

**CHAPTER II-C-3**

**TARGETS FOR 2005-2006**

**FORESTRY EDUCATION AND TRAINING**

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

(Rs. in crores)

Name of the activity	B.E.		Physical targets
	Plan	Non-Plan	
General Component	51.00	11.54	@
Education & Training			
North-East			

**@ Targets for 2005-2006 :**

As per the previous years, ICFRE institutes are under the process of making proposals for the projects to be approved at institute level and final approval at the headquarter level. Some projects in the pipeline are as below-

Studies on quality planting stock production in some medicinal plant species using mist propagation techniques, Assessment of the wood quality parameter in seed raised plantations of different age series of *Dalbergia sissoo* Roxb., Photo micrographic & microstructure atlas of Indian Hardwoods, Velocity gradient induced single glass modified solar kiln for drying of timber and NWFPs., Genetic evaluation of selected genotypes for exploring clonal forestry potential in *D.sissoo*, Technology development for commercial production of bamboo charcoal, Studies on seed source variation, determination of age of the trees and establishment of germplasm bank in Sandal, Assessment of seed quality in unimproved populations, seed production areas and seed orchards of *Tectona grandis*, Age dependent durability studies of plantation grown timbers, Standardization of sustainable harvesting practices of *Terminalia arjuna* bark, Sustainable management of medicinal plants in JFM areas in different agroclimatic zones of Madhya Pradesh, Studies on edible potential of some Indian Bamboo shoots, Effect of microbial inoculants on growth and productivity of Safed musli (*Chlotophytum borivillianum*), Documentation of traditional knowledge on ethno-medicinal uses from tribal herbal healers, vaidyas, ojhas & guniyas in Central Madhya Pradesh, Genetic improvement of *Acacia auriculiformis* through half-sib progeny selection, Genetic Improvement of Teak through Selection, Evaluation and Conservation, Seed biology of less known high value timber species, Studies on seed handling and storage behaviours of important NTFP species.

**160. INDIAN PLYWOOD RESEARCH AND TRAINING INSTITUTE (IPIRTI), BANGALORE**

(Rupees in Crores)

Sl. No.	Name of the activity	B.E.	Physical Target
1	Inputs to improve research capability in Labs. and experimental plant at IPIRTI	3.05	Pl. see details given under "Research Projects "A, B & C mentioned vide II C.2 for 2004-05
2	Research & Training Centre for Mechanical Wood Industries		-

3	Establishment of particle board and Oriented Strand Board		BOG has approved the projects under "C" - New Project Proposals approved by RAC on 18 <sup>th</sup> August 2004 subject to availability of funds. It may be noted that priority has to be given to take up this project as pilot plant building has already been constructed under IX Five Year Plan period
4	Preparation and printing of Techno-Economic feasibility report for the commercial production of Bamboo and employment of consultation for preparation of blue print of the industries layout for next 20 years.		

**161. INDIAN INSTITUTE OF FOREST MANAGEMENT (IIFM), BHOPAL**

(Rs. in Crores)

Name of the activity	BE		Physical Target
	Plan	Non plan	
01. Capital Expenditure	5.00	0.78	Construction of Balance woks of Boundary Wall of Campus, renovation of main gate, water supply tank and construction of road at vanika construction of concrete road by CCU.
02. Furniture Fixture & Machinery Equipment & Computer upgradation			Furniture for office classroom, hostel.
03. Library books and journals			Procurement of books & journals
04. Vehicle			
05. Salary,Wages&T.A			Regular expenditure.
06. Office & other Misc.Exp. including building maintenance			Regular expenditure of postage, Telephone, Vehicle maintenance ,Printing etc.& civil and electrical maintenance.
07. Electricity & Water charges & Security			Regular expenditure.
08. Bioaesthetic Expenses			Development and maintenance of garden,nursery,filling of soil, tree plantation.
09. Research Studies, Seminar & Workshops			To carry out ongoing research project and to undertake new projects.
10. Faculty Development			Academic exchange programme with national and international institutions

162. STATE FOREST SERVICE COLLEGES AND RANGERS COLLEGES

(Rs. in crores)

Name of the activity	B.E.	Physical Target
State Forest Service colleges and Rangers colleges	3.50(P) 2.50(NP)	
a) Two years Diploma Course in Forestry for SFS officers at State Forest Service College, Dehradun.		1 course.
b) Two Years Certificate Course for Forest Rangers in three colleges viz. State Forest Service College, Burnihat/Coimbatore & Eastern Forest Rangers College, Kurseong.		3 course.
C) Two weeks Refresher Course for in-service SFS officers with 30-35 participants in each course.		7 course.
d) Two weeks course on Computer Application (basic) in Forestry for in-service SFS Officers with 25-30 participants in each course.		7 course.
e) Two-weeks Advance Course on Computer Application in Forestry for in-service SFS Officers with 30-35 participants in each course.		4 course.
f) Two weeks Theme-Based Courses in Forestry for in-service SFS Officers with 25-30 participants in each course.		8 course
g) Two weeks course on Bio-diversity conservation & climate change for RFOs.		3 course.
h) Two weeks "Trainers Training" course with 20 participants in each course.		2 course.
i) Two weeks "Refresher Course" for Range Forest Officers with 30 participants in each course.		2 course.
j) Two weeks "Refresher Course" for in-service Deputy Rangers, Foresters and Forest Guards with 30-35 participants in each course.		6 course.
k) Courses for sister & other organizations on request.		On demand.
m) Six weeks "Promotion Linked Training" for A.C.Fs with 30 participants in each course( <i>subject to approval of ministry</i> ).		2 course subject to approval of the ministry.

163 IN-SERVICE TRAINING FOR IFS OFFICES

(Rs. in Crores)

Name of the Activity	BE	Physical Target
<b>One/Two-week Compulsory Training course for IFS officers</b>	1.50	About 2000 IFS officers will be imparted training through various courses in India for a duration of one/two-weeks and about 12 IFS officers will be sponsored for undergoing 9/12 months courses at IIPA- New Delhi/ MDI-Gurgaon.

#### 164. INDIRA GANDHI NATIONAL FOREST ACADEMY (IGNFA), DEHRADUN

(Rs. in crores)

Name of the activity	BE	Physical Targets
<b>IGNFA</b>	5.00 (Plan)	<ol style="list-style-type: none"> <li>1. Training of IFS probationers of 2002-2005, 2003-2006 and 2004-2007 course in different phases.</li> <li>2. Two Professional Skills Upgradation courses for IFS officer promoted from SFS.</li> <li>3. One compulsory course.</li> <li>4. AFM Courses for IFS Officers of 10 ,17 and 21 Years of Service.</li> </ol>
	2.76 (Non-Plan)	<ol style="list-style-type: none"> <li>1. Disbursement of salary and other allowances to the staff, officers and IFS probationers.</li> <li>2. Study Tour of IFS Probationers.</li> <li>3. Tours of staff and officers.</li> <li>4. Maintenance of Govt. Vehicles, POL charges, communication, stationary items, consumable stores and equipments.</li> <li>5. Permanent stores. <ul style="list-style-type: none"> <li>• Alteration and repairs.</li> </ul> </li> </ol>

#### SURVEY AND UTILISATION OF FOREST RESOURCES

##### 165. FOREST SURVEY OF INDIA (FSI)

(Rs. in Crores)

Name of the Activity	BE	Physical Target
<b>Survey and Utilization of Forest Resources</b>	<b>5.50(P)</b>	
<b>Forest Cover Assessment</b>	<b>5.77(NP)</b>	
<ol style="list-style-type: none"> <li>i) Data procurement</li> <li>ii) Data rectification</li> <li>iii) Data Classification</li> <li>iv) Ground verification</li> <li>v) Corrections, area calculation and map generation.</li> </ol>		<p style="text-align: center;">0</p> <p style="text-align: center;">215 Scenes</p> <p style="text-align: center;">265 Scenes</p> <p style="text-align: center;">200 Toposheets</p>

<b>Forest Inventory</b> i) Inventory Data Collection ii) Data checking & entry iii) Data processing & Output		30 Districts
<b>Inventory of TOF (Urban)</b> i) Inventory Data Collection ii) Data checking & entry iii) Data Processing & Output		30 District
<b>Inventory of TOF (Rural)</b> i) Procurement of PAN data ii) Image process. & Sample gen. iii) Inventory Data Collection iv) Data checking and entry v) Data processing & output		30 District
Resources Consumption Study		30 District
<u>Training</u>		100 Persons
Note: * For the Period Covering 10th Cycle (Nov) ** For the Period Covering 9th Cycle (Previous)		

#### 166. FOREST PROTECTION AND REGENERATION

(Rs. in Crores)

Name of the Activity	BE	Physical Target
<b>Integrated Forest Protection Scheme</b>	Nil	No provision has been made for 2005-06.

#### 167. FOREST CONSERVATION

(Rs. in Crores)

Name of Activity	BE	Physical Target
Financial	6.00	
1. Monitoring of projects approved under FCA 1980 for compliance of stipulated conditions		950
2. Monitoring of projects approved under FPA, 1980 for compliance of stipulated conditions.		400
3. Disposal of proposals for diversion of Forest land up to 5 ha proposal above 5 ha to 40 ha land under FC 1980		All cases received from the user agencies through State Govts. for diversion of forest land within six weeks.
4. Site inspection of projects in all State/Uts.		All cases referred by the Ministry within 30 days.
5. Participation in the other meeting at State/Uts		All working plans referred by the State Govt. to Regional Offices to be finalized within 2 months as per the Ministry's Guidelines.
6. Assisting Paryavaran Vahin in the capacity of observer and technical advisors.		All work.

**WILDLIFE****168. STRENGTHENING OF WILDLIFE DIVISION AND CONSULTANCIES FOR SPECIAL TASKS**

(Rs. in Crores)

Name of the activity	BE	Physical Target
Strengthening of Wildlife Division and Consultancies for Special Tasks	4.00	No physical target can be taken as Regional Offices salary, Office expenditure and domestic travel expenditure are being paid under this scheme. Funds are also provide for consultancies for special task as and when there is a proposal for the same.

**169. ASSISTANCE FOR DEVELOPMENT OF NATIONAL PARKS AND SANCTUARIES**

(Rs. in Crores)

Name of the activity	BE	Physical Target
Assistance for Development of National Parks/ Sanctuaries	49.00	390 PAs

**170. WILDLIFE INSTITUTE OF INDIA (WII)**

(Rs. in Crores)

Name Of Activities	BE	Physical Target
WII	10.00(P)	
M.Sc.	1.45(NP)	8
PG Diploma Course in Wildlife Management		30
Certificate Course in Wildlife Management		30
Research Projects		40

**171. PROJECT TIGER**

(Rs. in Crores)

S.No.	Name of the Activity	BE	Physical Target
I	B5(ii) Wildlife Project Tiger	29.50	It is proposed to continue the activities under the PT scheme with such modifications as approved within the budget sanctioned.
II.	ECO DEVELOPMENT SCHEME		This scheme have been merged with Project Tiger Scheme during Xth Five Year Plan.
III.	BOTD		This scheme have been merged with Project Tiger Scheme during Xth Five Year Plan.

**172. INDIA ECO-DEVELOPMENT PROJECT**

(Rs. in Crores)

Name of the Activity	BE 2005-06	Physical Target

<b>India Eco-development Project</b>	No provision has been asked in BE in 2005-06 as the project has been closed on 30.6.2004	----
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### 173. PROJECT ELEPHANT

(Rs. in Crores)

Name of the activity	BE	Physical targets
Project Elephant	12.09	The physical targets will be as per Annual Plan of operations submitted by Elephant Range States.

### 174. CENTRAL ZOO AUTHORITY

(Rs. in crores)

Name of the Activities	BE	Physical Target
Central Zoo Authority	13.00	1.Grants to Zoo ( including NZP) 7.25 2. Feeding and Health care of rescued animals 5.00 3. Research Projects 0.25 4. Strengthening of Veterinary Institutes 0.50 5. Training, Workshops and conferences& Education. 0.40 6. Grant for NE Region & Sikkim 4.00 7. Operational Cost of CZA 0.65  <b>TOTAL 18.05</b>

#### The Physical targets for 2005-2006 :

1. To evaluate zoos for renewal of recognition
2. To provide technical and financial assistance to Zoos to achieve prescribed standards,
3. To undertake research projects on various aspects of Zoo Management and Vet. Health Care.
4. To coordinate proposals for exchange of animals amongst the Zoo for planned breeding programme
5. To organize training courses and workshops for capacity building of zoo personnel.
6. To provide financial assistance for sustaining the diagnostic facilities created at veterinary institutions.
7. To provide financial assistance for upkeep and feeding of rescued circus animals kept at the rescue centres.

### 175. NATIONAL ZOOLOGICAL PARK

( Rs. in Crores)

Name of Activity	BE	Physical Target
Development Activity in National Zoological Park.	1.50(P) 3.54(NP)	i)Celebration of Wildlife Week & Van Mahaotsava ii) Conduction of various seminars & Teacher Oriented Programme

		iii) Publication of Guide Map, Annual Report, Stickers etc. iv ) Preparation of Signage. v) Maintaining the Health & Hygienic Environment for Zoo Animals. vi) Exchange of various animals with India & Foreign Zoo for Plan Breeding Project. vii) Upkeep of animals and their enclosure. viii) Providing facilities to the visiting public **For the Capital construction work executed through CCU / CPWD, the list is attached as annexure 'A'
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#### 176. PROTECTION OF WILDLIFE OUTSIDE PROTECTED AREAS

(Rs. in Crores)

Name of the activity	BE	Physical Targets
Protection of wildlife outside protected areas	NIL	Scheme not approved by Planning Commission

#### 177. ANIMAL WELFARE DIVISION

(Rs.in Crores)

Name of the Activity	Allocation	Physical Target
AWBI	19.00 (P)	Assistance to 2,200 AWOs
Shelter	0.65 (NP)	Shelter House – 50 Animal Houses – 15 Rescue Centres – 5 Activation of SPCAs – 30 Activation of SAWBs – 10 Workshops – 5
Ambulance		45
ABC		95,505(Dogs Sterilization) 800 (Sanitization & Medication of Monkeys)
NIAW		Completion of the Building & other infrastructure.
CPCSEA		Conduction of Workshops and monitoring of Animal Houses
Natural Calamity		As per requirement
Scholarship		Nil

**178. NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD (NAEB)**

(Rs. in Crores)

Name of the Activity	BE	Phy. Target (in ha.)
1. National Afforestation Programme (NAP)	236.85	1,20,000*
2. Eco Development Forces (EDF)	8.00	4 ETF battalions
3. NAEB**	24.00	

\*This would be the area of the FDA projects to be approved during 2005-06. The FDA projects received during the previous years would continue to receive funding during 2005-06 too.

\*\* Includes provision for proposed restructuring of Grants in Aid to Voluntary Agencies to take into account the Greening India activity also.

**179. NATIONAL RIVER CONSERVATION DIRECTORATE**

(Rs. in Crores)

Name of activity	BE	Physical Target
1.NRCD(Estt.)	5.00	
1. 2. NRCP	347.50	No specific target was fixed so far.
3. NLCP	68.00	No specific target was fixed so far.
<b>Total</b>	420.50	

**ECOLOGY & ENVIRONMENT**

**180. BOTANICAL SURVEY OF INDIA (BSI)**

(Rs. in crores)

Name of the activity	Budget Estimate		Physical Target
	Plan	Non Plan	
<u>BOTANICAL SURVEY OF INDIA</u> (Survey, Inventorisation & Conservation of floristic diversity of India)	11.00	12.78	-
1. Exploration Surveys (Domestic Travel Expenditure under research & investigation)			80 field tours and 20 herbarium consultation tours.
2. Collection of Specimens			Target cannot be fixed

3.	Preservation of specimens			-do-
4.	Specimens identified			-do-
5.	Documentation of Phytodiversity (National Flora, Regional Flora, State Flora & District Flora)			
6.	Documentation of Traditional knowledge of plants (Ethnobotanical Studies)			
7.	<i>Ex-situ</i> conservation of endangered, endemic, economic & ornamental plants			Target cannot be fixed
8.	Publications (Books & Journals)			One publications each of Flora of India, Fascicles of Flora of India, State Flora, District Flora, Bulletin of BSI, ÉxÉ°{ÉÊiÉ ÉÉhÉÒ, and three other publications

### 181. ZOOLOGICAL SURVEY OF INDIA (ZSI)

(Rs. in crores)

Name of the Activity	B E	Physical Targets
<b>Exploration &amp; Survey of Faunal Resources</b>	9.81(P) 9.79(NP)	<b>60 Surveys</b>
<b>Status Survey of Endangered Species</b>		Status survey of 3 species (8 Surveys)
<b>Taxonomic Studies of State Fauna</b>		38 Surveys covering Arunachal Pradesh, Bihar, Andhra Pradesh, Tamil Nadu, Madhya Pradesh, Kerala, Karnataka, Gujarat, Maharashtra, Rajasthan , & Andaman & Nicobar Islands ( Total of 50 districts )
<b>Renovation of H Q's &amp; Regional Musea</b>		Regional of 5 Regional Stations will be strengthened.
<b>Computerization of Data</b>		National Zoological collections of Head Quarters & Regional Centres will be continued as it is an ongoing programme.
<b>Training &amp; Extension Services</b>		Two
<b>Publication - 33 books</b>		Rec. ZSI Vol- 104, Occ. Papers –10 books., Fauna of India – 2 books State Fauna – 6 books Bibliography – 1 book, Wetland series – 1 books Conservation area – 2 books Handbooks - two Annual Reports – 1 Nos. Special Publications – 1 Others – 2 books
<b>Sale of Publication</b>		6.5 Lakhs

### 182. NATIONAL MUSEUM OF NATURAL HISTORY (NMNH)

(Rs. in Crores)

Name of the Activity	B.E.	Physical target
<p>National Museum of Natural History, New Delhi</p> <p>Acquisition of land and construction of building</p> <p>Creation of infrastructure and updating exhibits. (viz. Redoing of Bird Section at 1<sup>st</sup> Gallery, Renovation of Biomes, Globe, Everything that needs Energy and introduction of Water Section at 3<sup>rd</sup> Floor gallery).</p> <p>Educational &amp; Extension services.</p> <p>Advertisement &amp; Publicity.</p> <p>Implementation and development of E-governance &amp; interactive Multimedia facility at NMNH &amp; RMNH</p>	<p>6.50(P) 0.68(NP)</p>	<p>Full efforts will be made to get a piece suitable land allotted for the Museum through the Ministry of Urban Development</p> <p>To continue the work to create necessary infrastructure and updating the exhibits</p> <p>To undertake the various indoor/outdoor educational activities as per the laid down Calendar of Events.</p> <p>To put hoardings on the main Bus Stops of the city and to put advertisement Kiosks near the Schools.</p> <p>Planning for creation of IT &amp; Multimedia facility at NMH/RMNH including procurement of IT Tools &amp; Softwares and establishment of the 1<sup>st</sup> phase facility.</p>
<p><b>Regional Museum of Natural History, Mysore</b></p> <p>2nd Phase of Gallery Development</p> <p>Educational &amp; Extension services</p> <p>Publication.</p>		<p>Target planning exhibits for 2nd Phase Gallery.</p> <p>To continue the various educational and extension services through out the year (viz. World Braile Day, World Science Day, Forest Day, International Museum Day, World Environment Day &amp; Summer Study Programmes)</p> <p>Publication of museum literature in Hindi, English and south Indian languages other than Kannada language.</p>

<p><b>Regional Museum of Natural History, Bhubaneswar</b></p> <p>Gallery Development</p> <p>Extension of educational activities.</p> <p>Development of Central impact Exhibit &amp; Open Air Exhibits.</p> <p>Modernization of Library.</p> <p>Establishment of digital Photo Lab.</p>		<p>Planning, collection, documentation and execution of IInd Phase Gallery.</p> <p>Inhouse and outreach educational programmes for the school children.</p> <p>Development of Central Impact Exhibit and Open-air Exhibits in the garden with effective Solar Lighting System.</p> <p>Procurement of books, CDs, photographs and computerization of Library.</p> <p>Establishment of Digital Photo Lab and procurement of Audio/Video Systems.</p>
<p><b>Regional Museum of Natural History, Bhopal</b></p> <p>Development of IInd Phase Gallery.</p> <p>Development of Central Courtyard Exhibits.</p> <p>Development of Replica of Bhim-Betika &amp; open air diorama at the entrance of 2nd Gallery to the adjoining outside open area.</p> <p>Development of two mini courtyards adjoining to Discovery and 1<sup>st</sup> Gallery.</p> <p>Educational &amp; Extension programmes including Temporary Exhibition</p> <p><b>Development of Website for RMNH, Bhopal</b></p>		<p>Preparation of Lay-out design for the Gallery for APC approved.</p> <p>Call for open Tender and award of work to be completed.</p> <p>-do-</p> <p>-do-</p> <p>To extend the educational activities for the school children and general visitors as well as organising exhibitions on “Water” and “Wonderful World of Butterflies”.</p> <p>Web site about RMNH, Monthly activities etc and Regular update and maintenance.</p>

**183. ENVIRONMENT EDUCATION AWARENESS & TRAINING**

(Rs. in Crores)

Name of the activity	BE	Physical Target
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<b>1. Env. Edu. &amp; Trg.</b> I) National Environment Awareness Campaign (NEAC)@ II) Eco-clubs@ III) Seminars/Symposia/Workshops @ IV) Grants in aid to the professional societies & institutions and publication of resource material.	32.50(P) 0.02(NP)	The existing programmes will be continued
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#### 184. ENVIRONMENTAL INFORMATION SYSTEM (ENVIS)

(Rs in crores)

Name of the activity	B.E.	Physical Target
ENVIS	4.50(P) 0.19(NP)	*

##### \* Physical Target

- Recurring grant to all the 25 established Envis Centres will be released.
- 65 ENVIS Nodes setup under EMCBTA Project will be incorporated as ENVIS Centre after review & modification and approval of SFC.
- Paryavaran Abstract Vol. 22 will be published
- Annual Report of the Ministry (2004-2005) will be coordinated and published
- ENVIS–Newsletter namely “ENVIRONEWS” disseminating information on various activities, enactment of rules and its amendments, clearance of the projects, etc., will be published.
- The website <http://www.envis.nic.in> will be continuously updated for ENVIS Network in order to disseminate updated information electronically.
- An exclusive ENVIS e-mail id for ENVIS Centres will be provided and made functional.
- Website of new ENVIS Centres not developed so far will be got developed and all ENVIS Centres will be linked to the ENVIS homepage
- The website <http://sdnp.delhi.nic.in> developed under Sustainable Development Networking Programme (SDNP) will be continued to be updated to provide information on 25 existing “Thematic Areas” on environment and related subjects/issues.
- Performance Evaluation workshops will be conducted for ENVIS Network partners including the ENVIS Nodes set up earlier under EMCBTA Project with World Bank support to enhance the capacity of each network partner.
- A few new Network Partners on the new areas on environment not covered so far would be identified and added in the Network.

#### 185. CENTRES OF EXCELLENCE

(Rs. in Crores)

Name of the scheme	BE	Physical Target
Centres of Excellence	7.50(P) 1.39(NP)	There are nine Centres of Excellence under the Scheme, in different thrust areas of environment. All the Centers continued their ongoing activities in respective fields, as approved by respective Governing Councils/Board of Governors.

**186. NATIONAL NATURAL RESOURCE OF MANAGEMENT SYSTEM (NNRMS)**

(Rs. in Crores)

Name of the activity	B.E.	Physical Target
NNRMS	10.00	*

**\* Physical Target**

In the backdrop of recommendations emanating from the Peer Review Committee of Remote Sensing and GIS Applications in the fields of forestry and environment, the 19<sup>th</sup> Meetings of Standing Committee of NNRMS SC-B recommended four new projects (I) Forest Type Mapping, of India's Forests, (II) Mapping of Wildlife Sanctuaries and National parks,(III) Coastal Studies (including mangroves and Coral reefs);and (IV) Snow and Glaciers studies. Projects on Forest Type mapping of India's Forests and Mapping of Wildlife Sanctuaries & National Parks have been launched during 2003-2004 and the projects titled Coastal Studies (including mangroves and Coral reefs) and Snow Glacier Studies with the total cost of Rs. 15.75 Crore and Rs. 9.96 crore respectively are in the pipeline.

Efforts will be made to support the research activities involving GIS and remote-sensing technology under identified priority areas. During the year, it is targeted to evaluate and monitor 30 ongoing projects supported under the scheme.

**187. ENVIRONMENTAL IMPACT ASSESSMENT**

During the year 2005-2006, the major activities will be as follows:

- (1) studies under CRZ Regulation
  - Digitization of Coastal Zone Management Plans for Coastal Stretches.
  - Mapping and digitization of Ecological stretches along the coasts of andaman,Nicobarand Lakshadweep Islands.
  - To study the effects of mining of sand and rocks from coastal stretches of Andaman and Nicobar.
  - To quantify the availability of alternative sources of building materials main off CRZ area in Andaman and Nicobar Islands.
  - To identify map ,digitise and prepare integrated coastal zone management plans for coastal stretches demarcated as Special Tourism Areas.
  - To identify map, digitise and prepare integrated coastal zone management plans for coastal stretches demarcated as Special Economic Zone.
  - Preparation of Integrated Coastal Zone Management Plans for the coastal states.
- (2) Reengineering of Environmental Clearance Process:
  - Capacity building through workshops, preparation of manuals etc.

Strengthening of Environment Information Centre.

(Rs. in Crores)

Name of the Activity	BE	Physical Target
Environment Impact Assessment (EIA)	2.50(P) 0.05(NP)	The objective of Impact Assessment division is to assess the environmental impacts of development projects which are referred to this Ministry. As such no physical target is fixed

**188. CLEAN TECHNOLOGY**

(Rs. in Crores)

<b>Name of the Scheme</b>	<b>BE</b>	<b>Physical Target</b>
<b>Development and promotion of clean technology</b>	1.50	To take follow-up action on the out come of various studies undertaken under this programme. To promote further demonstration projects relating to cleaner technologies

**189. INDUSTRIAL POLLUTION ABATEMENT THROUGH PREVENTIVES STRATEGIES**

(Rs. in Crores)

Name of the Activity	B.E.	Physical Targets
Industrial Pollution Abatement through Preventive Strategies	1.00	Preparation for environmental audit update Sectoral guidelines.

**190. ASSISTANCE FOR ABATEMENT OF POLLUTION AND ENVIRONMENT POLICY & LAW**

(Rs. in Crores)

Name of Activity	BE	Physical Targets
<b>I. Assistance for Abatement of Pollution, Environment Policy &amp; Law</b>	<b>4.00</b>	
<b>Environment Policy &amp; Law</b>		
<b>Environment Policy &amp; Legislation</b>		Formulation of 'National Environment Policy' and its implementation
		Review of Amendment of Environment (Protection) Act, 1986
		Enactment of the Water (Prevention and Control of Pollution) Cess (Amendment and Validation) Bill, 2004'
<b>Eco-Mark Scheme</b>		Emphasis will be laid on publicity to create awareness by organizing workshops in every State. Special thrust will be given on the education and creation of awareness building amongst the consumers by providing financial assistance for execution of the ECO MARK related activities
<b>Trade &amp; Environment</b>		Multilateral Agreements, WTO Agreements, Environmental Certifications, National Environmental Standards and their implications on trade and vice versa etc.) including country-specific case studies will be undertaken with the help of concerned ministries and institutions. Proposals to be examined within the ambit of WTO and GATT so far as it relates to Environmental services vis-à-vis trade.
<b>Pollution Control Incentives for Budget proposal</b>	This is a on-going activity. After collecting information from various stakeholders, the recommendation to be sent to M/O Finance on annual basis.	
<b>Assistance for Abatement of Pollution</b>	Financial assistance to states for purchase of equipment, studies, projects, salary support for UT PCCs and NE SPCBs etc. to meet the objectives of the Policy Statement for Abatement of Pollution including Environmental Health	

**191. CIVIL CONSTRUCTION UNIT (CCU)**

(Rs. in Crores)

S.No	Name of the Activity	B E	Physical Target
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			(no. of works)
<b>A Major Head '4406' Forestry &amp; Wild Life</b>			
1	SFSC		7
2	IGNFA		1
3	FSI		-
4	R.O		1
	<b>Total</b>		9
<b>B Major Head '4552' North Eastern Areas</b>			
1	Lum-sum provision for Projects/Schemes of North Eastern Areas including Sikkim	-	-
<b>C Major Head '5425' Ecology &amp; Environment</b>			
1	BSI		11
2	ZSI		3
3	NMNH		3
	<b>Total ( C )</b>		17
	<b>Grand Total (A+B+C)</b>	10.92	26

## 192. CENTRAL POLLUTION CONTROL BOARD

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
Pollution Assessment Survey & Monitoring	39.00(P) 7.57(NP)	National Water Quality Monitoring Network at 784 locations covering rivers, lakes and ground water and 295 Ambient Air Quality Monitoring Stations at 92 cities/towns through concerned SPCBs would be continued. Implementation of action plan for restoration of environmental quality. Assessment of polluted river stretches, bio-monitoring of national aquatic rivers
Laboratory Management		Continuation of strengthening of analytical laboratory for critical parameters, standardisation of methodology for sampling (active & passive) & analysis of Benzene, analysis of parameters relating to bio-medical waste, hazardous waste, plastic waste, municipal solid wastes, analytical quality control (AQC) for Central & SPCBs/PCCs labs recognised under EP Act, bio-monitoring of rivers/lakes for assessment of water quality
Development of Standards, Guidelines and Ecomark		Revision/review of emission/effluent standards in respect of highly polluting industries
Training		To undertake training programmes for benefit of SPCBs/PCCs regional level training programmes relating to Environmental Prevention and Control would be conducted through expert institutions & agencies. Some of the training programmes would be sponsored.

Information (Data Base) Management & Library		Upgradation of Local Area Network/Wide Area Network through NIC. Extension of Network services. Development of Software for preparation of Water & Air Quality reports as per revised standards
Pollution Control Enforcement		A number of ongoing schemes such as ensure compliance of effluent/emission standards in 17 categories of highly polluting industries. Implementation of action points for restoration of environmental quality in critically polluted areas. Implementation of municipal solid waste management rules, recycled plastics and usage rules biomedical waste management rules Implementation of Corporate Responsibility of Environmental Pollution (CREP) etc will be carried.
Pollution Control Technology		Emphasis would be given to develop/review the various treatment technologies for abatement of pollution such as Land application of reverse osmosis technology for treatment and recycling of water & wastewater. Inventory of persistent organic pollutants (POPs). Comprehensive Approach for management of sewage. Vehicular and noise pollution control. Development of technology for plastics wastes, municipal wastes and bio-medical wastes
Mass Awareness, Publication and NGOs		The activity includes publication of reports, documents, and newsletters on various topics/subjects. Besides, a number of other activities such as organising exhibitions, putting stalls in various exhibition and sale of publication, distribution of water testing kits to NGOs/Schools etc. would be taken up.
Hazardous Waste Waste Management		A number of new schemes such as grant of registration to recycling and reprocessing units having environmentally sound facility. Identification of hazardous waste streams in various sectors/ processes as per hazardous waste management rules, 2003. Evaluation of hazardous wastes pre-treatment and its leachate. Guidelines for recycling and reprocessing of waste/used oil and non-ferrous wastes. Implementation of CREP recommendations.

### 193. ASSISTANCE TO BOTANIC GARDENS

(Rs. in Crores)

Name of Activity	BE	Physical Targets
Assistance to Botanical Gardens	2.00	30 Botanical Gardens to be supported

### 194. RESEARCH AND ECOLOGICAL REGENERATION

(Rs. in Crores)

Name of the activity	BE	Physical target
<b>RESEARCH AND DEVELOPMENT</b>	4.00	Initiation of new projects--60 Servicing of on-going projects-160 Review of on-going projects-160 Preparation of executive summary of completed projects –20

\* Including Rs. 62 lakhs as salary expenses of MOEF.

During the year 2004-05 against a target of 35 new projects, 40 projects have been recommended by the Advisory Committees for funding under R&D scheme. These would be processed for funding after finalization of the priority areas on Research.

Separate budget of Rs. 20 lakhs for NE region earmarked for various activities under the R&D scheme and an amount of Rs. 8 lakhs have been incurred up to 31.10.2004.

**195. G.B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT AND DEVELOPMENT**

(Rs. in Crores)

Name of the activity	BE	Physical Targets
G.B. Pant Institute of Himalayan Environment & Development	7.50	Continuation and strengthening of ongoing R&D activities under priority areas approved by SAC and Governing Body and completion of construction activity for the strengthening of the existing campuses.
<ul style="list-style-type: none"> <li>• R&amp;D and other expenditure</li> <li>• Construction of Building</li> </ul>		
Integrated Action Oriented Eco-development Research Programme (IERP) for Himalayan Region		Continuation of ongoing projects, sanction of new projects and organization of IERP workshop(s)/ PEC meeting(s).
TOTAL		

**196. HAZARDOUS SUBSTANCES MANAGEMENT**

(Rs. in crores)

Name of the Activity	BE	Physical Target
<b>Hazardous Substance Management</b>	6.00	*

Physical Target for 2005-2006

- Finalisation of the comprehensive National Chemical Profile.
- Continuation of District Hazard Analysis Studies and preparation of off-site Emergency Plans.
- Implementation of GIS based Emergency Planning and Response Studies in selected industrial pockets.
- Continuation of the project “Vulnerability and risk assessment of transportation of hazardous chemicals in selected stretches/transport corridors”.
- Setting up of Emergency Response Centres.
- Providing support to Poison Control Centres.
- Preparation of National & State Inventories on hazardous wastes as per HW Amendment Rules 2003.

- Provision of support to the setting up of common facilities for Treatment, Storage and Disposal of Hazardous Wastes (TSDF).
- Inventorization of illegal hazardous wastes dump sites & preparation of remediation plans for the same.
- Harmonization of Rules and Policies on hazardous wastes with the EXIM Policy to regulate the export/import of hazardous wastes and minimize their trans-boundary movement.
- Banning the import & export of hazardous wastes listed in Annexe 8 of the Basel Convention, in phases.
- Setting up of Demonstration Plants for Management of Municipal Solid Wastes including Plastic Wastes.
- Preparation of guidelines on Fly-ash utilization.
- Strengthening of SPCBs/PCCs in order to facilitate proper implementation of Rules related to hazardous substances management.
- Continuation of on-going project & studies on the 3 thrust areas and initiation of new projects/studies.
- Continuation of training programmes/awareness activities on important issues under the 3 thrust areas, as well as on various Rules & their amendments.
- Effective implementation of existing Rules. Amend existing Rules, wherever necessary to strengthen and rationalise them.
- Continuation of work relating to preparation of Guidelines/Guidance documents for various Rules.
- Continuation of fulfillment of obligations under the 3 international Conventions namely Basel, POP and PIC.
- Monitoring of the activities of the ship breaking industry to ensure that it is done in an environmentally sound manner.
- Organization of regular meetings of the Supreme Court Monitoring Committee & filing of quarterly reports to the Hon'ble Supreme Court.
- Implementation of other time-bound tasks & activities in the area of hazardous waste management, contained in the directions of the Hon'ble Supreme Court in the matter of WP657/95, delivered on 14<sup>th</sup> October, 2003.

#### 197. BIO-DIVERSITY CONSERVATION

(Rs. in Crores)

Name of Authority	BE	Physical Target
Bio-diversity Conservation	3.00	*

##### \*Physical Target

- Follow up on the Biodiversity Rule 2004.
- Strengthening of National Biodiversity Authority.
- Preparation of final report of the National Bio-diversity Strategy and Action Plan ( NBSAP);
- Cartagena Protocol on Biosafety.
- Matters relating to the Genetic Engineering Approval Committee ( GEAC), GM.

#### 198. CONSERVATION AND MANAGEMENT OF WETLANDS, MANGROVES AND CORAL REEFS

(Rs in Crores)

Name of the activity	BE	Physical Target

Implementation of MAPs of identified Wetlands + 38 newly identified wetlands and research projects	11.00	MAPs on 27 identified Wetlands + 38 newly identified wetlands and R&D activities
MAPs on Mangroves & coral reefs		MAPs on Mangroves & Coral reefs and sanctioning of research projects.

#### 199. BIOSPHERE RESERVES (BRs)

(Rs. in Crores)

Name of Activity	BE	Physical Targets
MAPs and Research on BRs	7.20	15 MAPs on BRs and 10 new research projects

#### 200. INTERNATIONAL COOPERATION

(Rupees in Crores)

Name of the Activity	BE	Physical Targets
India Canada Environment Facility.	2.00(P) 1.39(NP)	The project will be implemented with the available funds in ICEF.
IC activities.		Existing activities will continue.
State of Environment Scheme.		-Do-

#### 201. ADAPTATION & CAPACITY BUILDING PROJECT ON CLIMATE CHANGE

(Rs. in crores)

Name of Activity	BE	Physical Targets
<b>Adaptation &amp; Capacity Building Project on Climate Change</b>	2.16	Capacity building at appropriate levels for taking Climate Change considerations in social, economic and developmental planning.
		Promotion of scientific and technological research and systematic observation with a view to furthering understanding of climate change.
		Holding of meetings of Climate Change Core Group.
		Holding of meetings of National CDM Authority to consider CDM project for grant of Host Country Approval.
		Interaction with other countries at bilateral, multilateral and at various international forums, like COP to UNFCCC, IPCC, etc., would be held to safeguard India's interests on the issues relating to climate change.

**202. ESTABLISHMENT OF ENVIRONMENT AUTHORITIES, COMMISSIONS AND TRIBUNALS.**

(Rs. in Crores)

Name of Activity	BE	Physical Targets
<b>II Establishment of Environment Authorities &amp; Environment Commission &amp; Tribunal</b>	4.00	
<b>Environment Commission &amp; Tribunal ( the main Scheme is being handled by IA &amp; CP Division)</b>		This is a continuing scheme, instituted after the enactment of National Environment Tribunal Act in 1995. The scheme could not be operated because of the Act could not be put into force. It is expected that the scheme will be operationalised early. In the first phase, the Principal Bench of the Tribunal would be set up at New Delhi. Thereafter, progressively other Benches of the Tribunal would be set up.