

CHAPTER II - A & B

2.0. REVIEW OF OVERALL PERFORMANCE

2.1. A REVIEW OF PERFORMANCE DURING 8TH FIVE YEAR PLAN AND GOALS SET FOR THE 9TH PLAN

(I) The Ministry of Environment & Forests was allocated an outlay of Rs.1200 crores for its 8th Plan 1992-97. The actual expenditure in 1992-93 was Rs.274.67 crores, in 1993-94 it was Rs.303.52 crores, in 1994-95 Rs.328.25 crores, in 1995-96, Rs.296.66 crores and in 1996-97 it was Rs.428.85 crores, making a total of Rs.1631.93 crores. The sector-wise and year wise details of outlays/expenditure as follows:

Table-A: Sector wise/Year wise approved Outlays & Expenditure under VIIIth Plan.

(Rs. in Crores)

Sector	8th Plan Outlay Original	Outlay 1992-93	Expdt. 92-93	Outlay 93-94	Expdt. 93-94	Outlay 94-95	Expdt. 94-95	Outlay 95-96	Expdt. 95-96	Outlay 96-97	Expdt. 96-97
1	2	3	4	5	6	7	8	9	10	11	12
Environment	325	48.00	45.09	70.00	71.15	79.00	103.52	80.00	63.00	125.00	124.18
NRCD	350	55.00	54.19	65.00	64.91	78.00	31.34	79.00	42.09	106.00	121.53
NAEB	275	115.00	114.45*	98.00	90.33	103.00	103.13	104.00	93.18	90.00	87.55
Forests & Wildlife	250	62.00	60.92	85.00	77.13	100.00	90.26	107.50	98.37	148.40	95.58
Total	1200	280.00	274.65	318.00	303.52	360.00	328.25	370.50	296.64	469.40	428.84

* During 1992-93, the then National Wastelands Development Board was bifurcated into two separate Boards. NWDB was transferred to Department of Wastelands Development and NAEB was retained in Ministry of Environment & Forests. The allocation of Rs.115.00 crores was for both the boards. The expenditure of Rs. 114.48 crores relates to both the Boards. Expenditure under NAEB was Rs.72.736 crores during 92-93.

Table-B: Sector-wise Plan outlay & Expenditure in percentage under the VIIIth Plan

(Rs. in Crores)

Sector	8th Plan Outlay Original	Total Outlay Revised	Total Expdt.	Allocations (% increase over original outlay)	Expdt. (% increase over original outlay)
1	2	3	4	5	6
Environment	325.00	402.00	406.95	23.69	25.21
NRCD	350.00	383.00	314.07	9.42	(-)10.27
NAEB	275.00	510.00	488.64	85.45	77.68
Forests & Wildlife	250.00	502.90	422.24	101.16	68.90

Total	1200.00	1797.90	1631.90	49.82%	36%
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Notes:

1. Increase in outlays/expenditure over original approved Plan outlay in case of NAEB is due to the fact that the major schemes of NAEB were got approved from CCEA at enhanced outlays for 8th FYP so as to increase area coverage under afforestation/eco-development activities.
2. Increase in outlays/expenditure over original approved Plan outlay in case of Environment is due to the fact that year-wise outlays for certain schemes like Environmental Impact Assessment, Industrial Pollution Control Project, Conservation & Survey etc. were approved by Planning Commission at increased levels.
3. Increase in outlays/expenditure over original approved Plan outlay in case of Forest & Wildlife is due to the fact that the major schemes like World Bank aided Forestry Research Education Extension Scheme of ICFRE, Eco-Development in and around Protected Areas, Project Tiger, Development of National Parks and Sanctuaries, Project Elephant etc. were approved at enhanced level in VIII Plan due to increased activities.
4. Under NRCD, during VIIIth Plan, except GAP Phase I which was 100% central funded, all schemes are implemented on a 50:50 sharing basis.

2.2. OUTLAY FOR THE NINTH PLAN AND ANNUAL PLANS 1997-98 AND 1998-99.

Overall Plan outlay/expenditure
sector-wise

(Rs. in Crores)

Year	Environment	NRCD	Forests & Wildlife	NAEB	Total
9 th Plan approved outlay	875.50	693.80	868.20	735.00	3172.46
1997-98 Outlay	198.00	109.00	144.70	92.00	543.70
Expenditure	115.37	99.44	122.70	69.19	406.70
1998-99 Outlay	210.91	191.70	209.13	92.35	704.09

NRCD - National River Conservation Directorate

NAEB - National Afforestation and Eco-Development Board.

3.0.1. The scheme wise details of outlay, expenditure, physical targets and achievements during the 8th Plan period in all the sectors as above, and, the outlay and the goals set for 9th Plan are as below:

3.0.2. FORESTRY AND WILDLIFE

3.0.3. INDIRA GANDHI NATIONAL FOREST ACADEMY (IGNFA), DEHRA DUN

The IGNFA is responsible for in-house training for Indian Forest Service Probationers. Its achievements during the VIII Plan and goals for the IX Plan are as under:-

(Rs. in Crores)

Programme	VIII Plan Outlay	Expenditure	Physical Targets	Achievements	9 th Plan Outlay	Goals set for 9 th
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						Plan.
Training of IFS Probationers.	7.03	7.03	*	Fully Achieved	10.50	**

* Training of IFS Probationers recruited from 1992-98

10 Compulsory courses for in-service IFS officers.

1 Induction Training Programme with 26 participants.

**Training of 150 IFS Probationers.

Upgradation of computer lab and improvement of infrastructural facilities in class-rooms, library, hostel, etc.

Construction of pavilion.

3.0.4. STATE FOREST SERVICE AND RANGERS COLLEGES

This Institute caters to the training requirement of SFS Officers of different States. Its achievements during the VIII Plan and goals for the IX Plan are as under:

(Rs. in Crores)

S. No.	Programme	VIII Plan Outlay	Expenditure	Physical Targets.	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
	SFS & Rangers Colleges	4.05	3.97			6.00	
1.	Training of SFS Officers			15 courses	12 courses		15 courses
2.	Training of Forest Rangers			5 courses	5 courses		
3.	Special Refresher Course for In-service SFS Officers			59 courses	59 courses		55 courses
4.	Course on Computer Application in Forestry for In-service SFS Officers			17 courses	17 courses		34 courses
5.	Other Courses			3 courses	3 courses		20 courses

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

IIFM, Bhopal is an autonomous Institution under the Ministry established for the development of

managerial capacity in the forestry sector. Its achievements during VIII the Plan and goals for the Ninth Plan are as under:-

(Rs. in Crores)

S. No.	Programme	VIII Plan Outlay	Expdt	Physical Targets.	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
	IIFM	6.50	10.34			14.50	
a)	Management Development Programme (MDP)/ Courses & Seminars			MDP Courses- 109,	MDP Courses 79		131MDP and 19 workshops
b)	Post-Graduate Diploma in Forestry Management (PGDFM)			PGDFM 5 batches	PGDFM 5 batches		Every year 35 students in PGDFM, 5 seats to SAARC students, 5 seats for foreign nationals/NRIs,
c)	M.Phil level Course on Resource Management (MRM).			MRM 3 batches	MRM 3 batches		20 persons in MRM. Ph.D.programmes 10 numbers

3.0.6. INDIAN COUNCIL OF FORESTRY RESEARCH & EDUCATION (ICFRE), DEHRADUN.

This is an autonomous body under the Ministry for research and education activities relating to forestry. It has 8 institutes and 3 satellite centres spread all over the country. Its achievement during VIII Plan and goals for Ninth Plan are as under:-

(Rs. in Crores)

S.No.	Programme	VIII Plan Outlay	Expenditure	Physical Target/ Achievements	Ninth Plan Outlay	Goals for Ninth Plan
1.	Research a) General Component	90.00	110.44	*	225.00	**
	b) Externally Aided Component	90.00	56.69			
2	Education & Training	4.00	4.49	*	10.00	**

* ICFRE provides technical advice to the Ministry on forestry-related matter. It also provides education under forestry related matters through various PG Diploma Courses and award fellowships and research associateship. The relevant extension materials and important research findings were published

and preparation of slides and films were carried out. Some of the important studies done by the institutes under ICFRE are as under:

Studies were conducted on wood properties gluing technology, preservation treatment, etc. in Forest Research Institute, Dehradun.

Studies on Reproductive Biology, genetic improvement and mass multiplication of important tree species were conducted in Institute of Forest Genetics and Tree Breeding, Coimbatore.

Provenances trials in-vitro propagation of sandal were carried out in Institute of Wood Science and Technology, Bangalore.

Collection and evaluation of Germ-plasma of important non-timber forest products was made in Tropical Forest Research Institute, Japalpur.

Soil water plant relationship were studied and moisture stress tolerance levels for various species evaluated in Arid Forest Research Institute, Jodhpur.

** Some of the important studies to be taken up by the Institutes of ICFRE during IX Plan are as under:

Tree improvement and breeding programme in Forest Research Institute, Dehradun.

Reproductive Biology Breeding System studies in Institute of Forest Genetics and Tree Breeding Coimbatore.

Studies on Wood Anatomy and Development of Computer-assisted Wood Identification Methodologies would be undertaken in Institute of Wood Science & Technology, Bangalore.

Evaluation of Species for Leaf Fodder Improvement will be undertaken in Arid Forest Research Institute, Jodhpur.

Species of Bamboos will be studied in Institute of Rain and Moist Deciduous Forest Research, Jorhat.

Studies on Cold Desert afforestation, regeneration of temperate forests and agro-forestry systems for lower hills will be undertaken in Himalayan Forest Research Institute, Shimla.

3.0.7. INDIAN PLYWOOD INDUSTRIES RESEARCH & TRAINING INSTITUTE (IPIRITI), BANGALORE

This Institute under the Ministry is a centre of expertise in the mechanical wood industries sector. Its achievement during VIII Plan was as under:

(Rs. in Crores)

S. No.	Programme	VIII Plan Outlay	Expdt.	Physical Targets/ Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
1.	IPIRITI	2.16	2.21	*	3.50	Improvement in qualities and performance of particle boards, etc.

*The Institute's Research & Development focus during VIII Plan period was on the following key areas:-

Optimum utilization of small diameter logs in the production of timber and plywood.

Formulation of adhesives replacing non-renewable with renewable materials.

Development of economical methods to treat wood and wood based panels with preservatives.

Evaluation and standardization of plywood woods for engineering applications.

4.0 SURVEY AND UTILISATION OF FOREST RESOURCES

4.0.1 FOREST SURVEY OF INDIA (FSI):

The FSI is responsible for survey and utilisation of forest resources in India and its achievements during the VIII Plan and outlay proposed for the IX Plan are as under:

(Rs. in Crores)

S.No.	Programme	VIII Plan Outlay	Expenditure	Ninth Plan Outlay
1.	Application of Remote Sensing Techniques in Survey of Forests.	19.21	13.79	25.00

The physical targets and achievements of FSI during the VIII Plan and the goals set for the IX Plan are as under:-

S. No.	Programme	Units	Physical Targets	Physical Achievements	Goals for Ninth Plan
1.	Forest Inventory	Area in Sq. Km.	1,27,057	1,67,571	1,91,250
2.	Data Processing	-do-	1,20,043	1,15,481	1,91,250
3.	Thematic Mapping	1:50,000 scale	1,300	1301	1300
4.	Vegetation Mapping	1:250,000 scale	909	911	905
5.	Training	No. of Persons Trained	420	613	450
6.	Special Study	--	6	13	20

4.02 FOREST CONSERVATION

Under the Scheme "Strengthening of Forestry Division", seven 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 achievements during the VIII Plan and goals set for IX

Plan are as under:-

(Rs.in Crores)

S. No.	Programme	VIII Plan Outlay	Expdt.	Physical Targets	Achievement	Ninth Plan Outlay	Goals set for Ninth Plan
1.	Strengthening of Forest Division:	9.55	9.56			15.00	
	a) Monitoring of Forest Conservation Projects/Cases			4370	4094		4750
	b) Monitoring of Environment Clearance			2140	2527		2200

Projects/Cases.							
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*Including Rs.6 crores for construction of for construction of Regional Offices at Bhopal, Bhubaneshwar and Chandigarh.

4.0.3 FOREST PROTECTION AND REGENERATION

The Scheme "Association of Scheduled Tribes and Rural Poor in Regeneration of Degraded Forests:" was started in 1992-93 on pilot basis with 37 projects in 9 States, namely, Andhra Pradesh, Bihar, Gujarat, Madhya Pradesh, Maharashtra, Rajasthan, Orissa, West Bengal and Karnataka. Its achievement during the VIII Plan and goals set for the IX Plan are as under:

(Rs.in Crores)

Programme	VIII Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan Outlay	Ninth Plan Physical Target
Association of Scheduled Tribe & Rural Poor	7.35	7.36	10,550 ha. Rehabilitation of degraded forest lands	10,205 ha	15.00	15670 ha. Rehabilitation of degraded forest land

During the VIII Plan, a Central Sponsored Scheme, "Modern Forest Fire Control Methods in India" was continued. The Scheme was launched during the VII Plan with UNDP assistance as a pilot project in Uttar Pradesh and Maharashtra mainly to protect forests from fire. The project was implemented in 13 States during

VIII Plan. Its achievement during the VIII Plan and goals set for IX Plan are as under:

(Rs.in Crores)

Programme	VIII Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
Modern Forest Fire Control Methods in India	7.37	7.37	To assist 13 States to develop necessary infrastructure to control forest fire.	13 States were assisted.	15.00	To assist all States/UTs to develop necessary infrastructure to control forest fire.

5.0 WILDLIFE

5.0.1 Ministry of Environment & Forests oversees implementation of Wildlife (Protection) Act, provides assistance to State Governments for development and protection of National Parks and Wildlife Sanctuaries and deals with matters relating to Wildlife Institute of India (WII), Dehra Dun and Convention on International Trade in Endangered Species (CITES).

5.0.2. WILDLIFE INSTITUTE OF INDIA (WII)

WII was established in 1982 under the erstwhile Ministry of Agriculture and Cooperation and subsequently brought under the Ministry of Environment and Forests. The main mandate of the Institute is to impart training to government and non-government personnel to carry out research and advise on matters of conservation and management of wildlife resources. In April, 1986, autonomous status was granted to this Institute for developing its professional role in bio-diversity conservation for South and South East Asian Region.

The Institute conducts three principal courses viz., the 3 months' certificate, the 9th months' diploma and 2 years M.Sc. in Wildlife Biology on a regular basis.

During 8th Plan about 370 students/Forest Officers/others were trained by WII in different courses conducted by it. Its achievements during 8th Plan and goals set for 9th Plan are given below:

(Rs.in Crores)

Programme	8 th Plan Outlay	Expdt.	Physical targets (no. of persons)	Achievements (no. of persons)	9 th Plan Outlay	Goals set for 9 th Plan. (No. of persons)
WII	17.57	16.21			25.00	
a) M.Sc. courses in Wildlife Sciences			50	26		55
b) P.G. Dip. Course in Wildlife Management.			150	86		150
c) Certificate Course in Wildlife Management.			150	83		150
d) Field Workshop/ Short Courses			300	175		700

5.0.3 STRENGTHENING OF WILDLIFE DIVISION AND CONSULTANCIES FOR SPECIAL TASKS

The Scheme was started from 1986 with activities like Strengthening of Wildlife Division and Regional Offices in Delhi, Mumbai, Calcutta and Chennai with adequate manpower and development of infrastructure for better enforcement of Wildlife (Protection) Act, CITES, etc. Three sub-regional offices at Guwahati, Amristar (shifted from Pathankot) and Cochin were started. The achievement of the Scheme during the VIII Plan and Goals set for the IX Plan are as under:

(Rs.in Crores)

Scheme	8 th Plan Outlay	Expdt.	Physical Targets/ Achievements	9 th Plan Outlay	Goals set for 9 th Plan.
Strengthening of Wildlife Division	3.50	2.71	*	6.00	To provide funds for Regional Offices, Central Wildlife Division and Consultancies for Special Tasks.

*Establishment expenses, Office Expenditure, Domestic Travel Expenses, of Central Wildlife Division and Regional Offices are being paid from the Scheme. Funds are also provided for conduct of consultancies in wildlife management for special tasks and assistance is given as and when there is a proposal for the same.

6.0 NATIONAL PARKS AND SANCTUARIES

The objective of the Scheme is to assist the State governments and UTs in the development of their National Parks and Sanctuaries and encourage them to extend protected area network. The Scheme provides financial assistance for habitat development of Wildlife and Bio-diversity Conservation, to create infrastructure facilities for better protection and management. 100% assistance is provided under this Scheme for identified items of non-recurring expenditure in case of National parks and Sanctuaries. 50% assistance is also provided in respect of certain identified recurring items of expenditure in respect of National Parks only. Its achievement

during the 8th Plan and goals set for the 9th Plan are as under:

(Rs.in Crores)

Scheme	8 th Plan Outlay	Actual Expdt.	Physical Targets	Achievements	9 th Plan Outlay	Goals set for 9 th Plan.
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Development of National Parks and Sanctuaries.	49.50	49.50	250 National Parks and Sanctuaries to be covered and provided assistance.	220 * National Parks and Sanctuaries were provided assistance.	110.00	To provide financial assistance to all National Parks and Sanctuaries in States/Uts for protection of endangered species and Conservation of Wildlife.
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* Shortage of funds was the constraint for achieving full target.

7.0 CENTRAL ZOO AUTHORITY (CZA)

The Central Zoo Authority (CZA) was constituted by the Government of India in February, 1992 with a view to enforce minimum standards for upkeep and health care of animals in zoos. This was done through an amendment of the Wildlife (Protection) Act, 1972.

The achievements of CZA during the VIII Plan and goals set for the IX Plan are as under:-

(Rs.in Crores)

Name of the Scheme	Eighth Plan Outlay	Actual Expdt.	Ninth Plan Outlay	Physical Targets/Achievements	Goals set for Ninth Plan
Central Zoo Authority	12.00	12.00	30.00	*	**

*Rs.948.36 lakhs were released to various Zoos as approved by CZA.

All large, medium, small, mini and mobile zoos were evaluated.

Training courses for Zoo Directors and Zoo Keepers were organised at various places.

Workshops were organised.

Zoo Directors and Veterinarians were sent for training at Wildlife Preservation Trust at Jersey, U.K.

2 research projects were awarded to CCMB for DNA finger printing of wild animals and semen and Geo-preservation of Spermatozoa of Indian Wild Animals.

** Grants to zoos for improvement of animal enclosures/upgradation of upkeep/health care, awareness, etc.

Creation of centre for conservation of endangered species.

Education and awareness of programmes through NGOs.

Training programmes/workshops will be organised in collaboration with Wildlife Institute of India and other institutes.

Suitable office accommodation for CZA office will be hired /acquired.

Creation of rescue centres for animals at each zone.

8.0 ANIMAL WELFARE BOARD OF INDIA (AWBI)

Various animal welfare organisations along with the Board take steps to generate public awareness, AWBI receives grants-in-aid from Government of India and in turn provides assistance to various organisations in the country for rescue/shelter homes, animal birth control, vehicles, medicines and veterinary care, etc.

AWBI also imparts training to representatives of various Animal Welfare Organisations and public in animal

care, laws and various other disciplines. Its achievements during the VIII Plan and goals set for the IX Plan are as under:

(Rs.in Crores)

Name of the Scheme	VIII Plan outlay	Expdt.	Physical Target/ achievements	Ninth Plan outlay	Goals set for Ninth Plan
Animal Welfare Board of India	6.50	6.40	*	20.00	Number of trainers 150. Number of Hon. Animal Welfare Officers 12000. Number of training centres 1000.
					Rescue home for animals – Number of organizations to be benefited 300.
					ABC operations 100000. Number of Centres 30.
					Construction of office building of AWBI.
					Research & Development.

* Scheme has been transferred to the Ministry of Social Welfare & Empowerment w.e.f. 3.9.98.

Physical Targets

- Humane Education
- Rescue home for animals including water troughs and water facilities.
- Animal birth control operations (ABC)

Achievements

- Number of trainers 97. Number of Honorary Animal Welfare Officers 9500. Number of Training Centres 600.
- Number of organisations benefited 250.
- Number of operations 70,000. Number of centres 20.

The scheme has been transferred to Ministry of Social Justice and Empowerment during 1998-99.

9.0 PROJECT TIGER (PT)

9.0.1 The Centrally Sponsored Plan Scheme 'Project Tiger' was launched on 1st April, 1973. Initially, nine tiger reserves were created. Presently, there are 23 tiger reserves in 14 States covering an area of over 33,000 sq. kms.

The achievements of the Scheme during the VIII Plan and goals set for the IX Plan are as under:-

(Rs. in Crores)

Scheme	8th Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan.
Project Tiger	40.00	38.90	To assist Tiger Reserves for conservation and protection of tigers habitat improvement, forest protection, construction of staff quarters, office building, wireless	Central assist-ance was given to 23 Tiger Reserves against targets fixed	75.00	6 New Tiger reserves are to be identified and included in the Project Tiger scheme. Creation of Strike Force in each Tiger Reserve. Project Allowances to the Officers/Staff of all the T.Rs. is also proposed.

			network, etc.			
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10.0. PROJECT ELEPHANT

The Scheme was started in 1991-92. The achievement during the VIII Plan and goals set for the IX Plan are as under:-

(Rs. in Crores)

Scheme	VIII Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan outlay	Goals for the Ninth Plan.
Project Elephant.	23.00	19.51	To assist 12 States for Conservation of elephants, habitat development, etc.	Assisted 13 States for conservation of elephants.	40.00	To assist 12 States for conservation of elephants.

11.0 ECO-DEVELOPMENT SCHEME IN AND AROUND PROTECTED AREAS:

11.0.1 The objectives of the Scheme is to provide alternative sources of sustenance to the communities on the fringes of National Parks and Sanctuaries and to improve the ecological productivity of the buffer zones of Protected Areas through the introduction of sustainable economic activities and also to provide assistance for preparation of plans for eco-development, soil conservation, alternative energy sources, efficient utilisation of biomass, etc. Its achievement during the 8th Plan and goals for the 9th Plan are as under:

(Rs in Crores)

Scheme	8 th Plan Outlay	Expdt.	Physical Targets	Achievements.	9 th Plan Outlay	Goals set for 9 th Plan.
Eco-development Around Protected Areas	22.98	22.20	80 national Parks and Sanctuaries and 23 Project Tiger areas to be covered.	70 National Parks and Sanctuaries and 23 Project Tiger areas covered under the scheme. They were provided assistance for biomass generation and non-conventional energy resources.	45.00	80 National Parks & Sanctuaries and 18 Project Tiger areas will be covered (excluding 5 Tiger Reserves being assisted under the Externally Aided Scheme) for biomass generation and non-conventional energy resources.
India: Eco-development Project.	6.16	2.36	The Project Preparation Facility funds of US \$2 million was provided as loan by IDA to take up demonstration activities viz. Improved management, village eco-development, environment education awareness campaign, etc. in 7 protected areas where the main scheme would be implemented	Infrastructure development facilities were taken up in the Central Coordination Unit in the PT Division in the Ministry. Concerned State Governments were provided assistance for taking up development activities in the 7 protected areas.	292.57	The Project Agreement was signed on 30/9/96 and became effective from 27/12/96. The Project will be implemented by the concerned States to achieve improved protected area management, village eco-development, environmental education awareness campaigns, etc. in the 7 identified areas viz. Gir, Nagarhole, Ranthambore, Periyar, Buxa, Palamau and Pench.

			during the 9 th Plan.			
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11.0.2 BENEFICIARY ORIENTED SCHEME FOR TRIBAL DEVELOPMENT:

11.0.3 The Scheme was launched during 1989-90 with an objective of rehabilitation of tribal families affected

under the relocation plan of national parks and sanctuaries including project tiger reserves. The achievement during the VIII Plan and goals set for the IX Plan are as under:-

(Rs in Crores)

Scheme	VIII Plan Outlay	Expdt.	Physical Targets	Physical achievements	IX Plan outlay	Goals set for Ninth Plan.
Beneficiary Oriented Scheme for Tribal Development.	3.50	2.40	Relocation of tribal families outside the protected areas.	Out of 423 tribal families proposed for relocation outside the protected areas, relocation of 188 families completed.	10.00	1000 tribal families are proposed to be relocated outside protected areas.

* There were less number of proposals received from State Govts.

12.0 NATIONAL ZOOLOGICAL PARK, NEW DELHI

The Scheme is being continued since 1955-56 with the objective of conserving and breeding rare and endangered animals, to conduct research regarding behaviour, reproduction and nutrition, to educate and entertain people about preservation of wildlife. It also provides assistance and guidance to other zoos in the country.

During VIII Plan, against the target of Rs.1.95 Crores for developmental work in the NZP, Rs.1.39 Crores were spent. 28 construction/development works were completed. Ninth Plan outlay for NZP is Rs.3.20 Crores. Various construction/development works will be undertaken.

13.0 NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD

The National Afforestation & Eco-Development Board (NAEB) was set up in August 1992. Its main functions are:

- Ecological restoration of degraded forest areas and adjoining lands
- Research and extension of research findings to disseminate new and proper technologies;
- Create general awareness to foster a people's movement for promoting afforestation and eco-development

(Rs in Crores)

Scheme/Activity	8th Plan Outlay	Financial Achievements for 8th Plan	Physical Targets for 8 th Plan	Physical Achievements for 8th Plan	Ixth Plan outlay	Goals set for IXth Plan
Integrated Afforestation and Eco- Development Projects scheme	200.00	203.12	3,79,558 ha.	2,98,981	334.00	1,77,000 ha.
			4,20,084 ha.	4,04,218	230.00	3,67,000 ha.

Fuelwood/Fodder Projects Scheme	158.00	154.19				
Non-Timber Forests Produce (including Medicinal Plants) Scheme	55.00	56.47	1,00,000 ha.	1,08,000	120.00	74,000 ha.
Seed Development Scheme	9.00	7.81	-	25 States assisted	14.00	All States to be assisted
Grants-in-Aid Scheme (for Voluntary Agencies)	9.50	7.51	-	338 Projects sanctioned	12.00	NGO projects to be sanctioned
Aerial Seeding Scheme	6.00	2.49	This scheme is in abeyance since 1994-95			
<u>20 Point Programme</u>						
a) Seedling Distribution			625.85 crores	557.90 crores		
b) Area coverage Others			5522201 ha.	5067031 ha.		

14.0 BOTANICAL SURVEY OF INDIA (BSI)

(Rs. in Crores)

Schemes	VIII Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
<u>Botanical Survey of India:</u>	12.41	11.75			32.00	Survey of Natural Resources. Survey of Endangered species. Scientific Evaluation of selected useful plants, etc. Publication Listing of live Specimen collection
a) Survey of Natural Resources			207	135		
b) Endangered Species			790	610		
c) Scientific evaluation of selected useful plants			14	10		
d) National database of type			2770	2770		

specimen.						
e) Listing of Live Specimen Collection			15,200	15045		
f) Publication.			17	31		

15.0. ZOOLOGICAL SURVEY OF INDIA (ZSI)

(Rs. in Crores)

Scheme	VIII Plan Outlay	Expdt	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
Zoological Survey of India: Exploration and Survey of States Fauna and Ecosystems.	11.83	12.30	8 States (district-wise) 6 major ecosystems 15 conservation areas (including Tiger Reserves and 10 wetlands.	326 surveys undertaken in 8 States (60 districts) 6 major ecosystems, 15 conservation areas and 10 wetlands.	31.50	8 States, 7 ecosystems, 20% of total conservation areas will be surveyed.
Status survey of endangered species			13 species of mammals	Survey of 11 species completed, 2 species partially completed.		20 species
Taxonomic/ecological studies of State and ecosystem fauna			5 states, 2 estuaries, 2 wet-lands and 7 conservation areas including 6 Tiger Reserves.	4 States, 2 estuaries, 2 wetlands and 6 conservation areas completed and 1 State and 1 conservation area partially completed.		6 States and 5 ecosystems.
Computerisation of data.			Types and other Registered collections.	46,000 type data and 8000 data of other registered collections computerised.		Type data and general collections.
Training and extension programme			7	7		7
EIA Studies with regard to Fauna			As and when assigned	33 studies		As and when assigned.

16.0. ENVIRONMENTAL EDUCATION, AWARENESS & TRAINING

(Rs. in Crores)

Name of the Scheme	8 th Plan Outlay	Actual Expdt.	IXth Plan Outlay	Physical Target/Achievements	Goals set for IXth Plan
Environment Education & training	17.65	15.09	23.00	No quantitative targets were set for the schemes as such. However, the targets set for various programmes under the scheme have successfully achieved.	It is not possible to set any quantitative targets for these schemes. However, the existing programmes will be continued.
Seminars/Symposia /Workshops	1.40	0.89	1.50		

17.0. ENVIRONMENTAL INFORMATION SYSTEM (ENVIS)

(Rs. in Crores)

Scheme/Activity	8 th Plan Outlay		Expdt.		IX Plan Outlay	
	Plan	Non Plan	Plan	Non Plan	Plan	Non Plan
ENVIS	5.50	0.99	5.81	0.99	7.50	1.50

Targets:

- i) During Eighth Plan period, nine new ENVIS Centres on various subject areas were to be set up to develop the ENVIS network.
- ii) A quarterly document namely, 'Paryavaran Abstracts' reporting research in the field on environment in the Indian context are being published every year.
- iii) Annual Report of the Ministry is being published by ENVIS every year.
- iv) Networking among all the centres to be established for electronic communication with the ENVIS Focal Point to its network partners.
- v) The document repository in the library to be strengthened for providing feedback support to ENVIS in dissemination of information.
- vi) Query-answer service to be provided to the users.

Achievements:

- i) All the nine new ENVIS Centres were set up during the plan period in the field of animal ecology, environmental problems of mining, solid wastes, Himalayan ecology, human settlements, biogeochemistry and environmental law, plant ecology and avian ecology including inland wetlands.
- ii) Paryavaran Abstracts were published as per schedule during the plan period.
- iii) Annual Report of the Ministry was published by the ENVIS in each year during the plan period.
- iv) Efforts were made by the ENVIS for establishing Email service in order to have a direct electronic communication with its network partners. 12 ENVIS centres were provided with modem and hardware support to install Email facilities during the plan period. Efforts are being made to set up the similar facilities in the remaining centres.
- v) The library in the Ministry which acts as a document repository for ENVIS information in dissemination of information in the concerned fields was enriched by procuring additional quantity of scientific and technical books, documents, national and international journals etc. to provide the back up documentary support to ENVIS.
- vi) The ENVIS network responded to about 30,000 queries in environment and its related fields during the plan period and provided substantive information to its users.

18.0. CENTRES OF EXCELLENCE

(Rs. in Crores)

Name of the Scheme	8 th Plan Outlay	Expdt.	IXth Plan Outlay	Goals set for IXth Plan
CENTRES OF EXCELLENCE	23.00	20.08	25.00	To strengthen awareness, research & training in the priority areas of environmental science through existing seven centres of excellence.

19.0. NATIONAL NATURAL RESOURCES OF MANAGEMENT SYSTEMS (NNRMS)

(Rs. in Crores)

Scheme/Activity	8 th Plan Outlay		Expdt.		IX Plan Outlay	
	Plan	Non Plan	Plan	Non Plan	Plan	Non Plan
NNRMS	4.10	--	3.81	--	5.00	--

Targets:

Projects belonging to 56 areas identified by the Bio-resource Committee were to be considered.

Achievements:

Out of 56 thrust areas, 20 areas have since been covered and 30 projects sanctioned.

20.0. PARYAVARAN VAHINI

(Rs. in Crores)

Scheme/Activity	8 th Plan Outlay		Expdt.		IX Plan Outlay	
	Plan	Non Plan	Plan	Non Plan	Plan	Non Plan
Paryavaran Vahini	4.50	--	1.67	--	0.50	--

Target:

One Paryavaran Vahini has been constituted in each district which was selected on the basis of high incidence of pollution, density of tribal population and forest cover. 140 districts were identified for the setting up of Paryavaran Vahini.

Achievements:

Only 135 districts finally selected where Paryavaran Vahinis were set up. Token grant of Rs.200/- p.m. was given to the each member of Vahini. Since the fund was distributed through State Governments, expenditure in the consecutive years during the eighth plan could not be made because of the non-submission of utilisation certificate etc., by the concerned State Governments.

21.0. GRANTS-IN-AID TO PROFESSIONAL SOCIETIES

(Rs. in Crores)

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Scheme/Activity	8 th Plan Outlay		Expdt.		IX Plan Outlay	
	Plan	Non Plan	Plan	Non Plan	Plan	Non Plan
Grants-in-aid to Professional Societies	0.50		0.23		0.50	

Targets :

Though no numerical figure was targeted but efforts were made to provide financial support to the Professional societies and other appropriate institutions for developing activities and projects in the field of environment as well as to develop exhibition galleries and educational programmes relevant to the ecology.

Achievements:

During the plan period about eight institutions were supported and no other worth supporting proposals were received in the Ministry.

22.0. CLEAN TECHNOLOGY

(Rs. in Crores)

Name of the Scheme	8 th Plan Outlay	Actual Expdt.	IXth Plan Outlay	Goals set for Ixth Plan
Environmental Impact Assessment	}			Continuation of EIA Authorities for NCR, Tamil Nadu and Dahanu Region; setting up of National Environmental Tribunal and National Environment Appellate Authorities. During IXth plan emphasis will be on taking up more demonstration projects for effective transfer of technologies. } New Sectoral Studies. ICPC, Demonstration Projects.
	}			
	}			
	}			
	}			
	}			
	}			
	}			
	}			
	15.00	14.26	47.00	
Sustainable Development Strategies	}			
	}			
	}			
Development and Promotion of Clean Technologies	}			
	}			

23.0. ENVIRONMENTAL AUDIT,CLEAN TECHNOLOGY, ENVIRONMENTAL STATISTIC AND MAPPING

(Rs. in Crores)

Scheme/ Activity	8th Plan Outlay	Expdt.	IX Plan Outlay	Goals set for Ninth Plan
Environmental Audit	0.50	0.50	0.50	The main objectives of the scheme during the Ixth Plan include promotion of the concept of Environmental Audit, Organisation of training and awareness programmes, preparation of sector-specific guidelines for conducting environmental audit and analysis, evaluation and assessment of environmental audit statements and preparation of reports based on the analysis for the benefit of industry and the Government.

Environment Statistics and Mapping	0.50	0.50	0.50	Government. The main objective of the scheme is preparation of environmental maps depicting pollution data relating to air, water, soil and noise pollution along with trend analysis. The scope of the scheme include preparation of environmental atlas for the metro cities and other major cities in the country depicting pollution data and their trend analysis.
Adoption of Clean Technologies in Small Scale Industries	0.50	0.50	0.50	This scheme is continuing and on-going scheme in the Ixth Five Year Plan also. The physical targets include training and awareness programmes on waste minimisation, preparation of sector-specific manuals on waste minimisation, waste minimisation and demonstration studies in selected sectors and promotion and adoption of waste minimisation in SSIs.

Physical Targets:

Environmental Audit

Promotion of the concept of environmental statement as part of environmental audit, Organisation of training programmes on environmental audit, preparation of sector specific environmental audit manuals, preparation of software for analysis of environmental statements etc.

Environmental Statistics and Mapping

The physical targets include preparation of district-wise zoning Atlas for siting of industries, preparation of environmental quality mapping in the industrial locations of Kakinda and Visakhspatnam and preparation of water quality atlas of India.

Adoption of Clean Technologies in Small Industries

The physical targets include training and awareness programmes for personnel in SSIs and for personnel in SIDO, preparation of sector-specific manuals on waste minimisation, waste minimisation demonstration studies in selected sectors.

Physical Achievements

Environmental Audit

Modular environmental audit manuals for selected sectors of 17 categories heavily polluting industries have been prepared. About 20 sector-wise training programmes were conducted. Preparation of sector-specific manuals in selected sectors of sugar, tanneries and lube-oil re-refining industries have been initiated.

Environmental Statistics and Mapping

The achievements include district-wise zoning atlas for the districts of Ghaziabad (UP), Panchmahal (Gujarat), Goalpara and Kamaarup (Assam) and Singhbhvam (Bihar) have been completed. Project on preparation of environmental quality mapping in the industrial locations of Kakinada and Visakhapatnam has been completed. Preparation of water quality atlas of India has been completed.

Adoption of Clean Technologies in Small Industries

About 40 training and awareness programmes have been conducted through DC:SSI. Sector-specific manuals on waste minimisation in respect of pulp and paper based on agricultural residues, pesticide formulations and textiles, dyeing and printing have been undertaken. Waste minimisation and demonstration studies in respect of electroplating, edible oil industry, textile processing units, dye and dye-intermediate industries and tanneries have been undertaken.

24.0. ENVIRONMENTAL IMPACT ASSESSMENT

(Rs. in Crores)

Name of the scheme	8 th Plan Outlay	Actual Expdt.	Ixth Plan Outlay	Physical Targets/Achievements	Goals set for Ixth Plan
Environmental Impact Assessment (including Clean Technologies & Various Authorities)	15.0	14.25	47.00	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 are no Physical Targets/Achievements.	Continuation of EIA Authorities for NCR, Tamil Nadu and Dahanu Region; setting up of National Environmental Tribunal and National Environment Appellate Authorities During Ixth plan emphasis will be on taking up more demonstration projects for effective transfer of technologies.

25.0. ASSISTANCE FOR ABATEMENT OF POLLUTION

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	IX Plan Outlay	Goals set for Ninth Plan
Assistance for Abatement of Pollution	7.00	8.22	12.75	Financial assistance for supporting equipment, studies, projects etc., to various SPCBs/UT PCCs etc., to meet the objectives of the Policy Statement for Abatement of Pollution.

26.0. REIMBURSEMENT OF WATER CESS

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	IX Plan Outlay	Goals set for Ninth Plan
Reimbursement of Water Cess (Non-Plan)	106.85 (total of yearly allocation)	144.78 (N-Plan)	--	Since the expenditure is being met from the Non-Plan budget and is made on the basis of the collection and deposit of water cess in the Consolidated Fund of India, no outlay has been proposed for IXth Plan period.

27.0. NATIONAL MUSEUM OF NATURAL HISTORY (NMNH)

(Rs.in Crores)

Programme	VIII Plan	Expdt.	Physical	Ninth Plan Outlay	Goals set for Ninth Plan.
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	Outlay		Targets/Achievements		
NMNH	10.00	7.19	*	19.00	**

* With the ongoing and diversified programmes and activities, NMNH consolidated its position during 8th Plan in Non-formal Environmental Education.

The Regional Museum of Natural History at Mysore was inaugurated and opened to the public on 20th May, 1995.

The First phase of construction of the building of RMNH, Bhopal was completed and museum was inaugurated for the public on 29th September, 1997.

The Scientific collection work relevant to the exhibits and educational activities were made at the level of NMNH and Regional Museums of NMNH.

The first phase of the buildings of RMNH, Bhubaneswar is near completion. is under construction.

The Proposal for creation of posts for RMNH, Bhopal, Mysore and Bhubaneswar is under process for obtaining approval of competent authority.

Indo-US Natural History Workshops were organised in India and USA. Under the Partnership Programmes three pairs were exchanged of museum personnel from NMNH and RMNH, Mysore with different US Natural History Museums.

** Acquisition of land and construction of building of NMNH.

Renovation and updating of existing NMNH galleries.

Completion of 2nd phase of galleries of RMNH, Mysore.

Completion of 2nd Phase of building of RMNH, Bhopal.

Completion of 2nd phase of galleries of RMNH, Bhopal and open air exhibits on eco-history of Central India.

Completion of 1st phase of building of RMNH, Bhubaneswar.

Completion of 1st phase of galleries of RMNH, Bhubaneswar.

Setting up of National Photographic Index at NMNH.

28.0. CIVIL CONSTRUCTION UNIT

(Rs. in Crores)

Item	VIIIth Plan Outlay	Expdt.	Physical Target (No. of works)	Achievements (No. of works)	IXth Plan Outlay	Goals set for IXth Plan (No. of works)
Forestry & Wild Life	4.95	5.45	19	14	17.20	71
Ecology & Wild Life	18.50	16.36	44	32	28.00	98
Environment/Education/Training/Extension	2.00	4.82	4	2	9.00	27
Civil Works	3.00	3.75	-	-	6.00	-
Grand Total	28.45	30.38	67	48	60.20	196

29.0 NATIONAL RIVER CONSERVATION DIRECTORATE

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	Target/Achievements	IX Plan Outlay	Goals set for Ninth Plan
National River Conservation			Completed 250 schemes , 11 schemes under	} }	The goal of the NRCP is to reduce

Conservation Directorate.			completion.	}	
1) Ganga Action Plan I	215.00	152.06	Launch of GAP-II. All Plans approved.	}	pollution in the major rivers by executing pollution abatement measures such as interception and diversion and treatment of domestic sewage, undertaking river front works, etc.
2) Ganga Action Plan II (YAP, GoAP, DAP, GAP-II, M.S., SC), CETPs	127.00	131.23	YAP nearing completion. Others are in progress.	}	
3) NRCP	41.00	30.55		}	
4) NLCP	--	--	Launch of Action Plan works in progress	}	
Total	383.01	313.84		50 crores	Plan outlay approved against the projected target of Rs.50 crores, which is likely to be achieved.

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

30.0 CENTRAL POLLUTION CONTROL BOARD

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	IX Plan Outlay	Physical Targets	Physical Achievements	Goals set for Ninth Plan
Central Pollution Control Board	16.00	20.63	32.00	*	**	***
Total	16.00	20.83	32.00			

* Physical Targets

Pollution Assessment Survey & Monitoring

To undertake survey and monitoring programmes for assessment of pollution and for assessing environmental quality (including water and air)

Laboratory

Operation & Maintenance of laboratories and to undertake R&D schemes.

Development of Standards & Eco-mark

Development of standards and guidelines and developing criteria for Eco-mark.

Training

Organising training programmes.

Information (Data Base) Management & Library

Management of information system.

Pollution Control Enforcement

Implementation of pollution control programmes.

Pollution Control Technologies

Review of technologies and its application.

Mass Awareness

Organised mass awareness programmes

Hazardous Waste Management

Inventorization of hazardous waste generating industries

**** Physical Achievements**

Pollution Assessment Survey & Monitoring

Regular surveys have been carried out to assess the pollution from stationary and mobile sources and air and water quality programmes were continued with SPCBs/PCCs

Laboratory

Samples relating to water and air were analysed. Laboratory capabilities have been strengthened and schemes relating to prevention & control of pollution were taken up.

Development of Standards & Eco-mark

Standards have been developed in respect of important categories of industries and guidelines relating to prevention and control of pollution have been developed. Eco labeling criteria have been evolved for various categories of product.

Training

Training programmes have been organised by CPCB on various subjects and the training programmes have also been organised under the World Bank Assistance.

Information (Data Base) Management & Library

Data base management has been strengthened and data storage on environmental quality and its interpretation has been taken up.

Pollution Control Enforcement

Regular follow-ups in respect of pollution control in 17 categories of industries, restoration of environmental quality in problem areas and implementation of standards with SPCB & PCCs have been maintained.

Pollution Control Technologies

Review various technologies relating to prevention & control of pollution including vehicular and noise pollution control, fuel quality specifications and technologies relating to various specific industries have been taken up.

Mass Awareness

Participated in various exhibitions organised by different agencies. Awareness material relating to prevention and control of pollution has been brought out and widely circulated. Regular reports have also been published.

Hazardous Waste Management

Inventorization of industries has been taken up in different States and has been completed in respect of some States.

*** Goals set for IXth Plan

Pollution Assessment Survey & Monitoring

Undertake field service and monitoring programmes for assessment of pollution.

Laboratory

Strengthening of laboratory capabilities and undertake analyses of critical pollutants and initiate R&D scheme.

Development of Standards & Eco-mark

Development of standards in respect of new categories of industries, revision of existing standards and life cycle analysis of products and accreditation of laboratories.

Training

Organising training programmes on various issues relating to pollution control for SPCB industries and other concerned agencies.

Information (Data Base) Management & Library

Strengthening of data base. Streamlining of information management system.

Pollution Control Enforcement

Implementation of pollution control programmes through Environmental Surveillance Squad and implementation of Action Plan prepared by MoEF. Activities relating to Zoning Atlas would be continued as per the World Bank Programme.

Pollution Control Technologies

Documentation of technologies for various users relating to prevention and control of pollution.

Mass Awareness

Continuation of activities which would include organising mass awareness programme and documentation of activities of CPCB.

Hazardous Waste Management

Continuation in inventorization of hazardous waste generating industries.

31.0. ASSISTANCE TO BOTANIC GARDENS

This scheme is aimed at conservation and propagation of plant and genetic resources. Its achievements

during the Eighth Plan and goals for the Ninth Plan are as under:

(Rs. in Crores)

Programme	VIII Plan Outlay	Expenditure	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
Assistance for Regional Botanical Gardens	1.5	3.18	One time financial assistance to existing botanical gardens for improving their infrastructural facilities to facilitate ex-situ conservation of rare and endangered plants species.	40 Botanical Gardens were provided financial support.	5.5	To provide financial assistance to about 50 botanical gardens for infrastructural improvements.

32.0. RESEARCH AND ECOLOGICAL REGENERATION(R&D)

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	Target/Achievements	IX Plan Outlay	Goals set for Ninth Plan
RESEARCH AND DEVELOPMENT	18.00	15.85	Servicing of ongoing projects and launching of new ones. Targets achieved.	20.00	Initiation of co-ordinated projects; Targeted research; Technology development research

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

This Institute is supported by the Ministry for carrying out environment research in Himalayas. Its performance during the VIII Plan and goals set for the IX Plan are as under:-

(Rs. in Crores)

Programme	VIII Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
Research and	20.00	21.32	Strengthening	Building at	36.00	Research &

Development of Himalayan Region			of infrastructure and construction of buildings of the Institute at Almora, Kullu & Gangtok and Development/ Augmenting Research and activities in six divisions.	Almora was completed and construction at Kullu and Gangtok was initiated with 50% achievements at Kullu. Research and development projects initiated by various divisions were successfully completed.		Development activities will be strengthened. Buildings at Kullu and Gangtok will be completed and work will be initiated at Itanagar.
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33.1. INTEGRATED ACTION ORIENTED R&D AND EXTENSION PROJECTS IN HIMALAYAN REGION.

The achievement of the scheme during the the VIII Plan and goals set for IX Plan are given below:

(Rs. in Crores)

Programme	VIII Plan Outlay	Expdt.	Physical Targets	Achievements	Ninth Plan Outlay	Goals set for 9 th Plan
Integrated Action Oriented Research	2.00	1.76	To provide extra funds for location of specific projects operated by various organisations of the Himalayan Region.	56 Projects were sanctioned out of which 32 projects completed and results disseminated to various organisations.	Merged with the outlay of GB Pant Institute.	In addition to funding of on-going projects, new projects will be initiated and new network partners will be identified.

34.0. HAZARDOUS SUBSTANCES MANAGEMENT

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	IX Plan Outlay	Targets/Achievements	Goals set for Ninth Plan
Hazardous Substances Management	12.40	9.16	20.00	*	**

Hazardous Substances Management

*Target/Achievements:

- 1) Management structure in 18 states created for Hazardous Substances Management.
- 2) Central Crisis Group Alert System "Red Book" updated.
- 3) New Regulations and amendments to existing rules were taken up.
- 4) Implementation of the acts and rules are in progress.
- 5) Preparation of various guidelines on Hazardous Substance Management has been completed.
- 6) R&D projects on Hazardous Substances Management were taken up.
- 7) Training of personnel and creation of public awareness on chemical accidents being conducted in identified institutions.

- 8) National Register for Potentially Toxic Chemicals has been set up.
- 9) 16 States have been provided financial assistance for development of waste disposal sites.
- 10) Pilot Projects for solid waste management were initiated.
- 11) Projects on Industrial Safety and Disaster Prevention and Hazardous Wastes Management in 4 States were taken up. This is to be implemented with external assistance.

****Goals set for IXth Plan**

Projects are continuous in nature as in English Plan.

- i) Creation and strengthening of Hazardous Substances Management Structure in the State.
- ii) Accident Prevention and Emergency Preparedness and Preparation of the off-site emergency Plans.
- iii) The crisis management during chemical accident.
- iv) Notification of the new regulations and amendments of the existing acts and rules.
- v) Implementation of the various provisions of the notified rules on chemicals, wastes including Biomedical Wastes accident prevention and micro-organisms through regional workshops and interaction of the State authorities.
- vi) Hazardous Waste Management: Identification of sites for secured land fills for disposal of hazardous wastes generated in the States.
- vii) Management of municipal and industrial solid waste through various state government/Organisation by setting up of pilot plants.
- viii) Training of personnel on all aspects of hazardous substances management through identified institute.
- ix) Publication of documents and creation of public awareness on hazardous substances management.

35.0. BIODIVERSITY CONSERVATION

The scheme on Biodiversity Conservation was started during 1991-92 to ensure coordination among various agencies dealing with issues relating to conservation of biodiversity, and to review, monitor and evolve adequate policy instruments for the same.

Pursuant to the ratification of the Convention on Biological Diversity by India on 18February, 1994, several steps have been initiated to meet the commitments under the Convention . These efforts aim to bring the legislative, administrative and policy regime in tune with the three-fold objectives of the Convention.

(Rs. in Crores)

Programme	8 th plan outlay	Expdt.	Physical targets	Achievements	IX Plan outlay
Bio-diversity Conservation	1.50	0.95	Initiating preparation of Status Report, National Action Plan and legislation on Bio-diversity	Initiated preparation of Status Report, National Plan and Legislation on Bio-diversity	20.00

Goals set for IX Plan

- To facilitate implementation of National Action Plan on Bio-diversity.
- To provide grants-in-aid for capacity building for bio-diversity conservation
- Implementation of All India Coordinated project on Capacity Building in Taxonomy.
- Implementation of decisions of Conference of the Parties to the CBD.

36.0. CONSERVATION AND MANAGEMENT OF MANGROVES

The Scheme aims at the conservation and management of identified mangrove areas and its achievements during the VIII Plan and goals set for IX Plan are as under:

(Rs. in Crores)

Programme	VIII Plan Outlay	Expdt.	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
Conservation & Management of Mangroves and Coral Reefs	4.50	3.60	15 MAPs on Mangroves & 4 MAPs on Coral Reefs	12 MAPs on Mangroves & 4 MAPs on Coral Reefs.	7.50	15 MAPs on Mangroves and coral reefs and 4 Research Projects on Mangroves & Coral Reefs.

37.0. BIOSPHERE RESERVE

This scheme is intended to conserve representative ecosystems. 10 Biosphere Reserves have been set up. The achievement during the VIII Plan and goals set for IX Plan are as under:

(Rs. in Crores)

Programme	VIII Plan Outlay	Expenditure	Physical Targets	Physical Achievements	Ninth Plan Outlay	Goals set for Ninth Plan
Biosphere Reserves	12.00	11.69	Funding to state Govts. for identified items of activities in 8 Biosphere Reserve and initiation of new research projects in those reserves.	Proposals submitted by the State Governments were funded for approved items of activities in 8 Biosphere reserves. 32 research projects were also funded.	18.5	To design-ate 4 new sites as Biosphere Reserves and to assist State Governments for identified Biosphere Reserves.

38.0. INTERNATIONAL COOPERATION

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt.	IX Plan Outlay	Goals set for Ninth Plan
International Co-operation	49.18	122.89 (Excess is due to implementation of Externally aided Project, Indo-Canada Environment Facilities (ICEF))	193.00	1) Existing activities and contributions to International organisations will continue. 2) India Environmental Management Capacity Building T.A. Project at a cost of US \$ 61.48 million is under implementation by MoEF, DoD and Gujarat State Government.

Target/Achievements

In IC Division the expenditure is, mainly on Foreign Travel Contributions to UN and other International organisations and on the Externally Aided Projects, i.e., Indo-Canada Environment Facility(ICEF), World

Bank assisted India, Environment Capacity Building Project, projects under the UNDP-CCF, and the Delhi-Urban Environment Management Project.

39.0. ENVIRONMENTAL POLICY AND LAW

(Rs. in Crores)

Scheme/Activity	8th Plan Outlay	Expdt .	IX Plan Outlay	Physical Targets/Achievements	Goals set for Ninth Plan
1. Environment Policy & Law Scheme Activities: a) Environment Policy & Legislation b) Eco-mark scheme c) Comprehensive National Environment Policy d) Trade & Environment	0.25	0.15	0.25	* - -	Existing activities will continue - Publicity programmes - Financial Assistance to Comp. Testing programme. - Publication of notifications & development of criteria. Preparation of Comprehensive National Environment Policy. Holding seminars and preparation of position paper.
2. National Environment Tribunal	-	-	-	-	Setting up of benches of the NETA.

* Physical Target:

- a) Enactment of Acts. Publication of Notification under pollution Acts.
- b) Launch of public ity campaign. Development of criteria.

Physical Achievements:

- a) National Environment Tribunal Act. National Environment Appellate Authority Act. 10 notification published.
- b) 10 Project were awarded. 19 notification published.

40.0. INDUSTRIAL POLLUTION CONTROL PROJECTS: (EXTERNALLY AIDED SCHEMES)

WORLD BANK AIDED INDUSTRIAL POLLUTION PREVENTION PROJECT Phase-I (1991-97)

(Rs. in Crores)

- Training for SPCB personnel.
- Construction of CETPs.
- Awarded for Demonstration Projects.
- Award of projects under TA components.

Physical Achievements

a) Industrial Pollution Control Project

- Equipment under IFB 1A & B have been procured.
- Orders for some more equipment under IFB 11 have been placed.
- Laboratory has been constructed at UP, Tamil Nadu and Maharashtra PCBs.
- Training has been imparted to PCB personnel in the various subjects of Environment Management.
- 83 CETPs have been sanctioned.
- 12 Demo projects have been sanctioned.
- 21 small projects have been sanctioned under the TA components for feasibility studies etc.

41.0. TAJ PROTECTION MISSION

(Rs. in Crores)

Scheme/ Activity	8th Plan Outlay	Expdt.	Target/ Achieve - ments	IX Plan Outlay	Goals set for Ninth Plan	Remarks
Taj Protection Mission	--	--	--	200.00	*	In Phase-I of this scheme the under mentioned 10 projects will be implemented and in the Phase-II more project will be drawn in the context of the Protection of the Taj Mahal.

* Goals set for IXth Plan

As per the direction of the Hon'ble Supreme Court vide order dated 4.9.96 in the writ petition No.13381/84, the Government of Uttar Pradesh has formulated various projects under the scheme Taj Protection Mission for environmental improvement in the Agra, Mathura and Trapezium. The approved schemes are:

	(Rs. in Crores)
1) Improvement in Electric Supply at Agra Part-II	9.11
2) Improvement in Electric Supply in and around the rural areas of Agra and Fatehpur Sikri.	39.09
3) Water Supply Agra	72.80
4) Water Supply Agra	42.00
5) Gokul Barrage	12.50
6) Solid Waste Management	7.49
7) Storm Water System Agra	6.59
8) Construction of one part of Agra Bye-pass	10.65
9) Widening of Agra Bye-pass	0.75
10) Improvement of Master Plan of roads of Agra city	21.22
Total :	222.11

The above projects will be implemented under the scheme Taj Protection Mission.