

## CHAPTER-11 C-2

### REVIEW OF OVERALL PERFORMANCE DURING 1997-98

#### 1.0. FORESTRY AND WILDLIFE

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

(Rs. in lakhs)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
IGNFA	137.00	148.79	a) Training of IFS Probationers	38 IFS Probationers of 1996 batch undergoing training. 56 IFS Probationers of 1997 batch undergoing training.
			b) Conduct of Induction Courses.	2 Induction Courses for SFS officers promoted to IFS were conducted.
			c) Compulsory Courses.	2 Compulsory Courses were conducted for 1 week & 2 weeks duration.

##### 1.2. STATE FOREST SERVICE AND RANGERS COLLEGES

(Rs. in lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
SFS and Rangers Colleges.	84.00	70.00	Training of SFS Officers in 3 colleges - 6 courses.	3 courses	Due to inadequate demand for State Governments
			Theme based in-service course for SFS Officers - 4 courses.	4 courses	
			Refresher Courses for in-service SFS Officers with 35 participants each - 10 courses.	10 courses	
			Courses on Computer Application in Forestry for in-service SFS Officers with 35 participants each - 6 courses.	6 courses.	
			Other courses	3 courses	

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

(Rs. in lakhs)

Name of the Activity	BE	Actual Release	Physical Targets	Physical Achievements
<b>IIFM</b>	210.00	200.00		
MDP/ Courses and Seminars: PGDFM/ MRM			20 courses. I batch 1 batch	20 courses I batch I batch.

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

(Rs. In lakhs)

Name of the Activity	BE	Actual Release	Physical Target	Physical Achievements
IPIRITI	45.00	45.00	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 lakhs)

Name of the Activity	BE	Actual Release	Physical Targets/Achievements
ICFRE			*
1. Research (Plan			
a) General component.	2000.00	2000.00	
b) Externally Aided Component.	4455.00	3274.00	
2. Education & Training.	110.00	110.00	

\*Production of film on Bamboos was initiated.

National Workshop on Forestry Extension was conducted.

Requisite scientific journals procured. Quarterly timber trade bulletin published.

Training programme on HRD was prepared. 8 research projects were sanctioned to State Forest Departments.

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

Computerisation of herbarium started in FRI, Dehradun.

Institute of Forest Genetic and Tree Breeding, Coimbatore undertook productivity enhancement studies in casuarina and eucalyptus.

Studies on stress-tolerance and water requirement in different species undertaken in Arid Forest Research Institute, Jodhpur,

**1.6.0. SURVEY AND UTILISATION OF FOREST RESOURCES****1.6.1. FOREST SURVEY OF INDIA (FSI)**

(Rs. In lakhs)

Name of the Activity	BE	Actual expdt.	Physical Targets	Physical Achievements
<b>FSI</b>	180.00	152.34		
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 lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets.	Physical Achievements.
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<b>Strengthening of Forest Division.</b>	230.00	307.00	a) Monitoring of Forest Conservation. Projects approved under FCA, 1980. Target: 950	882
			b) Monitoring of Environmental Projects approved under EPA, 1986. Target: 400.	651

### 1.8. FOREST PROTECTION AND REGENERATION

(Rs. In lakhs)

Name of the Activity	BE	Actual Release	Physical Targets (in ha)	Physical achievements (in ha)
<b>Association of Scheduled Tribe and Rural Poor in Regeneration of Degraded Forests</b>	210.00	87.2	10,550	10,205

### 1.9. MODERN FOREST FIRE CONTROL METHODS IN INDIA

(Rs. In lakhs)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
<b>CSS for Introduction of Modern Forest Fire Control Methods in India.</b>	151.00	151.00	11 States to be assisted	11 States assisted.
<b>Central Component</b>	39.00	39.00		

### 1.10..0. WILDLIFE

#### 1.10.1. WILDLIFE INSTITUTE OF INDIA (WH)

(Rs. In lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets (No. of persons)	Physical Achievements (No. of persons)
<b>WII</b>	365.00	365.00		
a) M.Sc. course in Wildlife Science.			10	9
b) PG Dip. Course in Wildlife Management.			30	23
c) Certificate Course in Wildlife Management			30	10
d)Field Workshop/ Courses.			60	59

#### 1.10.2. STRENGTHENING OF WIELDLIFE DWISION AND CONSULTANCIES FOR SPECIAL TASKS

(Rs. In lakhs)

Name of the Activity	BE	A c t u a I Expenditure	Physical Targets	Physical Achievements
<b>Strengthening of Wildlife Division</b>	112.00	99.00	To provide funds for establishment, office expenses and travel for Regional Offices, Central Wildlife Division and Consultancies for Special Tasks.	Achieved

#### 1.10.3. NATIONAL PARKS AND SANCTUARIES

(Rs. in crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any
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<b>Development of National Parks and Sanctuaries</b>	11.5	12.00	To provide assistance for 250 National Parks and Sanctuaries	Assistance was provided to State Govts./UTs for 215 National Parks and Sanctuaries	Shortage of funds was the constraint for achieving full targets.
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#### 1.10.4. CENTRAL ZOO AUTHORITY (CZA)

(Rs. in lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets / Achievements
CZA	300.00	380.00	*

\*Evaluation of all large zoos. 7 medium zoos and 6 small zoos has been completed. Financial assistance has been provided to 10 zoos for upgrading of animal houses, improvement of veterinary facilities, food storage, water supply, etc. Centre for Cellular & Molecular Biology, Hyderabad continued to work on Research Project awarded to each.

#### 1.10.5. ANIMAL WELFARE BOARD OF INDIA (AWBI)

(Rs. in lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets / Achievements
AWBI	160.00	176.00	*

\*Assistance has been released to Animal Welfare Organisations who have settled previous years' accounts. As a part of Humane Education activity, 3 weeks' training courses have been conducted. 30,000 operations on stray dogs as a part of ABC programme in 6 metros are proposed to be completed by 31/3/98.

#### 1.10.6. PROJECT TIGER (PT)

Assistance of Rs.8.05 crores was given to 23 identified Tiger Reserve areas during 1997-98.

#### 1. 10.7. 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
<b>Development of National Parks and Sanctuaries</b>	10.50	3.46	To provide financial assistance to 71 National Parks and 18 Project Tiger areas.	Achieved.	
<b>India: Eco-development Project (World Bank aided Scheme).</b>	20.00	14.35	Release of funds to 7 Project States.	Assistance was given to 7 Project States.	CCEA's approval accorded on 14/10/97,

#### 1.10.8. PROJECT ELEPHANT (PE)

(Rs. in lakhs)

Name of the Activity	BE	Actual Release	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
PE	425.00	425.00	12 Elephant range states to	8 States could be provided	Due to large unspent balance

			be provided financial assistance.	assistance.	with State Govts.
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### 1.11. NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD

(Rs. in crores)

Name	B.E.	Actual Expenditure	Physical Target/ achievement
Integrated Afforestation and Eco-development Projects Scheme (IAEP)	33.00	25.07	3358 ha.
Fuelwood/Fodder Projects Scheme (AOFFP)	40.00	29.58	75546 ha.
Non-timber Forests Produce (including Medicinal Plants) scheme (NTFP)	11.00	7.50	2317 ha.
Grants-in-aid scheme (for voluntary agencies)	1.55	1.41	45 projects sanctioned
Seed Development Scheme	2.60	1.50	11 States assisted.

Note: The reasons for shortfalls in the release in respect of these schemes namely IAEPs, AOFFP, NTFP, Seed Development are as under:

Planning Commission was considering the transfer of these schemes to the States. Retention of the schemes has been confirmed only in June/July, 1997. Adhoc release has been possible only in AOFFP. Directions were that no expenditure was to be incurred under IAEPs, AOFFP and NTFP Schemes until further clearance. This clearance has been given by Ministry of Finance only on 16-9-97.

### 1. 12. BENEFICIERY ORIENTED SCHEME FOR TRIBAL VILLAGES OF PROJECT TIGER AREAS, 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. 1.10 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 lakhs)

Name of the Activity	BE	Actual expenditure	Physical Targets.	Physical Achievements
BSI	365.00	210.89	Exploration surveys 66 tours	42 tours
			Collection of specimens. Ca 12,000.	Ca 18,000
			Preservation of specimens Ca 10,000	Achieved.
			Coverage of species under threat in the publication of the Red Data Book - 40.	Achieved.
			Publication.	9

### 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:

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
ZS1	295.00	182.00	Exploration and survey - 27.	27.
			Status survey of endangered species - 1.	1
			Taxonomic studies - Identification of collecting material.	Identification in progress.
			Publication	Vol. 96, Parts I&II ready for press. Annual Report of ZSI for 1994-95 in press. State fauna of Meghalaya - Parts 6-8 in press.
			Computerisation of collected data.	400 data entered.
			Renovation of Indian Museum. Calcutta.	Completed.
			ENVIS on Biodiversity (Fauna)	350 references entered and publication of a special volume on Biodiversity is in progress.

#### 1.15. ENVIRONMENTAL EDUCATION, AWARENESS & TRAINING

(Rs.in lakhs)

Item	BE	Expdt.	Target	Achievement
1. Environmental Education, Awareness and Training	350.00	337.27		
i) Establishment of Eco/Environmental Clubs in School			1000	202
ii) Production of Environmental Education Resource Material			4	0
iii) Production of films (completed)			10	6
iv) Advertisement on Bus Pannels			4 (States/UTs)	0
v) Advertisement through magazine			4	3
vi) Newspaper Advertisement			4	3
vii) Radio Programmes			2	4
viii) Printing of poster/poster calendar			2	0
2. Grants-In-Aid to Professional Societies	10.00	2.50	13	2
3. Paryavaran Vahini	50.00	29.06		
4. Seminars/Symposia/Workshops	30.00	29.13		

#### 1.16. POLICY AND LAW

(Rs. in lakhs)

Sl.No.	Name of the Activities	B.E.	Actual Expdt.
I.	Environmental Policy, Legislation.		

2.	Eco-mark Scheme	25.00	8.00
3.	Comprehensive National Environment Policy		
4.	Integration of Economic Instruments		

Physical Target:

a) Water(P&CP) Amendment Bill 1997 to be passed in Parliament to enhance the Cess rates for augmenting the resources of SPCBs & CPCB. b) Issuance of various notification on delegation of powers.

Criteria for products will be notified and emphasis will be placed on publicizing and proposal on Comprehensive Testing Programme. Physical achievements:

A Comprehensive exercise for introduction of the Bill was taken up but the same could not be completed due to dissolution of 11th Lok Sabha.

5 Notifications have been issued under Environment (Protection) Act 1986.

Criteria for 18 products have been notified finally. At the instance of Ministry, Waterfall Institute had organised Appreciation Programme on Eco-Mark Scheme. This Ministry has also given study to Consumer Unity Trust, Calcutta on "Effective Promotion & Marketing of Eco-Friendly Consumer Products."

#### 1.17. WORLD BANK AIDED INDUSTRIAL POLLUTION CONTROL PROJECT

(Rs. in lakhs)

Name of the Activity	BE	Actual Expdt	Physical Target	Physical Achievement	Reasons for shortfall, if any
A. Pollution Control Projects – Externally aided	30000.00 (both Pollution Control & Prevention Projects)				
Procurement of equipment		918.88	Procurement of equipment for State Boards of UP, Tamil Nadu, Gujarat & Maharashtra	Tenders for two packages for equipment have been evaluated and approved after consultation of the World Bank	Evaluation of tenders had to be made as per the technical specification. This need to be have the approval of the World Bank. Meetings were held with the CPCB & NTPC to expedite procurement procedures.  This is only major component remains to be completed.  NIL
Training		48.76	Training to the personnel of all the Pollution Control, Boards	18 Training programmes have been sanctioned	NIL
Demonstration Projects		589.00	Sanctioning of Demonstration Projects that are received by the	Balance funds have been released	NIL

Technical Assistance Component		99.17	Ministry		
B-promotion of Common Effluent Treatment Plants (CETPs)	300.00	600.00 (additional funds amounting to Rs. 300.00 lakhs obtained by re-appropriation)	R&D and related projects studies Technical Assistance component.  Establishment of common Effluent Treatment Plant (CETP)	10 projects under technical assistance have been sanctioned earlier & subsequent instalment have been released  78 CETPs have been sanctioned by MoEF & subsequent instalment of funds have been released.	

(Rs. in crores)

Name of the activity	BE	Actual expenditure	Physical target	Physical achievements	Reasons for shortfall, if any
ISDPP	2.00 (total cost is Rs. 3.18)	1.2	To appoint consultants for TORs IA, 1B, 2, 3, 4, 5, 6, 7 and 8  2.To get feasibility studies report.	1. Consultants appointed for TORs IA, 1B, 2, 3, 5 & 6.  2. First draft report is expected in 1997.	Payment to foreign consultants delayed because of income-tax clearance which is still awaited

#### TERM OF REFERENCES (TOR)

(Rs. in crores)

Name of the activity	BE	Actual expenditure	Physical target	Physical achievements	Reasons for shortfall, if any
Hazardous Waste Management Project.	2.00	--	Implementation of the components of the Projects.	--	Project is at negotiation stage.

#### 1. 18. WORLD BANK AIDED INDUSTRIAL POLLUTION PREVENTION PROJECTS

Activities	BE	Actual expdt.	Physical Target / Achievements	Reasons for shortfall
Industrial Pollution Prevention Project  A. Institutional Component	No separate budget was allocated for each of the programme. Rs. 30 crores was allocated for both Industrial Pollution Control of Prevention Project		*	No shortfall

1. Training		4.5		
2. Equipment		0.8112		
3. Lab facilities				
4. GIS				
B. Investment Component				
1. CETP / IWRP				
C. Technical Assistance				
1. CTI Network				
2. Waste minisation		0.40		
3. Feasibility study				
4. Consultancy services		2.25		

\* Physical targets

1. Signing of agreement with consultants
2. Making of packages for procurement of equipment.
3. For GIS programme, identification of hazardous waste generating units aid.

Identification of waste minisation circles.

Identification of consultants and measures for waste minisation.

\* Physical achievements

1. An agreement has been made with the RITES as a procurement consultant for the instruments.
2. Packages for procurement of equipment has been made.
3. First tender has been advertised by RITES for procurement of equipment.
4. Under GIS hazardous waste generating units have been identified. 9 training have been given to scientice. Technical specification for hardware have been made.

15 waste minisation circles have been established. 300 waste minisation measures have been identifiel. MOEF has also sponsored a project, "Waste Minisation In Small Scale Industries"to the National Productives Council.

### 1.19. ENVIRONMENTAL IMPACT ASSESSMENT

Following were the targets and actuals in regard to the Appraisal of the Projects.

Types of Projects	Target	Achievement
Industry	60	83
The rmal	24	41
RV/HE	16	16
Mining	30	12
Infrastructure	40	36

## 1.20. CIVIL CONSTRUCTION UNIT

(Rs. in crores)

S1. No.	Item	B.E.	Actual expenditure	Physical targets	Physical achievements	Reasons for shortfall, if any, (no. of works) under progress	PE /sanction awaited
1.	Forestry & Wildlife	1.65	1.65	16	6	3	7
2.	Ecology & Environment	3.70	4.09	47	21	26	--
3.	Environment Education/ Training/ Extension	1.15	0.67	5	2	3	--
4.	Civil Works	1.30	1.39	--	--	--	--
	Grand Total	7.80	7.80		29	32	7

## 1.21. ENVIRONMENTAL INFORMATION SYSTEM (ENVIS)

(Rs. in lakhs)

Name of the scheme	BE	Physical Targets/Achievements	Expenditure
ENVIS	115.00 150.00(RE)	*	153.31

\*Physical Target and Achievements

- A new ENVIS Centre on 'Panchayati Raj and Environment' was set up at Indian Environmental Society during the year as targeted.
- The hardware and other facilities were provided to various ENVIS Centres in order to set up the E-mail addresses for electronic communication among the Centres and Focal Point.
- A Home-page on ENVIS has been created in the internet web site.
- Steps have been taken to publish the quarterly publication namely, 'Paryavaran Abstracts' during the year.
- A total number of 10302 (9497 National and 805 International) queries were responded to by the ENVIS network to its users concerned

## 1.22. CENTRES OF EXCELLENCE

(Rs. in lakhs)

Name of the scheme	BE	Expdt.	Physical Target and Achievements
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CENTRES OF EXCELLENCE			Training programmes and exhibitions to commemorate the 50th Anniversary of India's Independence were organised by CEE, Ahmedabad and CPREEC, Chennai. M. Tech programmes one Environmental Science and Engineering was organised by CME, Dhanbad and 9 new R&D projects in the field of Western Ghats ecology have been taken up by CES, Bangalore. Construction of Office Building of SACON completed and Research and Development projects continued.
CEE, Ahmedabad	125.00	147.00	
CPREEC, Chennai	60.00	65.44	
CME, Dhanbad	40.00	10.00	
CES, Bangalore	60.00	60.00	
SACON	85.00	78.00	
New Centres	50.00	15.00	
<b>Total</b>	<b>420.00</b>	<b>375.44</b>	

### 1.23. NATIONAL NATURAL RESOURCES MANAGEMENT SYSTEMS (NNRMS)

(Rs. in lakhs)

Name of the scheme	BE	Physical Targets/Achievements	Expdt.
NNRMS	100.00	*	16.28

\*Physical Targets

- (a) To cover the rest thrust areas and consider new proposals.  
(b) To monitor the progress on 22 ongoing projects.

\*Physical achievements:

- (a) SC-B meeting will be held shortly.  
(b) Monitoring of 22 ongoing projects.

### 1.24. 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-1	9.00	6.40	Compl. Of remaining 11 schemes	4	Works in progress, albeit slowly.
2. GAP 11	86.00	82.30	Schemes in progress		Fund releases restricted by Cabinet Sectt. directions
a. YAP					
b. GoAP					
c. DAP					
d. GAP 11 MS					

e. GAP 11 SC					
f. CETP					
3. NRAP	14.00	10.74			Slow progress by States.
<b>TOTAL</b>	109.00	99.44			

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

#### 1.25. ASSISTANCE FOR ABATEMENT OF POLLUTION

(Rs. in lakhs)

Name of the scheme	BE	Expenditure	Targets and Achievements
<b>ASSISTANCE FOR ABATEMENT OF POLLUTION</b>	100.00	27.49	Funds released to SPCBs/PCCs. shortfall during the period was due to non-receipt of demands from various SPCBs and PCCs. The earmarked SPCBs and PCCs. The earmarked current financial year

#### 1.26. REIMBURSEMENT OF WATER CESS

(Rs. in lakhs)

Name of the scheme	BE	Expdt.	Targets and Achievements
<b>Reimbursement of Water Cess</b>	100.00	27.40	No fixed target. Expenditure is based on collection and deposit.

#### 1.27. TAJ PROTECTION MISSION

(Rs. in crores)

Name of the scheme	BE	Expdt.	Physical Targets/ Achievement	Reasons for shortfall
<b>TAJ PROTECTION MISSION</b>	50,00	0.47529	*	The schemes under the Taj Protection Mission are to be approved by the Mission Management Board and 50% matching grant are to be provided by the Government of Uttar Pradesh. The Mission Management Board started functioning only in August, 1997. Hence, the targeted expdt. could not be achieved.

\*Physical Target

Release of Central Government share for the schemes such as uninterrupted power supply in Agra, construction of Gokul and Agra Barrage, Taj Afforestation Programme, improvement of drainage systems and sanitation in Agra City and Environmental and other programmes for protection of Taj.

\*Physical Achievements

Funds have already been released partly for Taj Observatory Project in Agra and Taj Afforestation Programme. The Chief Secretary, Government of UP is in the process of sending fund requirement for the schemes referred above.

#### 1.28. CENTRE POLLUTION CONTROL BOARD

(Rs. in lakhs)

Name of the Scheme	BE	Expenditure
<b>CENTRAL POLLUTION CONTROL BOARD</b>	496.00	496.00

## Targets and Achievements

The activities proposed for 1997-98 are extension of activities taken up during 1996-97. The important on-going activities include:

- ambient air quality monitoring and replacement of high volume sampler with respirable dust sampler
- assessment of river and coastal water quality
- development and review of standards for disposal of liquid effluent and gaseous emissions
- life-cycle analysis and activities relating to ecomark
- computerization of data of water and air quality and preparation of statistical reports
- training programmes through expert institutions under the World Bank programme
- implementation of pollution control enforcement through SPCBs
- mass awareness programmes, exhibitions and publication of reports; and
- inventorization of hazardous waste generating units and environmental impact assessment of hazardous waste disposal sites

### 1.29. ENVIRONMENTAL AUDIT, CLEAN TECHNOLOGY, ENVIRONMENTAL STATISTICS AND MAPPING

(Rs. in lakhs)

Name of the activity	BE	Actual Actual	Physical Target	Physical Achievements
Environmental Audit	10.00	10.00	Training and Awareness Programmes	Training programmes in r/o Pesticides, Oil refinery, food processing and tannery are being sponsored to FICII and Tamil Nadu PCB.
Clean technologies by SSIs	10.00	10.00	Training and Awareness Programmes  Waste minimisation Demonstration Studies.	About 20 training programmes are being organized by DC, SSI.  Studies in sectors of bulk drug and chemical have been sponsored.
Environmental Statistics and Mapping	10.00	10.00	Preparation of Environmental Atlas for metro cities and other major cities.	Sponsored to CPCB.

### 1.30. CLEAN TECHNOLOGY

(Rs. in lakhs)

Name of the Activity	BE	Actual Expendt.	Physical Target	Physical Achievements	Reasons for shortfall, if any
1. Environmental Impact Assessment	449.00	117.40	Completion of 2 Carrying Capacity studies	2 Carrying Capacity studies will be completed in the current year	--
2. Development & promotion of clean technology	10.00	--	Setting up of the ICPC	--	Proposal awaiting approval.

### 1.31. 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 lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
Assistance to Botanic Gardens	52.00	53.19	Inviting proposals from existing Botanical Gardens. 1 meeting of	Out of 40 proposals received, Committee recommended 15

			expert group and evaluation of proposals for release of funds.	proposals, which have been sanctioned.
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### 1.32. RESEARCH AND ECOLOGICAL REGENERATION

(Rs. in lakhs)

Sl. No.	Name of the activity	BE	Physical Targets/ achievements	Actual Expdt.
	Research & Development	365.00	*	210.63
	Pitambar Pant Fellowship	5.00		0.72

\*Physical targets/achievements

Research & Development/Pitambar Pant Fellowship:

i) More than 183 projects continued to progress under the Environmental Research Programme, Man and Biosphere Programme and Action-Oriented Research Programme for Eastern and Western Ghats. Upto December 1997, 24 new projects have been sanctioned against the target of 30. Five more new projects are expected to be initiated by March, 1998. 134 ongoing projects were reviewed during 1997-98 through expert Committees in all three programmes. One meeting each of all the three Committees will be held to review remaining projects and to consider new proposals for funding. The Expert Core Group constituted for approval of hazard analysis reports considered 16 reports in its 4th Meeting. So far, the Core Group has reviewed 31 reports. Off site plans for Salem has been received and the following are under preparation: Vapi, Ankleshwar, Alwar, Lote-Parshuram, Delhi and Manali.

ii) The B.P. Pal National Fellowship Award for Biodiversity for the year 1997 was awarded to Shri S. John Joseph from M. S. Swaminathan Research Foundation, Madras.

iii) Pitamber Pant National Fellowship Award for 1997 was given to Dr. (Mrs.) Archana Sharma, Department of Botany, University of Calcutta, Calcutta. An expenditure of Rs. 0.72 lakhs has so far been incurred out of the allocation of Rs. 5 lakhs.

### 1.33. G.B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT & DEVELOPMENT

(Rs. in lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
GB Pant Institute of Himalayan Environment & Development.	478.00	525.00	36 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 Completed upto 75% and Sikkim unit work of construction started.	Sikkim unit's construction work was delayed due to non-availability of approach road.

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

(Rs. in lakhs)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
Integrated Action Oriented Eco-development	40	40	Release of funds to 28 projects. Monitoring of on-going 12 going	Grants released to on-going projects and follow up action initiated on old / new projects.

		projects. Follow up action on 45 completed new projects.	
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### 1.35. HAZARDOUS SUBSTANCES MANAGEMENT

(Rs. in crores)

Name of the scheme	BE	Target/achievements	Expdt.
HSM	13.30	*	2.86

#### Targets and Achievements

The Red Book for Crisis Management was updated. The Red Book was revised keeping in view the Chemicals Accidents (Emergency Planning, Preparedness and Response) Rules gazetted in 1996 dealing with setting up of 4 tier Crisis Management System in the country.

8 new industrial pockets have been identified for conduct of industrial pocketwise hazard analysis.

The Expert Core Group constituted for approval of hazard analysis reports considered 16 reports in its 4<sup>th</sup> Meeting. So far, the core Group has reviewed 31 reports. Off site plans for Salem has been received and the following are under preparation: Vapi, Ankleshwar, Alwar, Lote-Parshuram, Delhi and Manali.

The first meeting of the Central Crisis Management Group was held and the Chief Secretaries of States have been reminded to constitute State, District and Local level crisis groups.

Notification banning imports of cyanide wastes, arsenic and mercury containing wastes has been -gazetted on 26th December 1996. A draft notification banning imports of wastes containing the following as constituents or the wastes bearing the following as contaminants like

Beryllium, Selenium, Chromium (Hexavalent), Thallium, pesticides, herbicides and insecticides and their intermediates/ residues thereof including outdated pesticides was issued on 16th January 1996 and on 15th April 1997 final notification confirming ban of the above wastes for imports was issued.

Notification banning open burning of waste oil was confirmed on 15th April 1997.

The high level Committee constituted under the chairmanship of Dr. R.A. Mashelkar, DG, CSIR for characterisation and identification of hazardous wastes held many meetings and finalised import ban for hazardous wastes.

Draft on an amendment to the Hazardous Wastes (Management and Handling) Rules, 1989 have been finalised.

Six institutions have been funded for conduct of training courses on chemical accident prevention.

A Japanese Grant of US \$ 910,000 and Dutch grant of US \$ 150,000 have been received for conduct of feasibility studies for formulation of a World Bank Project on Industrial Safety, Disaster Prevention and Hazardous Waste Management. Six feasibility studies have been awarded in May 1997 and the reports are expected by December 1997.

Amendments to the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 have been finalised and have been communicated to the Law Ministry for vetting. The scope of the regulation has now been expanded by harmonising criteria for classification of hazardous chemicals.

A note for the Committee of Secretaries for institution of the Emergency Relief Fund scheme under the General Insurance Corporation has been drafted.

The National Plastic Waste Management Task Force has submitted its report in August 1997. As per its recommendation constituted Implementation Monitoring Committee (IMC) to oversee the follow-up of the recommendations of the Task Force has been constituted.

The pilot plant for using mass scale fly ash as mine fill was sanctioned to CMRI, Dhanbad. The ash filling in the mine has been started from November, 1996. The Institute is developing methodology for drainage of water from underground ash pack.

The Central Road Research Institute in collaboration with MCD is constructing a test section at Garhi Randhala - Ladpur Road by using processed Municipal Waste. An Interim report has been submitted by the Institute.

A Project for setting up of Pilot Plant and Development Facility for Manufacturing R. wood Products from Industrial Wastes (Fly Ash and Red Mud) by Regional Research Laboratory, Bhopal.

In pursuance of the orders of Hon'ble Supreme Court, a High Powered Committee on Hazardous Wastes has been constituted under the chairmanship of Prof M.G.K. Menon, Former Union Minister, Science and Technology to oversee the strict implementation of relevant rules and regulations on management of hazardous wastes.

Reasons for shortfall: WB project on setting up of Treatment, Storage and Disposal Facilities was delayed.

Two meetings of GEAC were held to discuss proposals based on recombinant technology.

### 1.36. 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 lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
Conservation and Management of Mangroves and Coral Reefs.	140.00	137.77	MAPs for 6 mangroves and 2 coral reefs.	MAPs for 5 mangroves and 1 coral reef.

### 1.37. BIOSPHERE RESERVE

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

(Rs. In lakhs)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
Biosphere Reserve.	262.00	255.43	Convening of meeting of National Committee for approval of MAP in respect of 9 Biosphere Reserves. Evaluation of 32 on-going research projects and release of grant to on-going projects and sanction of 4 new research projects.	Meeting of National Committee and Research Advisory Committee organised and MAP for 9 BRs approved and grants released. 32 on-going research projects reviewed and 12 projects sanctioned.	1 new BR was not set up due to non-clearance by State in time.

### 1.38. INTERNATIONAL COOPERATION

(Rs. in lakhs)

Name of the scheme	BE	Target/achievements	Expdt.
<b>INTERNATIONAL COOPERATION</b>	4400	*	2610

\*Achievements

- (a) India hosted the SAARC Environment Ministers Meeting from 2-3 April, 1997 in New Delhi. India also attended the SAARC Environment Ministers Meeting held at Male in October 1997.
- (b) Officials from MoEF participated in the 5th Session of the Commission on Sustainable Development held in New York from 7-25 April, 1997.
- (c) Global Environment Facility (GEF): Seven new projects for GEF funding have been approved for India. Several new projects are under advance consideration for possible GEF assistance. India has also participated in the 9th and 10th GEF Council Meetings held in Washington during April 30-May 1 and November, 1997.
- (d) UN General Assembly Special Session: Minister for Environment & Forests led the Indian delegation to the United Nations General Assembly's Special Session held in June 1997 in New York. The objective of the Special Session was to review and appraise implementation of the Agenda 21 adopted by the UN Conference on Environment & Development (UNCED) in Rio de Janeiro in June, 1992.
- (e) United Nations Environment Programme (UNEP): India participated in the High Level Committee of Ministers and Officers Meeting of UNEP in New York in June, 1997.
- (f) ESCAP: India participated in the various meetings organised by ESCAP relating to Environment.
- (g) Minister for Environment & Forests led a delegation to Austria in July, 1997 to discuss bilateral matters in the field of environment and also the first working group meeting on Environment was held during this period under the aegis the MoU signed between India and **Austria** in the field of environment.
- (h) India: Environment Management Capacity Building Project: Cabinet has approved the implementation of this Project with a total outlay of US \$61.48 million with IDA Credit of US 50 million. Implementation activity has commenced during the year.
- (i) Delhi-Surat World Bank Assisted Urban Environment Management Project: The Japanese Government has undertaken to provide an outright grant of 109,200,000 Yen for carrying out a study in respect of the two cities for preparing an action plan for re-engineering the institutional structures governing Urban Environment Management and identifying cost effective technology options to improve the environment. The TORs initially formulated are currently under revision and are expected to be finalised shortly.
- (j) India-Canada Environment Facility (ICEF): India-Canada Environment Facility was set up on the basis of Memorandum of understanding signed between the Government of India and Canada. So far ICEF has approved eight projects for funding.
- (k) Ministry of Environment and Forests has signed the Programme Support Document under the Country Cooperation Framework-I with the UNDP which provides a comprehensive focus on UNDP assistance to project areas identified in the document. The Framework would be valid up to the year 2001.
- (l) International Trainings /Seminar/ Workshops: Officials from the Ministry of Environment and Forests, State Environment and Forests Department, Central and State Pollution Control Boards, NGOs and autonomous bodies/institutions of Central and State Governments were nominated for the inter-national Trainings/Seminars/ Workshops, etc.