. The Assembly was preceded by the 11th Council meeting of GEF.
- (b) Minister of Environment & Forests led the Indian delegation to the Sixth Session of Commission on Sustainable Development (CSD) held in New York from April 20-May 1, 1998. The Session was devoted to the thematic subject of fresh water management. Other cross-sectoral issues discussed in this Session were technology transfer, capacity building, industry, finance and awareness raising, etc.
- (c) Indian delegation attended the 12th Meeting of GEF Council held in Washington in October, 1998.
- (d) The Programme Management Board (PMB) constituted under the GOI-UNDP Country Cooperation Framework-I on environment support programme has so far approved 15 projects for funding under the programme.
- (e) Under the World Bank assisted Environment Capacity Building, considerable progress has been made in the implementation of sub-components on environmental law, environmental economics, zoning atlas and Gujarat specific components. The first meeting of the National Steering Committee was held in August, 1998 under the chairmanship of Secretary(E&F) which reviewed the progress of implementation of various sub-components.
- (f) Minister for Environment & Forests participated in the Fifth Special Session of Governing Council of United Nations Environment Programme (UNEP) held in Nairobi from 20-22 May, 1998.
- (g) Secretary(E&F) led the Indian delegation to the First meeting of ERSCAP Committee on Environment and Natural Resources in Bangkok during October, 1998.
- (h) MEF led the Indian delegation to the Fourth SAARC Environment Ministers Meeting held in Colombo, Sri Lanka in October, 1998.
- (i) Secretary(E&F) participated in the Meeting of High Level Committee of Ministers and officials of the United Nations Environment Programme held in Buenos Aires on 10th November, 1998.
- (j) An MOU in the field of Environment and Forests was signed with Federal Republic of Germany on 8 September 1998 during the visit of President of India to Germany.
- (k) A high level delegation to be led by Minister of Environment and Forests would attend the UNEP meeting scheduled for the first week of February'98.
- (l) Secretary(E&F) will be leading Indian delegation in January 1998 to attend the first meeting of the Indo-Brazil Common Agenda for Environment.
- (m) Officials from the Ministry of Environment & Forests, State Environment and Forests Departments, Central and State Pollution Control Boards, NGOs, and the autonomous bodies/institutions of Central and State Governments were nominated for the international Trainings/Seminars/Workshops, etc.
- (n) Delhi urban Environment and Infrastructure Improvement Project: The World Bank will be providing a grant of US\$900,000. The TORs have been finalised and the technical bids of the short listed consultants for undertaking the above study have been sent to World Bank for their approval. After approval, the financial bids will be opened and the consultancy will be finalised.
- (o) India-Canada Environment Facility(ICEF) was set up on the basis of Memorandum of understanding signed between the Government of India and Canada. ICEF has approved eleven projects for funding.