

CHAPTER II-C-3

TARGETS FOR 2001-2002

FORESTRY EDUCATION AND TRAINING

164. INDIRA GANDHI NATIONAL FOREST ACADEMY

Advanced phase of training : IFS probationers of 1999-2002, 2000-2003, 2001-2004 courses in different phases.
5 compulsory courses.

2 Induction training courses to officers promoted to IFS.

Inservice courses..

The budget provision is Rs.2.50 Crores (plan) and Rs.2.94 Crores (non-plan).

165. STATE FOREST SERVICE COLLEGES AND RANGERS COLLEGES.

2 Courses of Two Years Diploma Course in Forestry for S.F.S. Officers at State Forest Services College, Dehradun

6 Course of Two Years Certificate Course for Forest Rangers in three colleges viz. State Forest Service College, Coimbatore, State Forest Service College, Burnihat & Eastern Forest Rangers College, Kurseong..

12 Courses of Two-week Refresher Course for In -service SFS Officers with 35 participants each course

8 Courses of Three week course on Computer Application in Forestry for In-service Forest Officers with 25 participants each course.

2 Courses of Two-week Advance Courses on Computer Application in Forestry for In-service Forest Officers with 25 participants each course.

8 Courses of Two week Theme Based Courses in Forestry for In-service S.F.S. Officers.

3 Courses of Three months "Promotion linked Training" Courses for A.C.Fs for 30 participants each course

2 Courses of Two Weeks " Trainers Training" Courses for 20 participants in each course

2 Courses of "Promotion linked Training" for Rangers promoted from lower grade for 30 participants in each course.

2 Courses of Two Weeks "Refresher Course" for Rangers for 30 participants in each course.

The budget provision for 2001-2001 is Rs.0.75 Crores (Plan) and Rs.2.08 Crores (Non-Plan).

166. INDIAN INSTITUTE OF FOREST MANAGEMENT, BHOPAL.

MDP/Courses and Seminars/Post Graduate Diploma Course on "Forestry Management/M.Phil. Ph.D. Research Studies.

On-going and new research projects to be continued.

Construction of hostel phase-II, Director's bungalow, etc.

The budget provision is Rs.2.80 Crores (plan) and Rs. 0.90 Crores (Non-plan)

167. INDIAN PLYWOOD RESEARCH AND TRAINING INSTITUTE (IPIRITI), BANGALORE

The following on-going research projects will be completed:

- Study on the relevance of mycological resistance tests for various grades of plywood aiming to effect amendment to the relevant Indian Standards Specification.
- Study on the suitability of Tapioca flour, maize starch and maida as extender for UF resin adhesives for bonding MR grade of plywood.

- Development of glued laminated timber using plantation grown species for structural and non-structural uses.
- Establishment of Research and Training facilities for finger jointing – BMTPC, New Delhi.
- Studies on peeling, drying and gluing of new plantation species for the manufacture of different grades of plywood.
- Determination of physical –mechanical properties of plywood made from plantation spp.
- The new research projects as approved by the Project Advisory Committee will also be initiated.
- The budget provision is Rs. 0.90 Crores (Plan) and Rs.1.01 Crores (Non-Plan).

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

Directorate of Research : National Forestry Research Action Plan, Application of MIS & M&E modules in ICFRE Institutes, Maintenance of Planting Stock Improvement Programme covering around 1290 ha SPAS, 150 ha CSO, 300 ha SSO, 50 ha VMG and Six Model Nurseries. The targets have been fully achieved in different institutes. Implementation & monitoring of ongoing research projects in various organisations other than ICFRE Institutes under Research Grant Fund. Monitoring of Project supported 30 research programmes. These project supported research programme would be concluded.

Directorate of Education : Implementation of HRD Plan, Training activities as per HRD plan, grant-in-aid to Universities. Continuation of M.Sc. Courses in Forestry, Wood science & Technology, PG Diploma Courses in Plantation Technology, Pulps & paper.

Directorate of Extension : Implementation of extension strategy of ICFRE, demonstration of technologies through established satellite Centers under Extension Support Fund, printing of publicity material and its dissemination, Impact assessment of ongoing projects under ESF, Preparation of films, Setting up of well equipped Media Center at ICFRE, Procurement of books and journals.

Directorate of Administration : Completion of Civil works envisaged under FREEP, Implementation of financial accounting system, Payroll etc in Directorate of Administration.

Directorate of Statistics : Publication of quarterly Timber/Bamboo Trade Bulletins, Publication of Forestry Statistics India – 2001, Maintenance and upgrading of NFDBMS to continue, Biometrics support to research projects of ICFRE will continue.

ICFRE Institutes and its Centers :

FRI, Dehra Dun : Maintenance of 160 ha SPA, 19 ha CSO, 19 ha SSO and 4 ha VMG and One Model Nursery. In-vitro multiplication of bamboo, Chir pine, shisham, teak and eucalyptus. Genetic improvement of certain species, Marketing mechanism for farm forestry species, Studies on drying time in Solar Kiln, Development of adhesives, Photochemical examination, studies of tree borne oil seeds, Ecological impact assessment on bio-reclamation projects, Effluent treatment of pulp and paper industry, Forest community interface, Bio-ecological studies on insects pests of bamboo and their management, Evaluation of physical and mechanical properties of certain tree species, studies on threatened forestry species of U.P., DNA market studies, Photochemical investigation of Sal for managing heartwood borer.

IFGTB, Coimbatore : Genetic improvement of forest trees, Evaluation of genetic variability, Development of tissue culture/micro-propagation for selected tree species, Screening of Casuarina for problems soils of Tamil Nadu. Impact assessment of silvicultural practices on seed production in Teak, Eucalyptus and Casuarine, Soil and water

conservation measures, Selection of insect pest/disease resistance phenotype of tree species, Market survey of pricing and utilization pattern of timber products, Trials of teak plantations, Computer application on research activities, Planting stock improvement programme, development of 250 ha SPA, 206 ha SSO, 27 ha CSO, 13 ha VMG and one Model Nursery. Film preparation on various forestry techniques.

IWST, Bangalore : Development of alternative wood substitutes, Chemical induction in heartwood, sandal and teak wood, Assessment of environmental effects of wood preservatives, Application of pheromone technology for management of teak borer, Studies to termite problems, Improvement of planting stock by biofertilizers application, Impact of industrial influents on mangrove Eco-system, Studies on micro propagation in threatened species. Standardization of protocol for seed biology, Selection of candidate plus trees for teak and sandal, Maintenance of 120 ha SPA, 12 ha CSO, 34 ha SSO and 6 ha VMG and One Model Nursery .

TFRI, Jabalpur : Maintenance of 300 ha SPA, 40 ha CSO, 70 ha SSO and 10 ha VMG and One Model Nursery. Development of seed technology of pterocarpus, Standardization of nursery techniques for MPT species, Bio-chemical changes associated with tree seeds and study of leaf litter decomposition rater, Evaluation of non-wood forest products yielding species, Preservative application from plant species, Establishment of advance center for Non-wood forest product. Collection of germplasm of threatened medicinal plants, Agroforestry studies, Socio economic studies, genetic improvement of Gmelina arborea, Integrated management of diseases of tree species, Eco-rehabilitation of degraded forest research in tree farming models.

AFRI, Jodhpur : Demonstration trials in hot arid zone, studies on interactive effect of ex-situ rain water harvesting and stand density, study of shelter belt and wind erosion, study of seed Borne micro-flora of selected tree species, disease spectrum of arid and semi-arid tree species, Study of pest problems, Study of biocide activities and proteins. In addition to the above 5.3 projects approved by the Research Advisory Group shall also be taken up during the year under report. The targets of 200 ha SPA, 26 ha CSO, 55 ha SSPA and 5 ha VMG shall also be fully achieved under Planting Stock Improvement Programme.

HFRI, Shimla : Maintenance of 50 ha Seed Production Areas, 8 ha CSO, 10 ha SSO and 2 ha of VMG, Provenance testing of poplars, Selection of suitable species for cold desert areas, Regeneration of conifers and broad leaf forests, Agroforestry in lower Himalayan hills, Conservation of indigenous species of western Himalayas and increasing productivity to man-made forests etc. The projects cleared by RAG will also be taken up during the period under report.

IRMDFR, Jorhat : Ecological monitoring of Biodiversity and strategy of conserving Kajiranga National Park, evaluation of tropical moist forest especially Dipterocarps, Developing methods of restoring vegetation on degraded lands, Disease management of forest tree species in nurseries and plantations, Fertilizers response studies for tree species of north east, Mycorrhiza screening, Methodology to develop alternatives for shifting cultivation. Maintenance of 50 ha SPA, 6 ha CSO, 5 ha SSO and 3 ha VMG.

IFP, Ranchi : Collection of germplasm bank for important medicinal plants, Use of biotechnology for Biodiversity conservation, Phenology of important tree species, Introduction of exotic species like Paulownia, Eco-rejuvenation of coal mine areas, Studies of mangrove ecosystem in West Bengal, Management of lac hosts for lac cultivation, Standardization of nursery techniques of lac host trees. Maintenance of 100 ha SPA, 15 ha CSO, 60 ha SSO and 10 ha VMG and one Model Nursery.

The budget provision of ICFRE and its Institutions for 2001-2002 is Rs.48.15 crores on Plan side and Rs. 11.05 crores (Non-Plan)

SURVEY AND UTILISATION OF FOREST RESOURCES

169. FOREST SURVEY OF INDIA

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
FOREST SURVEY OF INDIA	4.00 crores (Plan) and Rs.5.40 crores (Non-Plan)	
Non-Forest Inventory (Forest area in sq. kms.)		40,000
Data Processing (Non-Forest area in sq. kms.)		40,000
Thematic mapping (Sheets of 1:50,000 scale)		50 map sheets
Vegetation Mapping (Sheets of 1:250,000 scale)		181 map sheets
Training (No. of persons to be trained)		90

170. FOREST CONSERVATION

Physical targets for monitoring of cases under FCA, 1980 and EPA are given below: -

Forest (Conservation) Act	Environment (Protection) Act
950	400

The budget provision is Rs.4.50 crores on Plan side under the scheme "Strengthening of Forest Divisions".

171. MODERN FOREST FIRE CONTROL METHODS IN INDIA

(Rs in Crores)

Name of the Activity	BE	Physical Targets
Modern Forest Fire Control Methods in India	11.00	Assistance will be provided to all States of the country, to develop infrastructures for prevention and control of forest fire.

172. ASSOCIATION OF SCHEDULED TRIBES AND RURAL POOR IN REGENERATION OF DEGRADED FORESTS ON USUFRUCT SHARING BASIS.

Release of central assistance for implementation of work programme for the year 2001-2002 to project implementing States under the Scheme and rehabilitation of 3600 ha. of degraded forest land and maintenance of assets created.

The budget provision is Rs.4.00 crores on Plan side.

173. NATIONAL FORESTRY ACTION PLAN (NFAP)

To obtain concept papers for all the states in the prescribed format.
 Review and revise concept papers.
 Consultation with the Donor agencies both bilateral and multilateral to secure funding.
 Development of CD and Website for NFAP.
 Organise donor conference to secure funding.
 Submit proposals to External Agencies to secure funding for implementation of NFAP.
 Organise National workshops.
 Mobilise internal resources for implementation of NFAP.

The budget provision is Rs.0.20 Crores (Plan).

174. WILDLIFE

300 Sanctuaries and National parks will be assisted under the National Parks & Sanctuaries scheme. The management and protection of 27 Tiger Reserves will be continued. Assistance will be provided to 12 Project Elephant Range States for conservation and protection of elephants.

The budget provision is Rs.15.35 Crores for development of National Parks and Sanctuaries, Rs.17.00 Crores on Plan side and Rs. 0.06 crores on Non-Plan side for Project Tiger and Rs.5.00 Crores on Plan side for Project Elephant.

175. ECO-DEVELOPMENT PROJECT

The India Eco-Development Project will be implemented in the seven identified National Parks/Sanctuary including Tiger Reserves to achieve improved protected area management, village Eco-development, environment education and awareness campaign etc.

The on-going Government of India Eco-Development Scheme will be continued. 115 National Parks and Sanctuaries and 25 Project Tiger Areas will be assisted for biomass generation and non-conventional energy sources. The budget provision is Rs.60.25 Crores (including externally aided India Eco-development Project).

176. STRENGTHENING OF WILDLIFE DIVISION AND CONSULTANCIES FOR SPECIAL TASKS

The on-going activities to fund establishment, office expenses and travel expenses of Central Wildlife Division and Regional Wildlife offices will continue. Funds will also be provided for undertaking Consultancies for special tasks proposed by the State Governments.

The budget provision is Rs.1.75 Crores. (Plan).

177. WILDLIFE INSTITUTE OF INDIA

Sl.No.	Course	Target (No. of persons)
1.	M.Sc. course in Biology	12
2.	PG Diploma in Wildlife Management	20
3.	Certificate Course in Wildlife Management	20
4.	Field Workshop /Short Courses	250

The budget provision is Rs. 5.00 crores on the Plan side and Rs.1.26 crores on the Non-Plan side.

178. NATIONAL ZOOLOGICAL PARK

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
NATIONAL ZOOLOGICAL PARK	0.50(Plan) 3.01(Non-Plan)	Construction of Tiger enclosure, extension of white tiger enclosure, construction of Elephant enclosure, construction of primate enclosure etc. as per master plan of National Zoological Park.

179. CENTRAL ZOO AUTHORITY

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
CENTRAL ZOO AUTHORITY	8.00	Funds will be provided to the zoos; for creating rescue

	(Plan)	centres; for organising training courses & workshops and for research projects, etc.
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180. BENEFICIARY ORIENTED SCHEME FOR TRIBAL DEVELOPMENT.

The relocation of 1000 tribal families outside the protected areas, in Nagarhole National Park (Karnataka) Bandipur T.R. (Kar), Kunu Palpur W.L. Sanctuary (M.P.), Chandak Champa (Orissa), Sariska T.R. and Ranthambhore (Rajasthan) will be taken up.

The budget provision is Rs.4.00 crores on Plan side.

181. NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD(NAEB)

For the year 2001-02 an allocation of Rs.114.70 crores has been proposed for the NAEB at current prices. The scheme wise break up and the physical targets are given below:

(Rs.in Crores)

Scheme	B.E.	Physical target (Area in ha.)
Integrated Afforestation and Eco-Development Projects Scheme	68.00*	1,72,262*
Area Oriented Fuelwood and Fodder Projects Scheme	22.00	75,218
Conservation and Development of Non-Timber Forests Produce (including Medicinal Plants) Scheme	16.50	48,000
Tree Pasture & Seed Development Scheme	1.50	Physical targets are not set under this scheme.
Grants-in-Aid Scheme for Voluntary Agencies	2.00	-do-

* including Rs. 30.00 crore for SGVSY scheme being implemented on pilot basis under IAEPS. Physical target under SGVSY is 53,000 ha. for 2001-02.

182. BOTANICAL SURVEY OF INDIA

(Rs. in crores)

Name of the Activity	B.E.	Physical Target
Botanical Survey of India	4.00 (Plan) 11.36 (Non-Plan)	
Exploration Surveys		160 tours
Collection of specimens (Nos.)		Ca 20,000
Preservation of species(Nos.)		Ca 15,000
Publication of Books/Journals		14

183. ZOOLOGICAL SURVEY OF INDIA

Name of the Activity	Physical Targets
Exploration & Survey of Faunal Resources	49 Surveys
Status Survey of Endangered Species	Status survey of 3 species (3 Surveys)
Taxonomic Studies of State Fauna	34 Surveys covering Arunachal Pradesh, Bihar, Andhra Pradesh, Madhya Pradesh, Karnataka, Uttar Pradesh, West Bengal, Gujarat & Rajasthan (Total of 29 districts)
Computerization of Data	National Zoological collections of Head Quarters & Regional Centres.
Training & Extension Services	Two
Publication	Rec. ZSI, Occ. Papers – 6, Fauna of India – 3 books.

The budget provision for 2001-2002 is Rs.4.00 Crores on Plan side and Rs.9.26 on Non-Plan side.

184. ENVIRONMENT, EDUCATION AWARENESS & TRAINING

(Rs. in Crores)

Name of the Scheme	BE	Targets
Environment Education & Training	10.00	The existing programmes will be continued
Seminars/Symposia/Workshops	0.30	70 Nos.

185. ENVIRONMENTAL POLICY & LAW

(Rs. in Crores)

Name of the scheme	BE	Physical Targets
1. Environmental Policy & Law Activities.	0.25	
a) Environment Policy & Legislation		<ul style="list-style-type: none"> - Amendment of the Environment (Protection) Act, 1986.. - Amendment of Cess Act. - Publication of notification.
b) Eco-mark scheme.		<ul style="list-style-type: none"> - Publicity to Eco-mark. - Assistance to Comprehensive Test Programme.
c) Comprehensive National Environment Policy.		<ul style="list-style-type: none"> - Preparation of a document on National

<p>d) Trade & Environment.</p> <p>2. Environment Commission & Tribunal</p>	0.50	<p>Environment Policy.</p> <ul style="list-style-type: none"> - Holding of Seminar. - Preparation of position paper. - Setting up of Benches of Tribunal.
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186. WORLD BANK AIDED INDUSTRIAL POLLUTION CONTROL PROJECT

(Rs. in Crores)

Name of the Scheme	BE	Physical Targets
<p>World Bank aided Industrial Pollution Prevention Project</p>	20.00	<p>Procurement of equipments for 4 SPCBs, viz., Andhra Pradesh, Karnataka, MP and Rajasthan.</p> <p>Provision of facilities for the labs in the SPCBs of the four States mentioned above</p> <p>Imparting of training to the personnel of PCBs</p> <p>Provision of funds to industries for waste water recycling plants.</p> <p>Provision of funds to Gujarat for software procurement and training under the GIS project</p> <p>Upgradation of training package under the Waste Minimisation Circle. 3 training programmes for facilitators to be organised.</p> <p>More Waste Minimisation Circles to be established. Newsletters on WMC to be issued.</p>

187. NATIONAL MUSEUM OF NATURAL HISTORY (NMNH)

(Rs. in Crores)

Name of the activity	BE	Physical Targets
<p>1) Completion of 1st Phase of Building and initiation for 2nd Phase of RMNH, Bhubaneswar.</p> <p>2) Initiation of collection/procurement of specimen for Regional Museums, by collection trips, purchase and from other Government agencies.</p> <p>3) Initiation work for establishing Tiger Resource Centre at RMNH, Bhopal Elephant Resource Centre at Mysore and Rhino Resource Centre at Bhubaneswar.</p> <p>4) Initiation of plans & development of second phase of galleries of RMNH, Bhopal & Mysore.</p> <p>5) To initiate actions towards making NMNH as a Training Centre for Museologists, Environmental</p>	<p>2.50(Plan)</p> <p>0.75 (Non-Plan)</p>	<p>To take possession of the building after completion and to initiate establishment of 1st Phase galleries and museum infrastructure.</p> <p>Collection to be made with relevance to the 1st Phase themes of Museum galleries.</p> <p>Project Reports to be prepared, approval by the respective Adv. Planning Committee and work to start for establishment.</p> <p>Thematic details to be finalized and development work to be initiated.</p> <p>A proposal for the same to be prepared and submitted for necessary approvals and start the work.</p>

<p>Educators, Biologists and Naturalists.</p> <p>6) Initiate action for collaboration with Discovery Channel & IGNOU (Open University) in production of Education programme on Nature and environmental themes.</p> <p>7) Initiate actions to bring out the Natural History Museums Newsletter – Quarterly.</p> <p>8) Introduction of multimedia interactive kiosks in depicting the existing themes of Exhibit galleries in NMNH and RMNHs.</p>		<p>Detailed proposals to be prepared for networking.</p> <p>Four Newsletters to be produced.</p> <p>Proposals for the same to be finalized and work to be initiated.</p>
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188. CIVIL CONSTRUCTION UNIT(CCU)

(Rs. in Crores)

Name of the Activity	BE	Physical Targets (No. of works)
Forestry & Wild Life	6.00	15
Environment		73
Environment Education/Training/Extension	11.50	7
Civil Engineering Wing	1.70	-
Grand Total	19.20	95

189. ENVIRONMENTAL INFORMATION SYSTEM(ENVIS)

(Rs. in Crores)

Name of the Scheme	BE		Physical Target
	Plan	Non Plan	
ENVIS	1.25	0.26	<ul style="list-style-type: none"> - A few ENVIS Centres in the emerging areas of environment are proposed to be set up during the year. - All ENVIS Centres are targeted to develop its Website in its assigned subject-area during the year. - Annual Report and the 'Enviro News' newsletter will be continued to be published by the ENVIS. - The quarterly journal, namely, 'Paryavaran Abstracts', reporting environmental research in Indian context, will be continued to be published. - Query-answer service will be provided by the ENVIS network and efforts will be made to provide substantive information as far as possible to the users. - The Sustainable Development Networking Programme (SDNP) Website will be regularly updated for dissemination of information to all concerned and to develop SDNP as a user network. The regional nodes of SDNP are proposed to be set up throughout the country.

190. CENTRES OF EXCELLENCE

(Rs. in Crores)

Name of the scheme	BE	Physical Target
Centres of Excellence		Continuation of Environment Awareness Programmes and production of resource material at CEE, Ahmedabad and CPREEC,

Excellence	6.50 (Plan) 1.50(Non-Plan)	Chennai. Continuation of M.Tech. Programme and development of training modules for non-coal Mining Sector Executives by the CME, Dhanbad. Completion of Research Projects and initiation of new Projects in the field of Ornithology by the SACON. Initiation of new research projects on bio-diversity, ecology and conservation biology, conservation genetics, animal behavior and continuation of on going projects in these fields by the CES, Bangalore.
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191. NATIONAL NATURAL RESOURCE OF MANAGEMENT SYSTEM (NNRMS)

(Rs. in Crores)

Name of the scheme	BE	Physical Target
NNRMS	0.90	Efforts have been made to invite proposals under the scheme from various concerned organisations in the country. It is envisaged that more research proposals will be supported under the scheme for the application of remote sensing technologies in the field of environmental sciences. Monitoring of already sanctioned projects will also be undertaken during the year.

192. PARYAVARAN VAHINI

(Rs. in Crores)

Name of the Scheme	BE	Physical Target
PARYAVARAN VAHINI	0.05	As per the decision of the Ministry, the scheme is likely to be transferred to the various States without any financial commitment of the Ministry. The Planning Commission has already been communicated in this regard. Decision of the Planning Commission is yet to be received by the Ministry.

193. GRANTS-INAID TO PROFESSIONAL SOCIETIES

(Rs. in Crores)

Name of the scheme	BE	Physical targets and achievements
Grants-in-aid To Professional Societies	0.10	Guidelines and proforma of the scheme have been finalized and circulated to all concerned. It is envisaged that appropriate institutions and organisations will be supported under the scheme to develop the activities and the projects in the field of environment and ecology.

194. NATIONAL RIVER CONSERVATION DIRECTORATE

(Rs. in crores)

Name of the activity	BE	Physical Targets
GAP-I	--	3 schemes to be completed
GAP-II	178.95	2 schemes to be completed
NRCP		5 schemes to be completed
NLCP	7.00	--

195. WETLAND CONSERVATION PROGRAMME

(Rs. in crores)

Name of the activity	BE	Physical Target**
MAP & Research under Wetland Programme	5.00	*

*Physical Targets

- Sanctioning of Management Action Plans (MAPs) for 2001-2002 and release of funds to the State Government in respect of 20 identified wetlands.
- Convening of meetings of Research Committee.
- Convening of meetings of National Committee.
- Organisation of workshop for evaluation of progress of ongoing research projects.
- Monitoring of MAPs of identified wetlands.
- Identification of new wetlands.
- Circulation of guidelines for monitoring mechanism, updating wetland directory.
- International Cooperation.
- Participation related to Ramsar Convention/Standing Committee meeting and follow-up action for preparation of CoP8.
- Formulating/seeking projects for external financial assistance for Wetland Conservation Programme.
- Seeking information for inclusion of 20 wetlands under Ramsar list as was announced by India in the 7th CoP meeting held in Costa Rica in May, 1999.
- Organising training programmes/workshops for various wetlands conservation components for Senior Managers/Research Organizations/Policy Makers/Stakeholders in different parts of the country

** Quantitative physical target cannot be given because the proposal has not been received from concerned State Government and agencies.

196. ASSISTANCE FOR ABATEMENT OF POLLUTION

(Rs. in Crores)

Name of the scheme	BE	Physical Targets
Assistance for Abatement of Pollution	1.00	The physical target cannot be set.

197. REIMBURSEMENT OF WATER CESS

(Rs. in Crores)

Name of the scheme	BE	Physical Targets
Reimbursement of Water Cess (Non-Plan)	42.63 (NP)	Physical target is normally fixed in consultation with the State Governments and the CPCB in the end of financial year.

198. TAJ PROTECTION MISSION

(Rs. in Crores)

Name of the scheme	BE	Physical Targets
TAJ PROTECTION MISSION	35.00	10 on going projects are at the various stages of implementation and five more new projects have been proposed by the Government of UP and these projects are under process for EFC and CCEA clearance.

199. CENTRAL POLLUTION CONTROL BOARD

(Rs. in Crores)

Name of the Scheme	BE		Physical Target
	Plan	Non Plan	
CENTRAL POLLUTION CONTROL BOARD	9.00	7.00	*

***Physical Targets:**

Pollution Assessment-Survey and Monitoring

CPCB in collaboration with State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) has set-up Water Quality and Ambient Air Quality Network. The expenditure incurred by the State Boards is reimbursed by CPCB. Besides Water and Air Quality Monitoring, there are number of on-going programmes which include; survey of polluted river stretches, rive of primary water quality criteria, assessment of non-point pollution sources, bio-monitoring of national aquatic system and assessment of pollution from point sources. State specific surveys are also taken up through the Zonal Offices of CPCB.

Laboratory Management-Operation Maintenance and R&D

CPCB has set-up a laboratory facility at its Head Office and the Zonal Offices have also been provided with minimum laboratory facilities. The strengthening of laboratories is an on-going activity and the laboratories are to be strengthened from time to time for undertaking analysis of critical pollutants. The new parameters have been added-up for analyzing the bio-medical waste, hazardous waste and other important toxicants like Polychlorinated, biphenyl. CPCB has also proposed R&D schemes relating to various aspects of prevention and control of pollution. The regular analytical quality control tests and training to the staff of Pollution Control Boards is proposed.

Development of Standards, Guidelines and Eco-mark

CPCB has already developed Standards for disposal of treated liquid effluents and gaseous emission in respect of major polluting categories of industries. Some of the standards need to be reviewed from time to time taking technological improvement into consideration. It is proposed to undertake review of standards in respect of those categories of industry which have already been covered.

Training

CPCB is proposing to undertake training programmes for the benefit of SPCBs/PCCs, Regional training programmes would be conducted through Expert institutions and Zoos. The important areas, which will be covered under the training, include; Bio-medical waste, Municipal solid waste, Cleaner technologies, Vehicular noise pollution control and others.

Information (Date -base) Management

This is an on-going programmes under which major expenditure is on the operation and maintenance of existing network. Some of the documents of CPCB are placed at internet facility.

Pollution Control Enforcement

The important activity under the Pollution Control Enforcement is to ensure compliance of 17 categories of polluting industries and industries discharging waste water into rivers and lakes. The Action Point prepared by restoration of environmental quality in the critically polluted area is also under implementation through the concerned SPCBs. As an on-going activity under the Environment Surveillance Programme it is proposed to have regular inspection/visits of polluting industries and also undertake compliance to the various Court's directive. The other on-going programmes include; Preparation of Zoning atlas, chlorine use and optimization in India, Environmental Audit, Noise pollution control, monitoring of compliance for bio-medical and municipal solid waste and others.

Pollution Control Technology

Under the project head, studies on existing treatment technologies and performance of technologies for cleaner production are taken up. The important on-going programmes include; performance evaluation of sewage treatment plants, risk assessment in chemical industries, control of noise levels from gensets, treatment technology for distillery effluent, root zone treatment and others.

Mass Awareness, Publication and NGOs

This is an on-going project under which programme relating to mass awareness are taken up. The activity also include; Publication of reports on various aspects relating to prevention and control of pollution.

Hazardous Waste Management

The important on-going programmes under this project head include; inventorisation of hazardous waste in various States, development of Standards for leachate from hazardous waste dump site, assessment of hazardous waste disposal facilities in industries, organising training and workshop, follow-ups of Committees constituted for hazardous wastes/chemicals.

200. ASSISTANCE TO BOTANIC GARDENS

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
ASSISTANCE TO BOTANIC GARDENS	2.00	5 Botanical Gardens to be supported.

201. CLEAN TECHNOLOGY

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
1. Sustainable Development Strategies.	*	Completion of one Carrying Capacity Study & LCA Study.
2. Development and Promotion of Cleaner Technologies		Demonstration Projects.

*Included in Impact Assessment programme.

202. ENVIRONMENTAL AUDIT, CLEAN TECHNOLOGY, ENVIRONMENTAL STATISTICS AND MAPPING

(Rs. in Crores)

Name of the Activity	BE	Physical Target
Environmental Audit	0.20	Promotion through training and awareness programmes. Preparation of sector specific manuals. Analysis, evaluation and assessment of environmental statements.
Environmental Statistics and Mapping	0.10	Preparation of Environment Atlas for metro-cities and other major cities depicting pollution data.
Adoption of Clean Technologies in Small Scale Industries	0.10	Training and awareness programmes, waste minimization demonstration studies preparation of sector specific manuals.

203. ENVIRONMENTAL IMPACT ASSESSMENT

(Rs. in Crores)

Name of the scheme	BE	Physical Target
Environmental Impact Assessment	8.60	The objective of Impact Assessment Scheme is to assess the Impact of any development Projects from Environment angle which is referred to this Ministry. As such no physical target is fixed

During the year 2001-2002 the following studies will continue:-

- 1) Studies on the Evaluation and characterization of Natural and Alternate Sand Resources in selected Zone of Andaman and Nicobar Islands for use in civil work:

CBRI, Roorkee has been entrusted with this study with the objective to Identify Sand resources out side the CRZ in selected Andaman and Nicobar Islands for use in construction. It is also proposed to explore other alternate sources of sand which could be used as part or full replacement of natural sand in construction work. The total cost of the project is Rs.13.20 lakhs. Draft report has been received and is being examined. Project is likely to continue during 2001-2002.

During 2001-2002, it will be the endeavor of IA Division to take decision on 80 to 100 percentage of projects received for seeking environmental clearance. For this purpose, appraisal procedures have been streamlined and the Questionnaire for collection of environmental information has been updated and published. For maintaining transparency, the status of pending projects is put on Ministry's web site and is fortnightly updated. It is also proposed to introduce e-governance in IA Division. An exercise has also been initiated for identification of scientific and technical parameters for ecologically sensitive areas.

204. RESEARCH AND ECOLOGICAL REGENERATION

(Rs. in Crores)

Name of the scheme	BE	Physical Targets
Research & Development	3.15	Initiation of new projects: 30. Servicing of ongoing projects: 105. Review & Monitoring of ongoing projects: 105. Publication of executive Summaries of completed research projects: 120.

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

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
GB PANT INSTITUTE OF HIMALAYAN ENVIRONMENT AND DEVELOPMENT R&D activities and other expenditure.	4.50	Continuation and strengthening of R&D activities and completion/initiation of new construction activities.

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

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
INTEGRATED ACTION ORIENTED R&D AND EXTENSION PROJECTS IN HIMALAYAN REGION	0.45	Continuation and strengthening of R&D activities and completion/initiation of new construction activities.

207. HAZARDOUS SUBSTANCES MANAGEMENT

It is proposed to continue various programmes suggested below and monitor the implementation of these programmes during 2001-2002. For effective implementation of various Rules on Management of Hazardous Substance, intensive interactions with State Departments of Environment, State Pollution Control Boards, State Chief Inspectorate of Factories, Educational Institutions and NGOs are envisaged. The proposed activities are summarized below:

1. Financial assistance for augmentation of infrastructure in first responder's institution for enhanced compliance of regulation on Hazardous Substances.
2. Programme and activities in the area of accident prevention and emergency planning, preparedness and response.
3. Establishment of Emergency Response Centres and Poison Control Centres.
4. Financial assistance for conduct of training courses in Accident Prevention, Emergency preparedness and Hazardous Waste Management.
5. Formulate new regulatory regime, notify amendments to existing regulations.
6. Developmental projects/studies and pilot plants.
7. Implementation of various provisions of Bio-medical Waste (Management and Handling) Rules, 1998 and Municipal Solid Waste (Management and Handling) Rules, 2000.
8. Setting up of Pilot Hazardous Wastes Treatment, Storage and Disposal Facilities (TSDF) for Hazardous Waste in the country.
9. Identification of contaminated sites and Hot Spots for remediation.
10. Elaborate policies and programmes for Sound Management of Hazardous Chemicals and Wastes – lead acid batteries, waste oil, fly ash etc.,
11. Formulation of New Schemes under Indo-Canadian bilateral agreement.
12. Elaborate policies and programmes for sound management of Bio-medical and Urban Solid Waste-Common incineration facilities, land disposal facilities, etc.,
13. Follow-up implementation and policy initiation on Agenda-21, Expert Committee, Basel Convention, PIC, POP APELL and IFCS.
14. Follow-up implementation and policy initiation due to Public Interest Litigation's in High Court and Supreme Court.
15. Implementation of Feasibility Report of ISDPP Project.
16. Notification of ERF Scheme under PLI and its implementation.
17. Implementation of the recommendations of the High Powered Committee in WP 657/95.

The budget for 2001-2002 is Rs.4.05 crores on Plan side.

208. BIO-DIVERSITY CONSERVATION

(Rs in crores)

Name of the activity	BE	Physical Targets
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Bio-diversity Conservation	2.54	*
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* Physical Targets

- Finalisation of detailed microlevel bio-diversity strategy and action plan.
- Enactment of legislation on bio-diversity.
- Ratification of Cartagena protocol on biosafety.
- Organising consultations on specific aspects relevant to bio-diversity, e.g. bio-safety, IPRs, benefit sharing , ex-situ collections, modus operandi etc.
- Implementation of the decisions of the Conference of the Parties.
- Commissioning of studies addressing specific aspects related to bio-diversity.
- Organising consultations on bio-diversity.
- Conservation of medicinal plants.
- Conservation and management of sacred groves.
- Conservation of coastal and marine bio-diversity.

209. CONSERVATION AND MANAGEMENT OF MANGROVES AND CORAL REEFS

(Rs in Crores)

Name of the Activity	BE	Physical Targets
CONSERVATION AND MANAGEMENT OF MANGROVES AND CORAL REEFS	5.00	30 MAPs on Mangroves and 4 MAPs on Coral Reefs

210. BIOSPHERE RESERVES (BRs)

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
BIOSPHERE RESERVES	4.50	14 MAPs on BRs and 10 new research projects.

211. INTERNATIONAL COOPERATION

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
UNDP-GoI-CCF	6.00	Sub-programmes will be implemented as per project objectives
Delhi Urban Environment Management Project	1.00	The reports submitted by the consultants will be examined.
India Canada Environment Facility	0.01	The project will be implemented with the available funds in ICEF.
IC Division activities	1.15	Existing activities will continue.

1. Participation in the Ninth Session of the Commission on Sustainable Development held in New York in April 2001.
2. Nomination of officials for training abroad in the field of environment & forests.
3. Implementation of the World Bank assisted Delhi Urban Environment Project.
4. Follow-up on the MoUs signed with Germany, Russia, Turkmenistan, Tajikistan, Vietnam, China and Iran.
5. Follow-up on the Indo-US and Indo-Brazil Common Agenda on Environment.
6. Follow-up on the action points related to ESCAP, SAARC, and SACEP matters.
7. Building a strong pipeline of new GEF proposals, follow up and implementation of approved GEF projects, to monitor and evaluate their progress.
8. To participate in GEF Council Meeting.

9. Assessment of the funding objectives of various lending and donor agencies (multilateral, bilateral and private) to facilitate access of more resources for projects.
10. Coordination Committee meetings to review various Externally Aided Projects in the field of Environment & Forests.
11. Participation in various Conferences of Parties/Meetings related to UN Convention on Climate Change, Biodiversity, Desertification, Montreal Protocol, Basel Convention and other Conferences in the Field of environment & Forests.
12. Implementation of UNDP-CCF programme.
13. Participation in Governing Council of UNEP.

212. TAXONOMY CAPACITY BUILDING PROJECT

(Rs. in crore)

Name of the Activity	BE	Physical Targets
Taxonomy Capacity Building Project	1.50	- Release of funds to the Centres for Research and Training. - Organising review of workshops. - Convening of Steering Committee meetings.

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

(Rs in crores)

Name of the Activity	BE	Physical Targets
ENVIRONMENTAL MANAGEMENT CAPACITY BUILDING TECHNICAL ASSISTANCE PROJECT	30.98	The original planned activities under the sub-components included for implementation in the World Bank aided project on Environmental Management Capacity Building will be continued to ensure achievement of the objectives within the remaining period of the project.

214. INDIAN INSTITUTE OF BIO-DIVERSITY (IIB)

(Rs. in Crores)

Name of the Activity	BE	Physical Targets
INDIAN INSTITUTE OF BIO-DIVERSITY (IIB)	Nil	Construction work of building, appointment of Director and staff and initiation of research work by the Institute.