

**CHAPTER II-C-3**

**TARGETS FOR 2004-2005**

**FORESTRY EDUCATION AND TRAINING**

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

**(Rs. in crores)**

<b>Name of the activity</b>	<b>B.E.</b>	<b>Physical targets</b>
<u>General Component</u>	32.00	@
Education & Training		
North-East		

**@ Targets for 2004-2005 :**

Some of the important research themes for the year 2004-2005 are as follows -Efficacy and economics of water harvesting practices in enhancing biomass productivity and ground water recharge in different regions of Rajasthan and Gujarat. Screening of high oil and azadirachtin in Neem, Genetic Improvement of *Tecomella undulata*, Assessment of Shisham die-back (decline) in Northern India and its remedial measures. Economics of cultivation of commercially important medicinal plants, To study the socio-economic constraints to "People oriented forestry programmes" in Eastern Uttar Pradesh, Development of Ecologically viable & Socio-Economically acceptable integrated model for checking willow (*Salix* species), mortality in Lahaul valley of Himachal Pradesh. Diagnostic study of Indigenous and institutionalised participatory forest management in Himachal Pradesh to assess the most viable approach and its impact on forest conservation. Estimation of gene diversity and enhancing seed production in seed orchards of Eucalyptus, *Casuarina*, *Acacia* and teak. Enhancing productivity of casuarina through inter provenance & inter specific hybridisation. Creation of germ plasm resource bank of threatened medicinal plants of Darjeeling Himalayas. Carbonisation of selected fuel wood species .Seed studies on some of the economically important species of western ghats. Estimation of variability in *Pterocarpus marsupium* and germplasm collection. Reclamation of highly eroded site of Cherrapunjee, Meghalaya. Ecological studies on *Dipterocarp* forest of Gibbon Wild life sanctuary of Assam. Evaluation of management systems and level of community participation under Joint Forest Management. Reclamation, rehabilitation and management of mined out areas through application of technological packages for sustainable livelihood of rural communities, Standardization of the cultivation technique and utilization of *Laccate stipitate* species of *Ganodermataceae*.

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

**(Rupees in Crores)**

<b>Sl. No.</b>	<b>Name of the activity</b>	<b>B.E.</b>	<b>Physical Target</b>
1	Inputs to improve research capability in Labs. and experimental plant at IPIRTI	2.50	The research and development activities to be initiated during the year have been listed from Sl.Nos. 1 to 14 below
2	Research & Training Centre for		-

	Mechanical Wood Industries		
3	Building (campus improvement)		-
4	Establishment of particle board and finger jointing plants		BOG has approved the projects under Sl. No.4-7 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
5	Establishment of a National Information Centre for Wood Composite (MCWOOD).		
6	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.		

#### TARGET 2003-2004

##### A) RESEARCH PROJECTS APPROVED BY THE BOG

1. Design and development of low cost houses using bamboo shelters in collaboration with TRADA Technology (DFID/KAR.7140)
2. Evaluation of Lindane 20 EC as a glue line additive for protection of plywood (M/s.Kanoria Chemicals & Ind. Ltd.,)
3. Evaluation of Dursban 50 TC as glue line additive to protect plywood (M/s.DENOCIL)
4. Field Demonstration & Development of bamboo based composites/panels or housing in NE region sponsored by MoEF (implemented in collaboration with BMTPC)
5. Application of Finger Jointing techniques in Product Development using plantation species (BMTPC)
6. Evaluation of suitability of plantation grown timbers from Tamil Nadu for the manufacture of plywood.
7. Development of moulded articles (Trays) from coir non woven felt. (Coir Board, India)
8. Development of Laboratory scale technology for making products from Chir pine needles
9. Development of marine shuttering and film faced plywood from *Silver Oak (Gravillia Robusta)* (New project) sponsored by M/s. Tata Coffee Ltd.
10. Development of Transfer of Technology Model for Bamboo Matchsticks sponsored by INBAR
11. Evaluation of Bifenthrin against borers and termites for protection of wood and plywood
12. Development of Window/Door frame from small size sal poles using Finger Jointed technique
13. Development of I-Beam using laminated veneer lumber made from plantation timbers and bamboo mat board – An exploratory study sponsored by BMTPC
14. Up scaling of lab. Technology for making panels from banana sheath developed by Regional Research Laboratory, Trivandrum and approved by BMTPC

##### B) Projects approved for capacity building under 10<sup>th</sup> Five Year Plan, subject to availability of funds:

1. Establishment of Research and Training Facilities for Manufacture of Particle Board. Priority has to be given to take up this project as pilot plant building has already been constructed under IX Five Year Plan period.
2. Up scaling of Technology for Bamboo Laminates for furniture and structural uses

3. Strengthening of facilities for testing of composites from wood and other natural fibers including Bamboo
4. Establishment of Mobile Saw Doctoring Unit for Training and Demonstration

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

(Rs. in Crores)

Name of the activity	BE	Physical Target
<b>IIFM</b>	4.00	
01. Building Construction		Construction of Boundary Wall ,Road and Site development ,development work, Staff & Faculty quarters.
02. Furniture Fixture & Machinery Equipment & Computer upgradation		Purchase of computers, Upgradation of computer, purchase of generator purchase of furniture for class room and hostel and other purchases.
03. Library books and journals		Procurement of 600 books & 210 journals
Vehicle		Replacement of Vehicle
04. Salary, Wages &T.A		Regular expenditure.
06. Office & other Misc. Exp.		Regular expenditure of postage, Telephone, Vehicle maintenance ,Printing etc.
07. Electricity & Water charges & Security		Regular expenditure.
08. Bio aesthetic Expenses		Development and maintenance of garden, nursery, filling of soil, tree plantation at vanika
09. Education & Training MDF/Course & Seminar/PGP/MRM		25,MDPs, 8,Workshops, 5,Seminars ,Expenses related to field trip, OT & placement of PGDFM Student ,Felloship to MRM Student and other expenses.
10. Research studies and Consultancies		To carry out ongoing research project and to under take new projects.
11. New Initiates		Establishment of centre for education in natural resource management, National forest data centre, policy cell etc.
12. Maintenance of Building & Property Tax		Civil and electrical maintenance of building and Residential area, and payment of property tax etc.
13. Faculty Development		Academic exchange programme with national and international institutions etc.
14 Information Dissemination		Publication of research paper, discussion papers etc.

## 161. STATE FOREST SERVICE COLLEGES AND RANGERS COLLEGES

(Rs. in crores)

Name of the activity	B.E.	Physical Target
<b>State Forest Service colleges and Rangers colleges</b>	<b>1.58</b>	
a) Two years Diploma Course in Forestry for SFS officers at State Forest Service College, Dehradun.	-	2 courses (Senior & Junior Batch)
b) Two Years Certificate Course for Forest Rangers in three colleges viz. State Forest Service College, Burnihat/Coimbatore & Eastern Forest Rangers College, Kurseong.	-	6 courses (Senior & Junior Batch)
c) Two weeks Refresher Course for in-service SFS officers with 30-35 participants in each course.	-	7 courses
d) Three weeks course on Computer Application (basic) in Forestry for in-service SFS Officers with 25-30 participants in each course.	-	7 courses
e) Two-weeks Advance Course on Computer Application in Forestry for in-service SFS Officers with 30-35 participants in each course.	-	4 courses
f) Two weeks Theme-Based Courses in Forestry for in-service SFS Officers with 25-30 participants in each course.	-	7 courses
g) Two weeks "Trainers Training" course with 20 participants in each course.	-	2 courses
h) Two weeks "Refresher Course" for Range Forest Officers with 30 participants in each course.	-	2 courses
i) Courses for sister & other organizations on request.	-	2 Courses
k) Seminars, Workshops on different Forestry themes.	-	3 Nos
j) Six weeks "Promotion Linked Training" for A.C.Fs with 30 participants in each course(subject to approval of ministry).	-	3 Courses subject to the approval by the Ministry.

\* Fund is at the disposal of Civil Construction Unit for the Major Civil Works.

# A proposal for conducting refresher courses for in-service Deputy Rangers, Foresters and Forest Guards with 30-35 participants has been sent to the Ministry for approval. These courses will be conducted as and when approval is received from the Ministry.

## 162 IN-SERVICE TRAINING FOR IFS OFFICES

(Rs. in Crores)

Name of the activity	B.E.	Physical Target
One/Two-week Compulsory Training course for IFS Officers	1.75	About 1400 IFS offices 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.



**163. INDIRA GANDHI NATIONAL FOREST ACADEMY (IGNFA), DEHRADUN**

(Rs. in crores)

Name of the activity	BE	Physical Targets
IGNFA	5.00	<ol style="list-style-type: none"> <li>1. Training of IFS probationers of 2001-2004, 2002-2005 and 2003-2006 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>

**SURVEY AND UTILISATION OF FOREST RESOURCES**

**164. FOREST SURVEY OF INDIA (FSI)**

(Rs. in Crores)

Name of the activity	BE	Physical Targets
<b>Forest Cover Assessment</b> Data Processing Data rectification Data Classification Ground verification Corrections, area calculation and map generation.	5.00	315* Scenes 100* Scenes 50* Scenes 150** Scenes Top sheets
<b>Forest Inventory</b> Inventory Data Collection Data checking & entry Data processing & Output		30* Districts 30 Districts 30 Districts
<b>Inventory of TOF (Urban)</b> Inventory Data Collection Data checking & entry Data processing & Output		30* Districts 30 Districts 30 Districts
<b>Inventory of TOP (Rural)</b> Procurement of PAN data Image process & Sample gen. Inventory Data Collection Data checking and entry Data processing & Output		30* Districts 30 Districts 30 Districts 30 Districts 30 Districts
<b>Resources Consumption Study</b>		30 Districts
<b>Training</b>		100 Persons

**165. FOREST PROTECTION AND REGENERATION**

(Rs. in Crores)

Name of the Activity	BE	Physical Target
Integrated Forest Protection Scheme	65.00	To assist all states for prevention & control of forest fires, Strengthening of infrastructure for forest protection & preparation of working plans / survey & demarcation.



**166. FOREST CONSERVATION**

(Rs. in Crores)

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

**WILDLIFE****167. STRENGTHENING OF WILDLIFE DIVISION AND CONSULTANCIES FOR SPECIAL TASKS**

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 tasks as and when there is a proposal for the same

**168. NATIONAL PARKS AND SANCTUARIES**

(Rs. in Crores)

Name of the activity	BE	Physical Target
Assistance for Development of National Parks/ Sanctuaries	38.00	250 PAs

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

(Rs. in Crores)

Name Of Activities	BE	Physical Target
WII	10.00	
M.Sc.		18

PG Diploma Course in Wildlife Management		40
Certificate Course in Wildlife Management		40
Field Workshops/Short Courses		450

### 170. PROJECT TIGER

(Rs. in Crores)

S.No.	Name of the Activity	BE	Physical Target
I	Project Tiger	27.00	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 has been merged with Project Tiger Scheme during Xth Five Year Plan.	
III.	BOTD	This scheme has been merged with Project Tiger Scheme during Xth Five Year Plan.	

### 171. PROJECT ELEPHANT

(Rs. in Crores)

Name of the activity	BE	Physical targets
Project Elephant	11.00	The physical targets will be as per Annual Plan of operations submitted by Elephant Range States.

### 172. CENTRAL ZOO AUTHORITY

(Rs. in crores)

Name of the Activities	BE	Physical Target
Central Zoo Authority	11.00	1.Grants to Zoo ( including NZP) 2. Creation/maintenance of Rescue Centre 3. Feeding and Health care of rescued animals 4. Research Projects 5. Strengthening of Veterinary Institutes 6. Training, Workshops and conferences& Education. 7. Grant for NE Region & Sikkim 8. Operational Cost of CZA

#### The Physical targets for 2004-2005 :

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 five veterinary institutions.
7. To provide financial assistance for upkeep and feeding of rescued circus animals kept at the rescue centres.

#### 173. NATIONAL ZOOLOGICAL PARK

(Rs. in Crores)

Name of Activity	BE	Physical Target
Development Activity in National Zoological Park.	1.00	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. **For the Capital construction work executed through CCU / CPWD, the funds will be provided by Central Zoo Authority.

#### 174. PROTECTION OF WILDLIFE OUTSIDE PROTECTED AREAS

(Rs. in Crores)

Name of the activity	BE	Physical Target
Protection of Wildlife outside Protected Areas	Nil	The Scheme is yet to be approved by the Planning Commission/Competent Authority

#### 175. ANIMAL WELFARE DIVISION

(Rs. in Crores)

Name of the Activity	BE	Physical Target
<b>AWBI</b>	14.00	Assistance to 1,800 AWOs
<b>Shelter</b>		Shelter House – 35 Activation of SPCAs – 30 Activation of SAWBs - 5
<b>Ambulance</b>		15
<b>ABC</b>		60,000 (Dogs Sterilization) 600 (Sanitization & Medication of Monkeys)
<b>NIAW</b>		Completion of the Building & other infrastructure.
<b>CPCSEA</b>		Conduction of Workshops and monitoring of Animal Houses
<b>Natural Calamity</b>		As per requirement
<b>Scholarship</b>		As per requirement

#### 176. NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD (NAEB)

(Rs. in Crores)

Name of the Activity	BE	Physical Target (in ha.)
National Afforestation Scheme	190.00	1,20,000
National Action Programme to Combat Desertification	00.00	
Eco Task Force	8.00	
NAEB	25.00	
Greening India	00.00	
<b>TOTAL</b>	<b>223.00</b>	

#### 177. NATIONAL RIVER CONSERVATION DIRECTORATE

(Rs. in Crores)

Name of activity	BE	Physical Target
1.NRCD(Estt.)	5.00	
2. NRCP	304.20	44
3. NLCP	45.00	--
<b>Total</b>	<b>354.20</b>	<b>44</b>

#### ECOLOGY & ENVIRONMENT

#### 178. BOTANICAL SURVEY OF INDIA (BSI)

(Rs. in crores)

Name of the activity	Budget Estimate	Physical Target
<b>BOTANICAL SURVEY OF INDIA</b> (Survey, Inventorisation & Conservation of floristic diversity of India)	14.00	-
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 Phyto-diversity (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)		8 books and 2 journals

**179. ZOOLOGICAL SURVEY OF INDIA (ZSI)**

(Rs. in crores)

Name of the Activity	B E	Physical Targets
Exploration & Survey of Faunal Resources	<b>10.25</b>	<b>60 Surveys</b>
Status Survey of Endangered Species		Status survey of 2 species (3 Surveys)
Taxonomic Studies of State Fauna		36 Surveys covering Arunachal Pradesh, Bihar, Andhra Pradesh, Tamilnadu, Madhya Pradesh, Karnataka, Uttar Pradesh, West Bengal, Gujarat, Maharashtra & Rajasthan Andaman & Nicobar Islands ( Total of 45 districts )
Renovation of H Q's & Regional Museum		Regional museums at Solan, Itanagar, Chennai, Pune and Shillong will be strengthened.
Computerization of Data		National Zoological collections of Head Quarters & Regional Centres will be continued as it is ongoing programme.
Training & Extension Services		Two
Publication		Rec. ZSI Vol- 103, Occ. Papers –10 books., Fauna of India – 2 books State Fauna – 2 books( 4 parts ) Memoirs Vol. 20( part – 1-4 ) Bibliography – 1 book, Wetland series – 4 books Conservation area – 3 books Handbooks - three Annual Reports – 5 Nos. Special Publications – 2
Sale of Publication	4.8 Lakhs	

**180. NATIONAL MUSEUM OF NATURAL HISTORY (NMNH)**

(Rs. in Crores)

Name of the Activity	BE	Physical target
National Museum of Natural History, New Delhi	6.00	Efforts will be made to get suitable land allotted for the Museum through the Ministry of Urban Development  To continue the work to create necessary infrastructure and updating the exhibits  To undertake the various indoor/outdoor educational activities.
Acquisition of land and construction of building		
Creation of infrastructure and updating exhibits		
Educational & Extension services		
<b>Regional Museum of Natural History, Mysore</b>		
Gallery Development		Completion of Phase-II Gallery and initiation of work for the Phase-III Gallery and Elephant Resource Center.

Educational & Extension services  Publication		To continue the various educational and extension services through out the year  Publication of museum literature in Hindi, English and south Indian languages other than Kannada
<b>Regional Museum of Natural History, Bhubaneswar</b>  Gallery Development  Creation of infrastructure  Extension of educational activities		Completion of Ist Phase Gallery and initiation of works for the development of Phase-II Gallery.  Furnishing of conference room /auditorium/technical block  Extension of educational programmes for the school children
<b>Regional Museum of Natural History, Bhopal</b>  Introductory panel(Central Indian regions)  Rivers of Central India  Development of Central Courtyard  Replica of Bhim-Betika & open air diorama at the entrance of IInd Gallery & adjoining of outside  Temporary exhibition  Educational & Extension programmes  Development of IInd Phase Gallery		Renovation/re-Organisation  Renovation/re-organisation exhibits  Award of contract/completion  Award of contract/completion  On various themes in frequent intervals  To extend the educational activities for the school children  Planning & Initiation of works

### 181. ENVIRONMENT EDUCATION AWARENESS & TRAINING

( Rs. in Crores)

Name of the activity	BE	Physical Target
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<b>Environment Education Awareness &amp; Training</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.	34.00	The existing programmes will be continued
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@ No separate allocation has been made for these programmes.

**182. ENVIRONMENTAL INFORMATION SYSTEM (ENVIS)**

(Rs in crores)

Name of the Scheme	BE	Physical Targets/Achievements
ENVIS	3.00	<ol style="list-style-type: none"> <li>1. Recurring grants to 90 ENVIS Centres established will be released and monitored.</li> <li>2. Paryavaran Abstract Vol.21 will be published.</li> <li>3. ENVIRO – News issue 1-4 will be published.</li> <li>4. The second volume of compendium on ENVIS Centres &amp; nodes will be published.</li> <li>5. The new ENVIS Homepage launched will be updated.</li> <li>6. The website www.sdnpc.delhi.nic.in. will be updated.</li> <li>7. 1 Training course &amp; 2 workshops will be held for the ENVIS Nodes.</li> </ol>

**183. CENTRES OF EXCELLENCE**

(Rs. in Crores)

Name of the scheme	BE	Physical Target
Centres of Excellence	7.00	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.

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

(Rs. in Crores)

Name of the Scheme	BE	Physical Target
NNRMS	1.00	<ol style="list-style-type: none"> <li>1. 8 New projects will be sanctioned</li> <li>2. Monitoring of already sanctioned projects will also be undertaken during the year.</li> </ol>

**185. ENVIRONMENTAL IMPACT ASSESSMENT**

During the year 2004-2005, following studies under Coastal Regulation Zone are proposed to be initiated in the Impact Assessment Division for evolving a strategy for Integrated Coastal Zone Management.

- \* Digitization of Coastal Zone Management Plans for Coastal Stretches.
- \* Mapping and digitization of Ecological Stretches along the coasts of Andaman, Nicobar and 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 in main land of Andaman and Nicobar.
- \* 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.

(Rs. in Crores)

Name of the Activity	BE	Physical Target
<b>Environment Impact Assessment</b>	2.00	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

#### 186. CLEAN TECHNOLOGY

(Rs. in Crores)

Name of the Activity	BE	Physical Target
<b>Development and Promotion of Clean Technology</b>	2.00	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.

#### 187. INDUSTRIAL POLLUTION ABATEMENT THROUGH PREVENTIVES STRATEGIES

(Rs. in Crores)

Name of the Activity	B.E.	Physical Targets	Physical Achievements
Industrial Pollution Abatement through Preventive Strategies	1.00	Preparation for environmental audit update, Sectoral guidelines and continuous of on-going projects.	The outcome of the studies would help in institutionalization of environmental audit in various industries as well as identification critical areas for ecological planning.

#### 188. ASSISTANCE FOR ABATEMENT OF POLLUTION AND ENVIRONMENT POLICY & LAW

(Rs. in Crores)

Name of the Activity	B.E.	Physical Target
<b>Assistance for Abatement of Pollution</b>	4.00	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

<b>Environment Policy &amp; Law</b>		
Environment Policy & Legislation		Amendment of Environment (Protection) Act, 1986
		Formulation of 'National Environment Policy'
Eco-Mark Scheme		Publicity to Eco-Mark Scheme
Trade & Environment		

### 189. CIVIL CONSTRUCTION UNIT (CCU)

(Rs. in Crores)

Name of the Activity	BE	Physical Target (No. of works)
Civil Construction Unit	1.00	-
<b>A Major Head '4406' Forestry &amp; Wild Life</b>		
SFSC	*	2
IGNFA		1
FSI		-
R.O		2
<b>B Major Head '4552' North Eastern Areas</b>		
Lum-sum provision for Projects/Schemes of North Eastern Areas including Sikkim	*	2
<b>C Major Head '5425' Ecology &amp; Environment</b>		
BSI	*	1
ZSI		3
NMNH		1

\* Budget included in the respective schemes.

### 190. CENTRAL POLLUTION CONTROL BOARD

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
<b>CPCB</b>	<b>22.00</b>	
I. Pollution Assessment Survey & Monitoring		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.
II. 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

<p>III. Development of Standards, Guidelines and Eco-mark</p> <p>IV. Training</p> <p>V. Information (Data Base) Management &amp; Library</p> <p>VI. Pollution Control Enforcement</p> <p>VII. Pollution Control Technology</p> <p>VIII. Mass Awareness, Publication and NGOs</p> <p>IX. Hazardous Waste Waste Management</p>		<p>under EP Act, bio-monitoring of rivers/lakes for assessment of water quality.</p> <p>Revision/review of emission/effluent standards in respect of highly polluting industries due to change/upgradation in technologies.</p> <p>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 &amp; agencies. Some of the training programmes would be sponsored.</p> <p>Upgradation of Local Area Network/Wide Area Network through NIC. Extension of Network services. Development of Software for preparation of Water &amp; Air Quality reports as per revised standards.</p> <p>Common criteria for classifying industries.. Emergency preparedness in chemical industries. Implementation of Corporate Responsibility of Environmental Pollution (CREP). 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 etc.</p> <p>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 &amp; 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.</p> <p>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 waster testing kits to NGOs/Schools etc. would be taken up.</p> <p>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</p>
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		leachates. Guidelines for recycling and reprocessing of waste/used oil and non-ferrous wastes. Implementation of CREP recommendations.
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**191. ASSISTANCE TO BOTANIC GARDENS**

(Rs. in Crores)

<b>Name of the Activity</b>	<b>BE</b>	<b>Physical Targets</b>
<b>Assistance to Botanical Gardens</b>	1.50	15 Botanical Gardens to be supported

**192. RESEARCH AND ECOLOGICAL REGENERATION**

(Rs. in Crores)

Name of the activity	BE	Physical target
<b>RESEARCH &amp; DEVELOPMENT</b>	3.00	Initiation of new projects-50 Servicing of on-going projects-150 Review of on-going projects-150 Preparation of executive summaries-20

**193. 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  • R&D and other expenditure • Construction of Building	7.00	Continuation and strengthening of ongoing R&D activities and completion of construction activity for the strengthening of the existing campuses.
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).

**194. HAZARDOUS SUBSTANCES MANAGEMENT**

(Rs. in crores)

Name of the Activity	BE	Physical Target
<b>Hazardous Substance Management</b>	7.00	*

\* Physical Target for 2004-2005

- Finalisation of the comprehensive National Chemical Profile.
- Continuation of Hazard Analysis and preparation of Off-site plans (including mock-drills, crisis alert system etc.).
- Setting up of Emergency Response Centres as per modifications.
- Providing support to Poison Control Centres
- Preparation of National & State Inventories on hazardous wastes
- Provision of support to the setting up of common facilities for Transport, Storage and Disposal of Hazardous Wastes (TSDF)
- Inventorization of illegal dump sites & preparation of remediation plans for the same
- Harmonization of hazardous wastes in the EXIM Policy
- Banning the import & export of hazardous wastes listed in Annexe 8 of the Basel Convention.
- Setting up of Demonstration Plants for Management of Municipal Solid Wastes including Plastic Wastes.
- Projects on Fly-ash utilization.
- Strengthening of SPCBs/PCCs.
- 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 rationalize 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 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.

#### 195. BIO-DIVERSITY CONSERVATION

(Rs. in Crores)

Name of Authority	BE	Physical Target
Bio-diversity Conservation	3.50	*

\* Physical Target

- Follow up on the Biodiversity Act 2002.
- 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

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

(Rs in Crores)

Name of the activity	BE	Physical Target
MAPs on Wetlands	11.00	25 MAPs on Wetlands and sanctioning of research projects
MAPs on Mangroves & coral reefs		MAPs on Mangroves & coral reefs and sanctioning of research projects

#### 197. BIOSPHERE RESERVES (BRs)

(Rs. in Crores)

Name of the activity	BE	Physical Targets
MAPs and Research on BRs	6.00	14 MAPs on BRs and 10 new research projects

#### 198. INTERNATIONAL COOPERATION

(Rs. in crores)

Name of the Activity	BE	Physical Targets
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UNDP—Government of India- CCF	1.00	Sub-programmes will be implemented as per project objectives.
India Canada Environment Facility.	0.01	The project will be implemented with the available funds in ICEF.
IC Division activities.	1.20	Existing activities will continue.
State of Environment Scheme.	1.00	

### 199. 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>	<b>1.00</b>	Activities / conferences relating to Adaptation & Technology Transfer would be undertaken
		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.

### 200. ESTABLISHMENT OF ENVIRONMENT AUTHORITIES, COMMISSIONS AND TRIBUNALS.

(Rs. in Crores)

Name of Activity	B.E.	Physical Targets
Establishment of Environment Authorities, Commissions and Tribunals	4.00	The objective of the scheme is to provide necessary grant-in-aid to the various environmental authorities for meeting their expenditure in order to perform their functions as stated above in compliance with the directions of the Supreme Court.

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

The Project has ended on 30.11.2002. The residual activities of the Project have been merged with the World Bank aided EMCBTA Project.

### 202. COMMON EFFLUENT TREATMENT PLANTS (CETPs)

(Rs. in Crores)

Name of the Activity	B.E.	Physical Target
<b>Common Effluent Treatment Plants</b>	4.00	Construction of CETPs in the Small Scale Industrial clusters.

### 203. REIMBURSEMENT OF WATER CESS

(Rs. in Crores)

Name of the Activity	B.E.	Physical Target
<b>Reimbursement of Water Cess (Non Plan Scheme)</b>	76.52 (NP)	There are no physical targets as the scheme is non-plan scheme.

**204. TAJ PROTECTION MISSION**

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
Taj Protection Mission	1.00	Completion of on-going projects and approval of new projects to be submitted by Govt. of UP

**205. ALL INDIA COORDINATED PROJECT ON TAXONOMY (AICOPTAX)**

(Rs.in crores)

Name of the Activity	BE	Physical target
AICOPTAX	2.00	Servicing of ongoing projects.

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

(Rs in crores)

Name of the Activity	BE	Physical Targets
<b>ENVIRONMENTAL MANAGEMENT CAPACITY BUILDING TECHNICAL ASSISTANCE PROJECT</b>	25.26	The original planned activities under the various sub-components included for implementation in the project on Environmental Management Capacity Building have been completed to a large extent and the objectives will be fully achieved during one year extended period of the project upto 30-6-2004, by which time some of the ongoing activities will be fully completed under Environmental Education, Environmental Impact Assessment, Mining Sector, Ambient Air Quality Monitoring, Development of Standards, Environmental Information System (ENVIS) and Institutional Strengthening in Gujarat & Awareness amongst Media Created including pending activities of IPP Project.