

CHAPTER II-B

REVIEW OF OVERALL PERFORMANCE DURING 1996-97

FORESTRY AND WILDLIFE

INDIRA GANDHI NATIONAL FOREST ACADEMY

- 39 IFS probationers of 1995-98 underwent professional training;
- 44 IFS probationers of 1996-99 batch underwent induction training;
- 26 officers promoted to Indian Forest Service underwent short term induction course;
- In-service training to 80 IFS probationers;
- Infrastructural facilities were improved.

STATE FOREST SERVICE AND RANGERS COLLEGES

- Diplomas given : 30 officers
- Range Officers : 41 officers completed Training
- Refresher courses conducted : 7
- Computer course conducted : 5

INDIAN INSTITUTE OF FOREST MANAGEMENT, BHOPAL.

- PG Diploma; 9th batch under Training.
- M.Phil course; 3rd batch under Training.
- Number of Management Development Programme/Seminars were conducted.

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION, DEHRADUN.

Several research activities were undertaken and many Research findings were highlighted by the Council and its Institutes under the Forestry Education, Extension & Training Programme. 32 students were enrolled for M.Sc; and 30 for diploma courses; three management training programmes were organised.

INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE, BANGALORE.

- vocational training courses conducted,
- Post-graduate Diploma: 37 students participated.
- Research, extension and testing conducted
- technical inquiries received from the industry were attended to
- work on sponsored research programmes conducted.

FOREST SURVEY OF INDIA (FSI)

Items	Units/scale	Target	Achievements up to Dec'96
1. Forest Inventory	Area in sq. Km.	25,000	57.424
2. Thematic mapping	1:50,000 scale	260 map sheets	40
3. Vegetation mapping	1:2,50,000 scale	182 map sheets	93
4. Training	No of persons trained	90	74
5. Wood consumption	No of areas	4	--

FOREST CONSERVATION

Regionwise physical targets upto, December 1996-97 and achievements for monitoring cases under Forest Conservation Act 1980 and Environmental Protection Act 1986:

Sl.No.	FCA(No. of cases)		EPA (No. of cases)	
	Target	Achievement	Target	Achievement
1	2	3	4	5
1. Bangalore	165	99	100	34
2. Bhopal	165	119	100	52
3. Bhubaneswar	165	73	100	58
4. Lucknow	165	115	100	87
5. Shillong	115	33	100	07
6. Chandigarh	75	75	100	20
Total	850	514	100	258

FOREST PROTECTION AND REGENERATION

Rs.8.46 lakhs were released to the States under "modern forest fire control methods".

NATIONAL FORESTRY ACTION PLAN

Forest Policy: The final draft amending the Indian Forest Act, 1927 is under consideration. National Forestry Action Plan document is under preparation.

ASSISTANCE TO NATIONAL PARKS AND WILDLIFE SANCTUARIES

Rs.650 lakhs released to States for 40 National Parks and 150 Sanctuaries upto Jan'97.

ECO-DEVELOPMENT IN AND AROUND PROTECTED AREAS.

Rs.332 lakhs was released to 40 National Parks and Sanctuaries during the year till December, 1996 and Rs. 192 lakhs to 17 Tiger Reserves.

PROJECT TIGER

Rs.7.39 crores was released to 23 Tiger Reserves upto January 1997 for development and maintenance of Tiger habitats.

PROJECT ELEPHANT

Through this project, States with free ranging population of wild elephants are assisted to ensure long term survival of elephants in their natural habitat.

Assistance of Rs. 395.37 lakhs was provided to 9 states upto December, 96.

WILDLIFE INSTITUTE OF INDIA

Course	No. of Persons Trained
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1. M.Sc. Course in Biology	11
2. PO Diploma in Wildlife Management	11
3. Certificate course in Wildlife Management.	14

STRENGTHENING OF CENTRAL WILDLIFE DIVISIONS AND CONSULTANCIES FOR SPECIAL TASKS

Three new sub-regional offices were started. Proposal for setting up of 6 more regional offices in different parts of the country are under process.

CENTRAL ZOO AUTHORITY

The aim of the scheme is to provide financial -assistance to zoos in the country. Upto November,'96 Grants worth Rs. 114.73 lakhs have been provided to 10 zoos.

The evaluation of zoos was continued and till November'1996 72 zoos have, been evaluated. Recognition was granted to, 49 zoos.

ANIMAL WELFARE BOARD OF INDIA (AWBI)

The budgetary provisions made by AWBI to support various Animal Welfare Schemes is Rs. 18 1.00 lakhs.

Sanctions have bow issued to 177 organisations out of which 143 organisations have been released funds.

NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD

Scheme	Physical target	Physical achievement (Upto Nov.'96)	(Rs. in crores) Financial (Upto 30th Nov.96)	
			Target	Achievements
1. Integrated Afforestation and Eco-Development Projects Scheme	57,000 ha.	50,000	30.00	20.90
2. Fuelwood /Fodder Projects Scheme	68,000ha.	60,000	40.1-00	16.51
3. Non-Timber Forests Produce (including Medicinal Plants) Scheme	19,000 ha.	18,000	10.75	5.65
4. Seed Development Scheme		11 States assisted	2.50	0.54
5. Grants-in-Aid Scheme (for Voluntary Agencies)		28 Projects sanctioned	1.50	0.82

20 - POINT PROGRAMME OF AFFORESTATION.

The targets /achievements for the year 1996-97 are as follows:

	Seedling Distribution (in crores)	Area (in ha.)
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Target	111.36	1137797.00 ha.
Achievement	31.23	430213.04 ha.

ECOLOGY AND ENVIRONMENT

BOTANICAL SURVEY OF INDIA

Name of the activity	BE		Actual Expdt.		Physical Target	Physical Achievement
	Plan	Non-Plan	Plan	Non-Plan		
	(Rs. in lakhs)		upto 30.9.96			
Botanical Survey of India	342.00	715.00	137.72	322.75	-	-
Exploration Surveys					60 tours	24 tours completed till 9/96
Collection of specimens						4000 specimens
Preservation of specimens (000 Nos.)						14000 specimens
Type specimens preserved						10,000 specimens
Coverage of species under threat in red data books.					40 species to be covered.	15 species covered
Species deleted from red data book					50 sheets	Completed.

ZOOLOGICAL SURVEY OF INDIA

Financial:

	Targets (BE)	Achievements Actual (Rs. in lakhs)
Plan	273.00	118.66
Non-Plan	670.00	318.19

Physical:

Sl. No.	Particulars of activities	Targets	Achievements
1.	Exploration 58 and survey	58	17
2.	Status survey of Endangered species	1	will be taken up
3.	Taxonomic studies	4	In progress
4.	Publication	8	-
5.	Training and Extension Programmes	2	will be taken up
6.	Computerisation of datas		In progress
7.	ENVIS		In progress
8.	EIA		3 studies made

9.	Renovation of galleries		In progress
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ENVIRONMENTAL EDUCATION, AWARENESS AND TRAINING

Physical:

Item	Target for the year 1996-97	Achievements till year Oct. 96.
1. Environmental Education, Awareness and Training		
i) Establishment of Eco/Environmental Clubs in School	1000	1400
ii) Production of Environmental Education Resource Material	4	4
iii) Production of films	15	3
iv) Advertisement on Bus Panels	4	0
v) Advertisement through magazine	4	2
vi) Newspaper advertisement	2	1
vii) Radio Programmes	2	0
viii) Printing of Poster/ Poster Calendar	5	0
2. Grants-in-aid to Professional Societies	13	0
3. Paryavaran Vahini: A total of Rs. 13.95 lakhs was released for expenditure of Paryavaran Vahinis.		

Financial:

Scheme	BE (Rs. in lakhs)	RE	Expdt. Upto Oct. 96
1. Environment, Education & Training	385	385	29.34
2. Grants-in-aid to Professional Societies	10	10	Nil
3. Paryavaran Vahinis (Part of Paryavaran Sudhar Paryojna)	100	70	13.951
4. Seminar/Symposia/ workshop	30	30	2.011

ENVIRONMENTAL POLICY AND LAW

Sl.No.	Name of the Activity	BE (Rs. in lakhs)	Actual Expdt.	Physical Targets	Physical Achievements
1.	Comprehensive Legislation to remove overlapping multiplicity in the existing environmental	0.78		Preparing Draft Bill for comprehensive Legislation	Under consideration

	laws.				
2.	Environmental consciousness amongst consumers (Ecomark)	10.00	2.0 lakhs	Draft criteria for products will be placed on publicity and proposal on comprehensive testing programme & market research study survey on Eco-friendly products.	Under consideration

ENVIRONMENTAL IMPACT ASSESSMENT

Name of the Activity	Physical Target	Physical Achievement
1	2	3
1.Appraisal of Projects		
a) Industries	60	64
b) Mining		
i) Env. clearance	30	32
ii) Site clearance	60	86
c) Thermal Power	24	39
d) River Valley and Hydro Electric Project	16	10
e) Infrastructure & Miscellaneous projects	40	35
f) Nuclear Power	1	Nil

INDIRA GANDHI PARYAVARAN PURASKAR (IGPP)

Nominations have been invited by the Ministry for IGPP award 1996 and are being processed for finalisation of the awardees.

ADOPTION OF CLEAN TECHNOLOGIES IN SMALL SCALE INDUSTRIES

Physical Targets:

Award of work for conducting waste minimisation and demonstration studies in selected sectors are being done. Award of work for preparation of sector specific manuals on waste minimisation in the identified sectors sponsored. Sector specific training programmes on waste minimisation and pollution prevention through DC:SSI, for personnel in SIDO through SISIs and for the entrepreneurs.

Financial:

(Rs.in crores)

Name of the activity	BE	Actual expdt.	Physical target	Physical achievement
1. Environmental Impact Assessment & CT	4.29	0.74	One study	One study completed
2. Development & promotion	0.10	-	Setting up the Indian Centre	-

of cleaner technologies			for promotion of cleaner technologies.	
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ENVIRONMENTAL AUDIT

BE: Rs. 10.00 lakhs; Actual Expenditure R9. 10.00 lakhs

Physical targets/achievements

1. Organisation of sector-specific environmental audit training programmes.- Done in four sectors.
2. Organisation of training programmes for the officials of Central and State Pollution Control Boards on the use of software "PARYAVARAN" for analysis of environmental statements.
3. To award work for organising more training progrannues on environmental audit to selected sectors.
4. To request SPCBs to arrange analysis of environmental statements received by them: Done.
5. To promote environmental audit as a management tool.

ENVIRONMENTAL STATISTICS AND MAPPING

Environmental Statistics and Mapping - scheme is continuing.

Physical Achievements:

1. Under the project sponsored to NISTADS, activities relating to production of computerized maps and preparation of zoning atlas for siting of industries in selected districts of different states using GIS have been carried out.
2. Under the project sponsored to EPTRI, information relating to industrial pollution in the two industrial towns of Kakinada and Vishakhapatnam is being compiled.

NATIONAL MUSEUM OF NATURAL HISTORY

Name of the activity	BE	Actual Expdt.	Physical Target	Physical Achievement
Financial:	Rs.3.00 crore	Rs.79.24 lakhs		
Physical: Collection of specimens	-	-	Collection of specimens for RMNHs and NMNH	642 (till 9/96)
Acquisition/ preparation of exhibits. Training of staff	-	-	Development of Gallery Training in computer	Under progress 5 persons in computer operation
Publications; a) Regular b) Occasional			Monthly calendar	Done i) 2 Nos. new publications upto 30.9.96. ii) 30 New publications under process.
Coverage of visitors and other beneficiaries in 1996-97			7,00,000	5,00,000
a) Education services i) Teacher Training ii) Summer camp and winter camp			- -	140 teachers trained 6 programmes conducted for school children 115 schools covered

iii)	School Loan Service		-	
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CIVIL CONSTRUCTION UNIT

Financial: (Rs. in lakhs)

Civil works	595.00
Civil Engineering Wing	95.00
Total	690.00
Deposit works	1200.00
Total	1890.00

Physical:

Sl. No.	Name of the Activity	BE (Rs. in lakhs)	Actual Expdt. (Rs. in lakhs)	Physical target (works)	Physical achievements
1	2	3	4	5	6
	Botanical Survey of India	50.00	1.00	5 projects	70-98% 3 under progress 2 under sanction
	Zoological Survey of India	190.00	4.79	7 projects	1 completed 6 under progress
	National Museum of Natural History	110.00	115.00	4 projects	Not yet sanctioned
	Forest Survey of India	50.00	1.81	1	Work recently sanctioned.

ENVIRONMENTAL INFORMATION SYSTEM (ENVIS)

Physical:

ENVIS Centres	21	- Continued
Other activities		- Continued

The network responded to 9979 queries in the field of Environment and its associated areas and-provided substantial information to its user during the year.

Financial:

RE: Rs. 164.00 lakhs; Actual Expenditure: Rs. 80 lakhs

Centres of Excellence:

(a) Centre for Mining Environment, Dhanbad

BE: Rs. 32 lakhs; Actual Expenditure Rs. 23.50 lakhs upto Sept. 96.

The centres continued their research programines as targeted. New R&D Project sanctioned; 9, M. Tech Degree Awarded to 22 students, 31 projects continued.

(b) Centre for Ecological Sciences, Bangalore

BE: Rs. 60 lakhs; Actual Expenditure Rs.30 lakhs upto Sept. 96.

37 projects- continued, 10 new R&D projects undertaken, Short Term Courses and workshops continued.

C) Centre for Environmental Education, Ahmedabad

RE Rs. 175 lakhs; Actual Expenditure: Rs.86 lakhs upto Oct. 96

Activities relating to Environmental Awareness, Teachers and students tracing, EE Modules etc. continued.

d) CPR Environmental Education Centre, Madras:

RE Rs. 79 lakhs; Actual Expenditure Rs.35 lakhs till October, 96

Activities relating to Environmental Education, Research and Training etc. continued.

e) Salim Ali Centre for Ornithology & Natural History (SACON)

RE Rs. 213 lakhs; Actual expenditure Rs.41 lakhs

Research & Extension activities relating to Ornithology & Natural History etc. were continued. Construction of building to be completed. 20 R&D projects continued.

NATIONAL NATURAL RESOURCE MANAGEMENT SYSTEM (NNRMS)

Financial

BE: Rs. 100 lakhs

Actual expenditure (upto, 30.9.96): Rs.21.00 lakhs

Physical Target and Achievement:

The project continued as targeted.

NATIONAL RIVER CONSERVATION DIRECTORATE

Financial & Physical targets and achievements:

Name of the Activity	BE	Actual Expdt. (Rs. in lakhs)	Physical Target (Rs. in lakhs)	Physical achievement
Ganga Action Plan, Phase-I	2200.00	540.14	Completion of 18 schemes.	5 schemes completed.
Ganga Action Plan, Phase-II	7000.00	2150.85	173 DPR's to be cleared	127 DPR's cleared
NRAP	1400.00	120.09	75 DPR's to be cleared	34 DPR's cleared
Total	10600.00	2811.08		

CENTRAL POLLUTION, CONTROL BOARD (CPCB)

Financial: BE 475 .00 lakhs. Actual Expenditure (as on 31.10.96):194.00 lakhs.

S.No	Subject	No. of Programmes	Targets	Achievements
1.	Pollution Assessment	6	6	3 completed,
2.	Laboratory Management	20 items in 5 categories 10 items	1st Qtr 2nd Qtr.	continued/under progress
3.	Development of Standards & Ecomark	17 items 7 items	1st Qtr 2nd Qtr.	at different stage of progress
4.	Training	2		Under planning
5.	Data Base Management & Library	6 items 4 items	1st Qtr 2nd Qtr.	Continued/under progress
6.	Pollution Control Enforcement	14 schemes 15 schemes	1st Qtr 2nd Qtr.	under progress
7.	Pollution Control Technology	18 items under 8 categories 11 items in 5 categories	1st Qtr 2nd Qtr.	under progress
8.	Mass Awareness, NGO & Publications	7 schemes		2 completed; rest under progress
9.	Pollution Awareness & Assistance Centre	5 items		at planning stage
10.	Hazardous Waste Management	4 schemes		under progress

CONSERVATION AND MANAGEMENT OF WETLAND

Financial and physical targets and achievements:

Name of the activity	BE	Actual expdt. (Rs. in lakhs)	Physical target	Physical achievements
Management action , plans (MAP)	120	35	18 MAP	I MAP
Research	30	5.46	-	-

ASSISTANCE TO BOTANIC GARDENS

Financial & physical targets & achievements:

Name of the	BE	Actual expdt.	Physical target	Physical achievement
Assistance to Botanic Garden	50	41	10 gardens	Completed

ENVIRONMENTAL RESEARCH & DEVELOPMENT

Financial: BE: Rs . 365 lakhs, Actual Expdt: Rs.212 lakhs

Physical

Projects continued	175
New projects sanctioned	17
Likely to be sanctioned during the year	8
Projects completed	28
Progress reviewed	58

BP Pal National Environment Fellowship Award for 1996 awarded.
The Pitamber Pant Award 1996 awarded.

G.B. PANT INSTITUTE OF HIMALAYAN ENVIRONMENT & DEVELOPMENT

Financial & Physical targets & achievements:

Name of the Activity	BE	Actual Expdt.	Physical Target	Physical achievement
G. B. Pant Instt.	457	202	Completion of Building at Kullu. Initiation of building work at Sikkim. R&D work to continue	Building at Kullu likely to be completed. Work at Sikkim initiated. R & D work continued.
Other project continued			26	-

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

Financial & Physical targets & achievements:

Name of the Activity	BE (Rs. in lakhs)	Actual Expdt. (Rs. in lakhs)	Physical Target	Physical achievement
Integrated Action Oriented Eco-Dev Res. in Himalaya	39	39	10 New projects to be initiated. 4 projects to be completed	6 projects sanctioned. Remaining 4 projects are likely to be completed.

HAZARDOUS SUBSTANCES MANAGEMENT

a) Physical Achievements: (Upto 30th Sept 1996)

1. The Red Book for Crisis Management has been revised.
2. The "Chemical Accidents (Emergency Planning, Preparedness, and Response) Rules, 1996" has been notified.
3. The Central Crisis Group has been notified and the activities related to establishment of Crisis Alert System have been initiated.
4. Eight Consultants are being appointed to carry out hazard analysis for 10 industrial pockets.
5. 19 reports have been reviewed.
6. Rule on Bio-medical Waste would be notified shortly.
7. Notification on banning of arsenic, cyanide and mercury containing wastes has to be issued.
8. A high level Committee has been constituted under the Chairmanship of Dr. R. A. Mashelkar, DG, CSIR, for characterisation and identification of hazardous wastes.
9. Amendment of Hazardous Wastes (Management & Handling) Rules, 1989 is being finalised.

10. A Japanese Grant of US \$ 910,000 (Rs.3.8 crores) has been received for conducting feasibility studies for formulation of World Bank studies on Industrial Safety, Disaster Prevention and Hazardous Waste, Management.

Budgetary allocation was Rs.5.80 crores and actual expenditure in Rs.3.50 crores.

CONSERVATION AND MANAGEMENT OF MANGROVES

Six management action plans were finalised and are under process for the release of

financial assistance. The Nine management action plans are expected to be sanctioned during the current financial year:

Name of the Activity	BE	Actual Expdt.	Physical targets	Physical Achievements
	(Rs. in lakhs)			
Mangroves Management action plans (MAPs)	120	62	15 MAPs	6 MAPs sanctioned 9 MAPs under process
Coral Reefs (MAPs)	-	-	4 MAPs	1 MAP sanctioned
Research	30	-	-	-

BIOSPHERE RESERVES

During 1996-97, the National Committee on Biosphere Reserves approved the financial assistance for the Management Action Plans for Nilgiri, Sunderbans, Gulf of Mannar, Nokrek, Nanda Devi and Andaman & Nicobar Biosphere Reserves. Total amount released is Rs. 86.46 lakhs.

It recommended 3 research projects. An amount of Rs. 15.00 lakhs has been sanctioned so far.

BIODIVERSITY CONSERVATION

A National Action Plan on biological diversity is under finalisation.

Biosafety Protocol: An inter-ministerial Task Force on Biosafety was constituted.

Biodiversity Information Network : An exercise has been initiated to develop a distributed biodiversity Information network.

Capacity building in Taxonomy : Taxonomic capacity of the country is under study.

Consultation with State Governments : A detailed paper bringing out the various issues -relevant to the States on the subject of biodiversity has been prepared.

Traditional knowledge and benefit sharing : A workshop is also being planned on the subject involving the industry, experts, NGOs, through the IIM, Ahmedabad.

In the second and the third meetings of Conference of the Parties to the CBD, India emphasised inclusion of additional obligation for patent applications to: disclose the country of origin for biological material and information pertaining to knowledge, innovations and practices of indigenous and local communities; statement and Material Transfer Agreement or Information Transfer Agreement with the country of origin have been entered into upon mutually agreed terms.

Legislation

Work pertaining to legislation on biodiversity was continued during the year.

India participated in six international meetings related to biodiversity.

India's annual contribution for the year 1996 to the Trust Fund of the Convention, amounting to approximately Rs.9.50 lakhs was processed for payment to UNEP.

Financial:

Name of the Activity	BE	Actual Expend.	Physical targets	Physical Achievements
	(Rs. in lakhs)			
Biodiversity	25	1.5	Anticipated expenditure Rs. 25 lakhs	

INTERNATIONAL COOPERATION

The Ministry of Environment and Forests is the nodal agency in the country for United Nations Environment Programme (UNEP), Nairobi, South Asia Cooperative Environment Programme (SACEP), Colombo, International Centre for Integrated Mountain Development (ICIMOD), Kathmandu and the International Union for Conservation of Nature and Natural Resources (IUCN). Annual financial contributions are made to these organizations. The Ministry also functions as the nodal agency for participation in international agreements relating to environment.

(a) Global Environment Facility (GEF):

Seven projects for GEF funding have been approved for India. Some new projects have been formulated and are being considered for possible GEF assistance.

(b) Commission on Sustainable Development:

The fourth session of the Commission on Sustainable Development (CSD) was held in New York over 18th April to 3rd May, 1996.

(c) United Nations Environment Programme (UNEP):

The 19th Session of the Governing Council of the United Nations Environment Programme (UNEP) was to be held at Nairobi, Kenya from 27th January to 7th February, 1997.

(d) Indo - US Common Agenda for Environment:

A Joint statement of Intent was signed in April, 1995 between India and USA for a common Agenda on Environment.

The first meeting of the Steering Committee under the Indo-US Common Agenda was held on 17.11.96.

(e) Indo-Brazil Common Agenda for Environment:

A Common Agenda for Environment was signed between the Government of India and Brazil in New Delhi on 2.7th January, 1996 to promote closer and long-term cooperation in the field of environment.

(f) India - Canada Environment Facility: (ICEF):

India-Canada Environment Facility was on the basis of Memorandum of understanding signed between the Government of India and Canada.

So far ICEF has approved five projects for funding.

(g) Other Activities:

ESCAP:- ESCAP organised four seminar/workshop so far.

SAARC:- Three workshop/meetings held by SAARC.

SACEP:- The First Consultation Meeting of the Regional Inter-governmental Consultation to review the draft of the Global Environmental Outlook (GEO) was held from 23-24 July, 1996 at Kathmandu. India participated in the consultation.

(h) International Trainings/Seminar/Workshops:

Officials from the Ministry of Environment and Forests, State Environment and Forests Department, Central and State Pollution Control Boards, NGOs and autonomous bodies/institutions of Central and State Governments were nominated for the international Trainings/Seminars/ Workshops, etc.

(i) Implementation of the U.N. Convention to combat desertification:

During the year India was represented in three conferences under this.

(j) World Bank Aided Industrial Pollution Control and Prevention Projects (Phase - I&II):

Name of the Activity	BE	Actual Expdt.	Physical targets	Physical Achievements
	(Rs. in lakhs)			
1006-97 Pollution Control Project	14.00	39.23(in lakhs upto Dec. 1996)	Procurement, establishment of Waste Minization Circles, approval of projects under demonstration & technical assistance component, training and grants for construction of laboratories for the identified state boards.	Under progress
CETPs 1996-97	3.00	3.00	This component is aimed at extending CETPs in various States	Under progress