

CHAPTER II C.1

REVIEW OF OVERALL PERFORMANCE DURING 1998-99

FORESTRY AND WILDLIFE

59 .INDIRA GANDHI NATIONAL FOREST ACADEMY (IGNFA):

(Rs. in Crores)

Name of The Activity	BE	Actual Expdt.	Physical Targets	Physical achievements
Indira Gandhi National Forest Academy	1.37	1.70	Training of IFS Probationers.	<p>During this period 55 IFS probationers of 1997-2000 course underwent professional phase of training.</p> <p>31 IFS probationers of 1998-2001 course underwent induction phase of training.</p> <p>The on-the-job training of 39 IFS Probationers of 96-97 course posted in different States and UTs, was continued.</p> <p>The library facilities were improved to meet the needs of training.</p> <p>The infra-structural facilities at the Academy like communication network, computers etc. were upgraded.</p> <p>Amenities in the Probationer's Hostels improved.</p> <p>Class Rooms facilities upgraded by adding modern training aids.</p>

60. STATE FOREST SERVICE AND RANGERS TRAINING COLLEGES

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt	Physical Targets	Physical Achievements.	Reasons for Shortfall, if any.
State Forest Service and Rangers Training Colleges.	0.84	0.69			
a) Training of SFS officers in 3 SFS Colleges, one each at Dehradun, Coimbatore and Burnihat.			6 courses	3 courses	Due to inadequate demand from States.
b) Training of Forest Rangers in EFRC, Kurseong.			2 courses	--	-do-
c) Refresher Courses for in-service SFS officers with 35 participants each.			7 courses	7 courses	-do-
d) Courses on Computer application in Forestry for in-service forest officers with 35 participants each.			6 courses	6 courses	-do-
e) Other Forestry related courses.			3 courses	3 courses	-

61. INDIAN INSTITUTE OF FOREST MANAGEMENT

Name of Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
Indian Institute of Forest Management	2.60	2.64		
a) Management Development / course and Seminars			14 courses	15 courses
b) Post Graduate Diploma in Forest Management / MRM			1+1 batch	96-98 batch : 28 students 97-98 batch : 99 students
c) Ph.D/Research Studies / Consultancies				Research Projects / Case studies completed : 14 Ongoing Research Projects / Case studies : 21

62. INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE (IPIRTI), BANGALORE

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
IPIRTI	.66	.66	*	*

* 17 research projects were in progress and 3 projects have been completed and reports released.

FORESTRY RESEARCH

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

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
Indian Council of Forestry Research & Education.			Undertaking Forestry Research and Education by the ICFRE through 8 institutes and 3, Satellite Centres spread all over the Country	**
1) Research Plan				
a) General Component.	30.00	46.17		
b) Externally Aided Component	34.21	23.39		
2) Education and Training	1.80	1.80		
Total	66.01	71.36		

ICFRF(HQ)

The methodology, developed for setting research priorities. implemented in 27 States and Andaman & Nicobar: Formulation of States forestry research plans; identification of research projects of eight ICFRE Institutes (including three Centres). Consultancy for development of HRD Plan for ICFRE granted. Local Training - 5 courses in "Research Methodology with emphasis on statistics" for 100 scientists. Publication of Forestry statistics 96.

ICFRE Institutes and Centres

i) Forest Research Institute, Dehradun - tentic improvement of Pinus roxburgii, Evaluation of natural resistance in 300 different clones/hybrids of Populus deltoides against important defoliators: Identification of high gum yielding clones of Acacia nilotica; Regeneration, mortality and species diversity in Sal forests of UP.

ii) Institute of Forest Genetics & Tree Breeding, Coimbatore - Studies on establishment of progeny trials of Eucalyptus arid Casurina: Maintenance of International provenance trial of Azadirachta and Pongamia etc: Seed life of Casurina.

iii) Institute of Wood Science & Technology, Bangalore - Survey, identification and establishment of Seed production Area of Teak, Casurina, Eucalyptus camaldulensis and E. tereticornis. CSO of Teak and SSO of Teak and Sandal: Establishment of modern nursery. Protection of wood from weathering, Chemical modification of wood.

iv) Tropical Forest Research Institute, Jabalpur - Maintenance operation of all CSOs. SSPAs and multiplication gardens; Trials for evaluating field performance of MPT plantations; Comparative study of agro-forestry species viz. Sissoo, Neem and Pongamia pinnata for allopathic activity on germination, growth, nodulation and bio-chemical changes on soyabean leaves; Vegetative propagation of Tendu through young shoots.

v) Arid Forest Research Institute, Jodhpur - Establishment of seed production areas, vegetative multiplication gardens and clonal seed orchards. Development of bio-pesticides for management of forest insect pests of arid and semi arid regions.

vi) Institute of Rain & Moist Deciduous Forest Research, Jorhat - Studies on seed production areas, Collection of seeds, Selection of plus trees, Germination and viability tests; Creation of seed bank.

vii) Himalayan Forest Research Institute, Shimla - Survey of cold desert areas in Nubra valley of Leh and Laddakh and selection of suitable species for afforestation.

viii) Institute of Forest Productivity, Ranchi - Establishment and maintenance of seed orchards, SPA. SSO in West Bengal and Bihar, Studies on bio-fertiliser response on forestry species oil degraded arid stress sites-. Maintenance of Lac farm and collection and dissemination of market data.

ix) Institute of Social Forestry and Eco-Rehabilitation, Allahabad - Development of 70 ha SPA. 23,5 ha SSPA, 3 ha CSO: Data pertaining to socio-economic survey and ecological survey of three degraded sites viz. Pawari. Kaju and Shankargarh examined and analysed.

x) Institute of Forestry Human Resource Development, Chhindwara - Human resource development programmes for developing skilled manpower in forestry sector, Collection of medicinal plant/species.

xi) Forest Research Centre, Hyderabad - Collection and raising of seedling of important forestry species viz. Acacia, Albizia, bamboo, Dalbergia, Tamarind etc.

64. FOREST SURVEY OF INDIA (FSI), DEHRADUN

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
FS1	7.44	7.39		
a) Forest Inventory (in sq. knis)			25,000	68,001
b) Data processing (in sq. knis.)			25,000	41,451
c) Thematic Mapping (1:50,000 Scale)			260 map sheets	263 map sheets
d) Vegetation Mapping (1:2,50,000)			182 map sheets	182 map sheets
c) Training (number of persons)			90	110
Special Study			4	4

65. FOREST CONSERVATION

(Rs. in Crores)

Name of the Activity	BE	Actual expenditure	Physical Targets (cases)	Achievements (cases)
Strengthening of Forest Divisions.	3.25	3.80		
a) Monitoring of Forest Conservation Project/cases.			950	925
b) Monitoring of Environmental Projects /cases			400	513

66. ASSOCIATION OF SCHEDULED TRIBES AND RURAL POOR IN REGENERATION OF DEGRADED FORESTS.

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements.
Association of Scheduled Tribes and Rural Poor in Regeneration of Degraded Forests.	2.10	1.83	Rehabilitation of 3437 ha. of degraded forest land in 1-3 States	Preparatory work for rehabilitation of degraded Forests has been done in 13 States with total release of central assistance of Rs. 1.83 crores.

67. NATIONAL FORESTRY ACTION PLAN

(Rs. in crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
National Forestry Action Plan (NFAP)	0.10	0.04	Holding of meetings with State Nodal Officers for finalisation of NFAP, review of Indian Forest Act, 1927, formulation of separate Forest Policy for the North Eastern States.	Discussions held with the State Nodal Officers for finalisation of NFAP, North East Forest Policy Committee visited N-E States for formulating separate Forest Policy. The Review Committee had met and finalised the draft IFA, 1927 (Amendment) proposal.

68. MODERN FOREST FIRE CONTROL METHODS IN INDIA

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets	Physical Achievements
Centrally Sponsored Scheme for introduction of Modern Forest Fire Control Methods in India	2.70	3.05	11 States to be assisted	Fully achieved
Central Sector	0.40			

WILDLIFE**69. CENTRAL ZCO AUTHORITY (CZA)**

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets/ Physical achievements

CZA	5.00	5.33	<p>1. National Zoo Policy finalised and notified.</p> <p>2. Pattern of financial assistance for house-keeping and health care, upgraded from existing 50:50 basis to 100%.</p> <p>3. Second round of evaluation of medium and small zoos conducted.</p> <p>4. A scheme for setting up of a Centre for Endangered Species by the CCMB, Hyderabad has been approved with the financial assistance from CZA and DBT. CZA's commitment for this centre is for Rs. 200.00 lakhs, First instalment of Rs. 40.00 lakhs has been released in 1998-99.</p> <p>5. Annual training courses for Zoo Directors/keepers organised with WII. Two Zoo Managers were sent abroad for training.</p>
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70. NATIONAL ZOOLOGICAL PARK (NZP)

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets	Physical Achievements.
National Zoological Park	1.15	0.80	Improvement of Chimpanzee Chikara Zebra, Black Swan enclosures, etc.	Targets achieved.

71. WILDLIFE INSTITUTE OF INDIA (WH)

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets (No. of persons)	Physical Achievements (No. of persons)
WII	3.65	3.65		
a) M.Sc. course in Wildlife Science			12	9
b) PG Dip. Course in Wildlife Management			30	20
c) Certificate course in Wildlife Management			30	17
d) Field Workshops / short Courses			213	213

72. STRENGTHENING OF WILDLIFE DIVISION AND CONSULTANCIES FOR SPECIAL TASKS:

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets	Physical Achievements
Strengthening of Wildlife Division.	1.02	0.74	To provide funds for establishment office expenses and travel for Regional Offices, Central Wildlife Division and Consultancies for Special Tasks.	Achieved.

73. ANIMAL WELFARE BOARD OF INDIA (AWBI)

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets / Achievements
AWBI	1.60	2.25	*

*a) Rs 35.56 lakhs was released to various Animal Welfare organisations for construction of Animal Shelters/sheds/rescue homes, etc.

b) Rs 34.32 lakhs was released for Anti Rabies/Animal Birth Control Programme.

c) Rs. 47.20 lakhs was released for purchase of medical equipment, medicines, etc.

d) Rs. 39.53 lakhs was released for propagation of Human Education Programme.

74. NATIONAL PARKS AND SANCTUARIES

(Rs. in crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets	Physical Achievements
Development of National Parks & Sanctuaries.	12.00	9.34	To provide assistance for 250 National Parks & Sanctuaries.	Assistance was provided to State Governments / UTs for 215 National Parks & Sanctuaries.

75. PROJECT TIGER (PT)

(Rs. in Crores)

Name of the Activity	B.E.	Actual expdt.	Physical Targets	Physical Achievements.
Project Tiger Conservation and Protection	16.60	16.61	To assist 23 Tiger Reserves for habitat Improvement, Water development work, construction of staff quarters / buildings, construction of roads, wireless network, etc. Issue of notification for setting up of two new Tiger Reserves viz. Bhadra in Karnataka and Pench in Maharashtra.	Financial assistance was given to 25 Tiger Reserves during the year for various activities as per targets. The physical achievements during the year were as follows: a) Habitat Movement - 5165 Ha. b) New Fire lines - 90 Knis. c) Water Devl. Works - 50 wells, hand pumps, Anicuts and ponds, etc. d) Construction of Buildings - 84 Nos in all categories. e) Construction of roads - 40 Kms. f) Replacement of vehicles - 42 umbers. g) Two new Tiger Reserves viz. Bhadra in Karnataka and Pench (Maharashtra) were set up.

76. ECO-DEVELOPMENT IN AND AROUND PROTECTED AREAS

(Rs. in Crores)

Name of the Activity	B.E.	Actual Release	Physical Targets	Physical Achievement	Reasons for shortfall, if any.
Eco-development around Protected Areas	8.00	6.34	80 National Parks and Sanctuaries and 23 Project Tiger areas to be assisted.	62 National Parks and Sanctuaries and 18 Project Tiger areas were provided financial assistance for Bio man generation. Non-conventional energy sources and welfare activities for the villagers.	Less number of proposals from the State Govts. received.
India: Eco-Development Project (World Bank Externally Aided).	58.83	20.89	Release of funds to seven project States for improved protected area management. Village Eco-development environmental education and impact monitoring and research.	Assistance was provided to seven project States.	Less demand of funds from States as the project started late after the CCEA approval Oil 14.10.97.

77. BENEFICIARY ORIENTED SCHEME FOR TRIBAL DEVELOPMENT

(Rs. in Crores)

Name of the Activity	B.E.	Actual Release	Physical Targets	Physical Achievements
Beneficiary Oriented Scheme for Tribal Development	3.50	3.50	Relocation of 350 tribal families in Kuno Palptr Wildlife Sanctuary in Madhya Pradesh.	Financial Assistance of Rs. 3.50 crore was released to the Govt. of M.P. for relocation of the tribal families.

78. PROJECT ELEPHANT

(Rs. in Crores)

Name of Activity	B.E.	Actual Release	Physical Targets	Physical Achievement	Reasons for shortfall, if any
Conservation and Protection of elephant	4.50	5.47	To assist 12 States for Conservation of Elephants, Habitat Development etc. of elephants.	Assisted 10 States for conservation of elephants.	--

79. NATIONAL AFFORESTATION & ECO-DEVELOPMENT

(Rs.in Crores)

S. No.	Name of Scheme	BE	Actual Expdt.	Physical targets	Physical Achievement
1.	Integrated Afforestation and Eco-Development Projects Scheme	33.00	28.87	45874 ha.	27359 ha.
2.	Fuelwood/Fodder Projects Scheme	40.00	27.00	64114 ha.	44224 ha.
3.	Non-timber Forests Produce (including Medicinal Plants) scheme	11.00	10.00	14000 ha.	9.000 ha.
4.	Grants-in-aid scheme (for voluntary, agencies)	1.55	1.31	2000 Ha	73 Projects sanctioned
5.	Seed Development Scheme	1.80	1.30	25 States to be assisted	18 states assisted

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

Cut in overall expenditure of the NAEB advised by PC Division. Revised estimates of these schemes had to be reduced to keep the overall expenditure with in Rs. 71.80 crores. AOFFP scheme is a 50:50 State and Central[%], sponsored scheme. Confirmation regarding availability of matching share for this 50:50 scheme was not received from several States.

ECOLOGY AND ENVIRONMENT

80. BOTANICAL SURVEY OF INDIA (BSI), CALCUTTA

(Rs. in Crores)

Name of the Activity	B.E.	Actual Expdt.	Physical Targets/ Achievements
BOTANICAL SURVEY OF INDIA	4.00	3.38	*

* Physical Targets/Achievements during the year were as under:

	Targets	Achievements
a) Exploration Surveys	60 tours	60 tours
b) Collection of Specimens	14000 Nos	13553 Nos
c) Coverage of species under threat in the publication of Red-data Book	250 species	20 species.
d) Publications.	5	5
e) Preservation of specimens	12000 Nos.	7000 Nos.

81. ZOOLOGICAL SURVEY OF INDIA (ZSI), CALCUTTA

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
ZS1	2.95	2.71	Exploration and survey - 66	52 surveys

		Status survey of Endangered Species - 2	I survey
		Taxonomic Studies - 8 studies	Fauna of Sikkim - wider publication Fauna of Manipur - Data being analysed. Fauna of Ujni Wetland - Under publication. Fauna of Mizoram - Data being analysed. Fauna of Nagaland - Data being analysed. Fauna of Samber Lake (Rajasthan) - Volume under publication. Fauna of Desert NP (Raj.) - Data being analysed. Faunal Biodiversity of Gulf of Mannar Bio-Reserves - Under publication.
		Publications - 5	Fauna of India (Coleoptera, Reptlia, Insecta) - Published. Records of India - Vol. 96 published and Vol. 97 under printing. Annual Reports of ZSI 94-95, 95-96 - Under printing Bibliography of Indian Zoology~ - - Vol. 3 1-3 2 - Work in progress. State Fauna of Meghalaya parts VVUI - Under printing.
		Renovation of Regional Museum, Calcutta.	Work in progress
		ENVIS on Annual Ecology	Data collection work in progress

82. ENVIRONMENTAL EDUCATION, AWARENESS & TRAINING

(Rs. in Crores)

Name of the Scheme	BE	Actual Expdt.	Physical Targets	Physical Achievements, shortfall, if any
1. Environment Education & Training	3.50	3.60		
i) National Environment Awareness Campaign (NEAC)			Different activities under the campaign to be completed	The campaign was completed in time.
ii) Establishment of Eco-clubs *			1000	1655
2. Seminar/Symposia/ Workshops	0.30	0.29	65	70

* No separate allocation was made for these programmes.

83. ENVIRONMENTAL POLICY & LAW

(Rs. in Crores)

Name of the scheme	B.E.	Act. Expdt.	Physical Target	Physical Achievements
1. Environment Policy & Law Activities.	0.15	0.1392		
a) Comprehensive National Environment Policy			- Publication of notification. - Holding of Seminar. -Amendment to Water Cess Act.	- The State of Environment Report released on 5.6.1999.
b) Eco-mark scheme			- Development of criteria. - Publicity to Eco-mark. -Assistance to Comparative Testing programme.	Project sanctioned to Indian Institute of Materials Management.
c) Trade & Environment			- Organisation of Seminars. -To prepare position paper.	
d) Environment Policy & Legislation			- Publication of notification - Holding of Seminar Amendment to Water Cess Act.	3 notification published

2. National Environment Tribunal	0.50		- Setting up of Benches of the Tribunal	Act could not be put into operation
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84. WORLD BANK AIDED INDUSTRIAL POLLUTION CONTROL PROJECTS

(Rs. in Crores)

Name of the activity	B.E.	Actual Expdt.	Physical Targets	Physical Achievements
World Bank Aided Industrial Pollution Control Projects a)Industrial Pollution Control Project (Phase-I) i) Promotion of CETPs RE Rs. 14.00 crores ii) Pollution Control Project - RE Rs. 20 crores	34.0	34.00	Procurement of Equipments for four SPCBs, viz., UP, TN, Gujarat and Maharashtra. Construction of labs for four SPCBs. Training for SPCB Personnel. Construction of CETPs. Award of projects under the TA component.	All the identified equipments have been procured under the project. Laboratories have been constructed at UP, TN & Maharashtra SPCBs. Training has been imparted to PCB personnel in the various subjects of Environment Management. 83 CETPs have been constructed so far 21 small projects were sanctioned under which feasibility studies were conducted.
b)Industrial Pollution Prevention Project.			Procurement of Equipments. Seeking proposal for facilities from four SPCBs. Seeking proposal for Personnel training from SPCBs. Procurement of software for GIS by Gujarat PCB. Up-gradation of training package under the Waste Minimisation Circle. 4 training programmes for facilitators to be organised. 40 Circles to be established. 4 newsletter to be issued	10 packages have been made. Tenders for 2 packages called and one opened. Proposal for tab facilities obtained from Karnataka and MP PCBs. Proposal for training of personnel of SPCBs has been called. Tenders for software procurement under GIS project finalized and GPCB has sent to World Bank for approval. Implemented WMC project. 3 training programmes conducted. 29 circles estd. 2 newsletters issued.

85. 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. 2. Development and Promotion of Cleaner Technologies	5.5	1.174	Two carrying capacity Studies to be completed. Setting up ICPC.	Studies under completion	Approval for ICPC awaited.

86. ENVIRONMENTAL AUDIT, CLEAN TECHNOLOGY, STATISTICS AND MAPPING

ENVIRONMENTAL

(Rs. in Crores)

Name of the activity	BE	Actual Expdt.	Physical Target /Physical achievements
Environmental Audit	0.10	0.10	<u>Targets:</u> Preparation of sector specific audit manuals, training and awareness programmes. <u>Achievements:</u> Environmental Audit Training Programmes in the sectors of pulp and paper (3 Nos.) and cement industry were organised. A publication on Environment Audit has been brought out

Environmental Statistics and Mapping	0.10	0.10	<u>Targets:</u> - Preparation of environment atlas for metro cities. - Project integrated coastal Environment Management plan in the region between Visakhapatnam & Kakinada. <u>Achievements:</u> - Prepared. - Progressing well
Adoption of Clean Technologies in Small Scale Industries	0.10	0.10	<u>Targets:</u> Training and awareness programme. WM demonstration studies, sector specific manuals. <u>Achievements:</u> 22 Training programmes conducted, waste minimisation demonstration studies in bulk drug and chemical industry sponsored, sector specific manual in textile processing units, edible oil industry prepared.

87. ENVIRONMENTAL IMPACT ASSESSMENT

(Rs. in Crores)

Name of the Scheme	B.E.	Actual Expdt.	Physical Target	Physical Achievements	Reasons for shortfall, if any
Environment Impact Assessment (including Clean Technologies & various Authorities)	1.60	1.55	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 achievements.		--

88. NATIONAL MUSEUM OF NATURAL HISTORY (NMNH), NEW DELHI.

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets/Achievements	Reasons for shortfall, if any
NMNH	2.50	1.67	*	The achievements N% are partial at the Regional Museums due to non-creation of posts and lack of staff strength.

* Collection of specimens for RMNHs and NNINH was partially achieved.
Second phase of construction of building of RMNH, Bhopal is in progress.
First phase of building of RMNH, Bhubaneswar is ready for possession.
Training of staff in computer operation for Bio-Science Computer facility has been achieved.
300 teachers trained at NN4NH and 150 teachers at RININH, Mysore for non-formal teaching programmes in nature and environment.
A large number of educational programmes, outreach activities were conducted for school children, college students, teachers family groups, handicapped children and rural public. Approximately, 1699 children/students of various age groups participated in these activities.
Planning of second gallery at RMNH in Bhopal was partially achieved.
For the second gallery at RMNH, Mysore-exhibits are being developed.
A number of temporary Exhibitions on current topics of Natural & Environment were organised.

89. 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 Sanction Progress awaited (No. of works)	
Forestry & Wild Life	3.25	2.70	28	12	9	3
Ecology & Wild Life	6.15	7.36	51	28	19	9
Environment Education/Training/Extenuation	2.50	1.07	4	2	2	-
Civil Works	1.40	1.55	-	-	-	-
Grand Total	13.30	12.68	83	42	30	12

90. ENVIRONMENTAL INFORMATION SYSTEM(ENVIS)

(Rs. in Crores)

Name of the scheme	BE Plan	BE Plan	Actual Expdt.	Actual Expdt.	Target/
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	Plan	Non Plan	Plan	Non Plan	Achievement
ENVIS	1.50	0.28	1.79	0.28	*

❖ Physical targets and achievements

- A new ENVIS centre on 'Communication and Electronic Media' was set up.
- Hardware and other facilities were provided to various ENVIS in order to set up the E-Mail address for electronic communication among the centres and the Focal Point.
- Home-page of the Ministry as well as ENVIS have been created in the Internet Website
- Annual Report (1998-99) and monthly newsletter 'ENVIOR NEWS', of the Ministry were published.
- A total number of 10, 102 queries were responded to by ENVIS Focal Point to its concerned users.

91. CENTRES OF EXCELLENCE

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Physical Target and Achievements
CENTRES OF EXCELLENCE	4.20	3.75	Training programmes and exhibitions to commemorate the 50 th Anniversary of India's Independence were organised by CEE, Ahmedabad and CPREEC, Chennai. M. Tech programmes in 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 have been taken up. A chair of Taxonomy and Aquatic Conservation were established in the TBGRI, Thiruvananthapuram. The Centre for Environmental management of Degraded Ecosystem, Delhi, is finalising recruitment of staff in the Centre.

92. NATIONAL NATURAL RESOURCES OF MANAGEMENT SVSTEMS (NNRMS)

(Rs. Crores)

Name of the scheme	BE	Actual Expdt.	Physical Target and Achievements
NNRMS	1.00	0.98	A few new thrust areas have been covered 13 projects were sanctioned under the scheme. Beside, monitoring of the ongoing projects was also taken up during the year. The Bio-resource Committee meeting was also held to recommend the new projects during 1998-99.

93. PARYAVARAN VAHINI:

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Target and achievements
Paryavaran Vahini	.50	.32	A few new districts already identified were taken up for setting up the Vahinis.

Reasons for short-fall:

As per the decision of the Ministry, the scheme is likely to be transferred to the various States without any financial commitment of the Ministry. The Planning Commission has already been communicated in this regard. Decision of the Planning Commission is yet to be received by the Ministry.

94. GRANTS-IN-AID TO PROFESSIONAL SOCIETIES:

(Rs. in Crores)

Name of the Scheme	BE	Actual Expdt.	Target and achievements
Grants-in-aid to Professional Societies	0.10	0.07	About five Professional institutions were supported and financial assistance provided under the scheme.

Reasons for short-fall:

No worth supporting proposals were received during the year.

95. NATIONAL RIVER CONSERVATION DIRECTORATE

(Rs. in Crores)

Name of activity	BE	Actual Expend.	Physical Target (Schemes)	Physical Achievement (Schemes)	Reasons for shortfall, if any
1. GANGA ACTION PLAN - PHASE-I	8.73	2.50	7	2	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. GANGA ACTION PLAN PHASE II	165.00	87.61	62	28	
3. NRCP (including establish-ment)	17.97	17.65	46	25	

- 2 more schemes under Ganga Action Plan Phase-I were completed during this period. A total capacity of 788 mld of sewage was created for treatment.
- A further sum of Rs.77.01 crore was released under Yamuna Action Plan during this year 21 more schemes valued at Rs. 138.4i crore were sanctioned during this period and 20 more schemes were completed.
- 2 more schemes were sanctioned under Gomati Action Plan and 8 schemes were completed.
- A further sum of Rs. 10. 50 crore was released during this period under Ganga Action Plan Phase-11 and 39 more schemes were sanctioned.

National River Conservation Plan:

A further sum of Rs. 17.65 crore (including establishment) were sanctioned during this period. 61 more DPRs valued at Rs.52.76 crore were sanctioned during this period and 25 schemes were completed.

96.WETLAND CONSERVATION PROGRAMME

(Rs. in crores)

Name of Activity	BE	Actual Expenditure	Physical Targets	Achievements	Reasons for shortfall, if any
Programme Wetland Conservation	1.56	1.46	*	Target achieved except small shortfall in financial release	There is shortfall of approx. 10 lakhs. This was due to a policy decision taken to finance research only in identified wetland areas. Because of this decision, assistance kept for three research projects which did not fall in the preview could not be released.

❖ Physical Targets:

- Release of financial assistance for the MAPs of 20 identified wetlands for carrying out tile activities like data collection, wetland mapping, control of encroachment, hydrology, eutrophication abatement, aquatic weed control, fisheries development, wildlife conservation and environmental awareness.
- Convening the meetings of Research Sub-committee and National Committee.
- Sanctioning of new research projects.
- Identification of new wetlands of national importance.
- Evaluation of progress of ongoing projects.
- Monitoring of progress of MAPs.

97. ASSISTANCE FOR ABATEMENT OF POLLUTION

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Physical Target and Achievements
Assistance for Abatement of Pollution	1.00	1.00	Nil

98. REIMBURSEMENT OF WATER CESS

(Rs. in crores)

Name of the scheme	BE	Actual Expdt.	Reasons for shortfall, if any
Reimbursement of Water Cess (Non-Plan)	55.80	40.58	Shortfall is due to less collection and deposit of Water Cess by the SPCBS and UT PCCs during that period.

99. TAJ PROTECTION MISSION

(Rs. in Crores)

Taj Protection Mission	BE	Actual Expdt.	Physical Target	Physical Achievements	Reasons for shortfall, if any
Taj Protection Mission	50.00	32.00	Improvement of Environment in and around the Taj Mahal	Ten schemes are operating under this project	Pending necessary papers from the UP Govt. and CCEA approval the complete fund could not be released

100. CENTRAL POLLUTION CONTROL BOARD

(Rs in Crores)

Name of the scheme	BE	Actual Expdt.	Physical Target and Achievements
CENTRAL POLLUTION CONTROLBOARD	8 00	8.02	This is a continuing scheme. The programme of pollution assessment survey and monitoring continued as Planned, Laboratory Facilities were strengthened. Capabilities for analysing specific parameters developed. AQC exercise regularly held. R&D programmes taken up, development of standards and eco-mark taken up for specified categories of industries, regular training programmes held, implementation of action plan for problem areas, pollution control on highly polluting industries. Review of standards and development of guidelines continuation of programme of inventorisation of Hazardous waste.

101. ASSISTANCE TO BOTANIC GARDENS

(Rs. in Crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets	Physical Achievements
Assistance to Botanical Gardens.	0.52	0.70	Providing financial assistance to 10 botanical gardens for infrastructural improvement	15 botanical gardens were provided financial support.

102. RESEARCH AND ECOLOGICAL REGENERATION(R&D)

Name of the scheme	BE	Actual Expdt.
Research & Development	4.00	3.02

Physical Targets:

Initiation of new projects: 27. Servicing of ongoing projects: 110. Review & monitoring of ongoing projects: 110.

Physical Achievements:

Initiation of new projects: 45. Servicing of ongoing projects: 110. Review & monitoring of ongoing projects: 110. Review & monitoring of ongoing projects: 110.

Reasons for shortfall, if any: Shortfall in expenditure is on account of non-availability of suitable research projects for funding.

During the year, against a target of 27 new projects, 45 new projects were initiated under the various schemes. The meetings of the Advisory Committees and the Review and Monitoring Committees were held as per the targets. An expenditure of Rs. 3.02 crores was incurred. The B.P. Pal National Environment Fellowship Award for Bio-diversity for the year 1998 was awarded to Dr. Shashi Kant. Department of Bio-sciences, 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, Bhabha Atomic Research Centre, Mumbai.

103. G.B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT AND DEVELOPMENT

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical achievements.
G.B. Pant Institute of Himalayan Environment & Development	4.50	4.57		
R&D and other Expenditure			1. Strengthening of six on-going R&D programmes and initiation of a new major core programme	1. Six identified R&D programmes continued without much strengthening, at HQs and through four units. Documents for support of new programme submitted.
Construction			2. Completion of unfinished construction works at Katarmal (Phase-I), Kullu and Panthang (Sikkim)	2. Library & Information Centre completed at HQs: School & Dispensary buildings are under construction New campus at Almora & Kullu became functional and works at Panthang initiated

104. INTEGRATED ACTION ORIENTED RESEARCH AND DEVELOPMENT IN HIMALAYAN REGION

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
Integrated Eco-development Research Programme	0.40	0.42	Continuation of ongoing projects and new projects	Ongoing projects were continuing and some new projects were taken up.

105. BIODIVERSITY CONSERVATION

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements
Integrated Eco-development Research Programme	.40	.42	Continuation of ongoing projects and new projects	Ongoing projects were continuing and some new projects were taken up.

Physical Targets	Achievements
i) Drafting of the National Policy and Action Strategy on Biodiversity.	National Policy and action strategy on Biodiversity drafted
ii) Formulation of Cabinet note on Biodiversity legislation.	Draft outline of Biodiversity legislation formulated
iii) Developing India's position for biosafety protocol negotiations.	India's position developed for bio-safety Protocol negotiations
iv) Finalisation of the first National report.	The first National Report finalised.
v) Peer review of the Status Report on Biodiversity.	The Status Report on Biodiversity peer reviewed.

1. National Policy and Action Strategy on Bio-diversity"

The draft National Strategy and Action Policy for Bio-diversity was revised, and submitted to the Committee of Secretaries for approval. As suggested by Cabinet Secretariat, the draft was abridged and resubmitted to the Committee of Secretaries. The Committee of Secretaries approved the document in its meeting held in January 1999.

2. Legislation

A draft Cabinet note alongwith the draft outline of bio-diversity legislation was circulated to concerned Ministries/Departments for their comments. Comments received were analysed. The draft outline of bio-diversity legislation was sent to all State Government/Union Territories, NGOs, universities, industry and experts to elicit their views. A National level meeting to discuss the draft was held on 5.8.98 under the chairmanship of the Minister for Environment and Forests. Comments received were analysed 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 of Environment and Forests. A draft note for the Cabinet was circulated. The Committee of Secretaries discussed the draft outline in its meeting held in January 99. Thereafter, inter-ministerial consultations were held to revise the outline.

3. Bio-safety Protocol

The inter-ministerial Task Force on Bio-safety set up for developing India's stand in the international negotiations for a protocol on bio-safety continued its work during the year. Several meetings of the Task Force were held for working out India's position for the fourth and fifth meetings of Ad-hoc Working Group. India's strategy for the Extended Bureau meeting, sixth meeting of the Working Group and the Ex-CoP was prepared and got approved by the Committee of Secretaries.

4. First National Report

The first National Report to the CBD was finalised and submitted to the CBD Secretariat. The Report was released by the NIEF on 29.12.99.

5. Status Report

The draft Status on Bio-diversity submitted by the consultant was sent to experts for peer review. A meeting of the experts were held in January 1999. Further action to finalise the Status Report was undertaken.

106. CONSERVATION & MANAGEMENT OF MANGROVES AND CORAL REEFS

(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	1.50	1.47	MAPs for 12 Mangrove & 2 Coral Reef areas	MAPs on 7 Mangrove & 2 Coral Reef areas	Non submission of MAPs & UCs by the concerned States/ Uts

107. HAZARDOUS SUBSTANCE MANAGEMENT

(rupees in crores)

Name of the Activity	BE	Actual Expenditure	Physical Targets/ Achievements	Reasons for shortfall, if any
Hazardous Substance Management	1.50	1.50		Nil

*Physical Targets/Achievements

- i) Red Book published.
- ii) 2nd meeting of the Central Crisis Group/Co-ordination Committee held.
- iii) Draft Scheme on Chemical Accident Management prepared.
- iv) 8 Hazard Analysis Studies conducted.
- v) Monitoring of National Poison Control Centre conducted.
- vi) Training on Emergency Preparedness and Accident Prevention conducted.
- vii) Amendments to MSIHC Rules and HW Rules being finalised.
- viii) Amendments to Chemical Accident Rules. 1996 notified.
- ix) Banning on Import of Wastes Asbestos and Waste containing PCB. PCT and PBB notified.
- X) Feasibility Study on Remediation on H-Acid contaminated site at Bichhiri initiated,
- xi) Draft amendment of Micro-organism Rules notified.
- xii) Bio-medical Wastes Rules notified.
- xiii) Draft Rules on Recycled Plastic Usage Rule and Fly Ash Rules notified.
- xiv) Important developmental studies taken up.

108. BIOSPHERE RESERVES

(Rs. in Crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets	Physical Achievements	Reasons for shortfall, if any.
Biosphere Reserves.	2.62	2.81	a) Approval of Management Action Plan in respect of 10 Biosphere Reserves b) Meeting of National Committee and Scientific Advisory Committee c) Evaluation of MAP and Research Activities.	Targets fully achieved.	--

109 INTERNATIONAL COOPERATION

(Rs. in Crores)

Name of the scheme	BE	Actual Expdt.	Physical Target
Delhi Urban Environment Project	2.00	-	The consultants of the project will be finalized
ICEF	1.00	-	-
IC Division activities	1.00	-	-
UNDP-CCF Programme	6.00	0.77	

Achievements

- a) The first meeting of the GEF Assembly was hosted by India in New Delhi from April 1-3, 1998. Participants from over 100 countries and representatives from International Organisations attended the meeting. The Assembly was preceded by the 11th Council Meeting of GEF.
- b) Minister for Environment & Forests (MEF) led the Indian delegation to the Sixth Session of Commission on Sustainable Development (CSD) held in New York from April 20 to May 1, 1998. The Session was devoted to the thematic subject of fresh water management. Other cross spectral issues discussed in the 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 during the year.
- e) Under the World Bank assisted Environment Management Capacity Building Project, 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) MEF participated in the Fifth Special Session of Governing Council of UNEP held in Nairobi from 22-29 May 1998.
- g) Secretary(E&F) led the Indian delegation to the first meeting of ESCAP 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 & Forests was signed with Federal Republic of Germany on 8th September 1998 during the visit of the President of India to Germany.
- k) Minister of State (E&F) participated in the 20th Session of the Governing Council of UNEP held in Nairobi from 1-5 February, 1999.
- l) Officials from the Ministry of Environment & Forests, State Environment & Forests Departments, Central and State Pollution Control Boards, NGOs and the autonomous bodies/institutions of Central and State Governments were nominated for the International Training's/Seminars/Workshops etc.
- m) Delhi Urban Environment & Infrastructure Improvement Project. The World Bank provided a grant of US\$900,000. The ToRs have been finalised and the technical bids of the shortlisted consultants for undertaking the above study have been sent to the World Bank for their approval. After approval the financial bids were opened and the consultancy has been finalised.
- n) India Canada Environment Facility was set up on the basis of Memorandum of Understanding signed between the Government of India and Canada. ICEF has approved 16 projects for funding.

110. ENVIRONMENTAL MANAGEMENT CAPACITY BUILDING TECHNICAL ASSISTANCE PROJECT (WORLD BANK AIDED)

(Rs. in crores)

Name of the Activity	BE	Actual Expdt.	Physical Targets/Achievements I	Reasons for shortfall, if any
ENVIRONMENTAL MANAGEMENT CAPACITY BUILDING TECHNICAL ASSISTANCE PROJECT	36.00	9.90	The project was approved for implementation in August 1997 and hence no effective Targets/achievements could be fixed except preparation of Project Implementation Plans. taking action regarding hiring of national / international consultants and planning for procurement of equipment and recruitment of staff.	