MINISTRY OF ENVIRONMENT AND FORESTS

DEMAND NO. 31

Ministry of Environment and Forests

A. The Budget allocations, net of recoveries and receipts, are given below:

(In crores of Rupees)

	Major Head	Actual 2012-2013			Budget 2013-2014			Revised 2013-2014			Budget 2014-2015		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
	Revenue	1564.48	113.39	1677.87	2367.38	193.75	2561.13	1810.87	183.55	1994.42	1944.34	205.55	2149.89
	Capital	*59.67*	*15.83*	*75.50*	*62.62*	*6.45*	*69.07*	*39.13*	*6.45*	*45.58*	*98.66*	*7.45*	*106.11*
	Total	**1624.15**	**129.22**	**1753.37**	**2430.00**	**200.20**	**2630.20**	**1850.00**	**190.00**	**2040.00**	**2043.00**	**213.00**	**2256.00**
1. Secretariat-Economic Services	3451	...	42.63	42.63	...	46.24	46.24	...	42.47	42.47	...	48.57	48.57
Forestry and Wildlife													
2. Education and Training													
2.01 State Forest Rangers College	2406	4.82	7.25	12.07	5.85	7.94	13.79	4.49	7.11	11.60	4.75	7.79	12.54
	4406	...	...	...	...	...	...	...	...	...	1.00	...	1.00
	Total	*4.82*	*7.25*	*12.07*	*5.85*	*7.94*	*13.79*	*4.49*	*7.11*	*11.60*	*5.75*	*7.79*	*13.54*
2.02 Indira Gandhi National Forest Academy	2406	29.31	12.10	41.41	30.32	12.68	43.00	25.85	13.61	39.46	29.80	14.56	44.36
	4406	...	...	...	...	...	...	...	...	...	2.20	...	2.20
	Total	*29.31*	*12.10*	*41.41*	*30.32*	*12.68*	*43.00*	*25.85*	*13.61*	*39.46*	*32.00*	*14.56*	*46.56*
2.03 Training of I.F.S. Officers	2406	2.08	...	2.08	2.10	...	2.10	3.10	...	3.10	2.50	...	2.50
2.04 Indian Institute of Forestry Management	2406	10.50	2.39	12.89	11.18	2.60	13.78	9.75	2.59	12.34	12.00	2.60	14.60
2.05 Training of Personnel of other services	2406	0.33	...	0.33	0.60	...	0.60	0.39	...	0.39	0.60	...	0.60
2.06 Foreign Training of Forestry Personnel	2406	0.02	...	0.02	0.40	...	0.40	...	...	...	0.40	...	0.40
2.07 Training of Other Stakeholders	2406	0.38	...	0.38	0.20	...	0.20	0.15	...	0.15	0.20	...	0.20
2.08 Capacity Building for Forest Management & Training of Personnel													
2.08.01 Programme Component	2406	...	...	...	1.50	...	1.50	0.10	...	0.10	4.00	...	4.00
2.08.02 EAP Component	2406	40.32	...	40.32	48.50	...	48.50	8.70	...	8.70	28.00	...	28.00
Total- Capacity Building for Forest Management & Training of Personnel		*40.32*	*...*	*40.32*	*50.00*	*...*	*50.00*	*8.80*	*...*	*8.80*	*32.00*	*...*	*32.00*
Total- Education and Training		*87.76*	*21.74*	*109.50*	*100.65*	*23.22*	*123.87*	*52.53*	*23.31*	*75.84*	*85.45*	*24.95*	*110.40*
3. Research													
3.01 Indian Council of Forestry Research and Education	2406	110.25	23.37	133.62	136.16	24.10	160.26	111.31	24.10	135.41	130.66	26.00	156.66

(In crores of Rupees)

	Major Head	Actual 2012-2013			Budget 2013-2014			Revised 2013-2014			Budget 2014-2015		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
3.02 Indian Plywood Industries Research Institute	2406	7.35	2.20	9.55	7.72	2.30	10.02	6.46	2.26	8.72	7.72	2.30	10.02
Total- Research		*117.60*	*25.57*	*143.17*	*143.88*	*26.40*	*170.28*	*117.77*	*26.36*	*144.13*	*138.38*	*28.30*	*166.68*
4. Survey and Utilisation of Forest Resources - Forest Survey of India	2406	7.26	10.11	17.37	7.78	11.16	18.94	7.78	10.12	17.90	8.24	11.11	19.35
	4406	...	...	...	...	...	...	...	...	...	0.50	...	0.50
	Total	*7.26*	*10.11*	*17.37*	*7.78*	*11.16*	*18.94*	*7.78*	*10.12*	*17.90*	*8.74*	*11.11*	*19.85*
5. Forest Conservation, Development and Regeneration													
5.01 Regeneration - Strengthening of Forest Divisions	2406	11.22	...	11.22	29.15	...	29.15	13.10	...	13.10	26.14	...	26.14
	4406	0.20	...	0.20	0.50	...	0.50	0.50	...	0.50	1.54	...	1.54
	Total	*11.42*	*...*	*11.42*	*29.65*	*...*	*29.65*	*13.60*	*...*	*13.60*	*27.68*	*...*	*27.68*
5.02 Intensification of Forest Management	2406	0.62	...	0.62	1.80	...	1.80	0.22	...	0.22	...	...	...
	3601	51.00	...	51.00	45.64	...	45.64	38.64	...	38.64	...	...	...
	3602	...	...	...	0.01	...	0.01	...	...	...	...	...	...
	Total	*51.62*	*...*	*51.62*	*47.45*	*...*	*47.45*	*38.86*	*...*	*38.86*	*...*	*...*	*...*
5.03 National Forestry Information System	2406	0.07	...	0.07	2.35	...	2.35	1.46	...	1.46	3.50	...	3.50
5.04 National Coordinated Programme for Assessment of Non-Timber Forest Product Resources	2406	0.13	...	0.13	0.20	...	0.20	0.10	...	0.10	0.20	...	0.20
5.05 Certification Programme for Wood and Non-Wood Forest Resources	2406	0.14	...	0.14	0.20	...	0.20	0.02	...	0.02	0.10	...	0.10
Total- Forest Conservation, Development and Regeneration		*63.38*	*...*	*63.38*	*79.85*	*...*	*79.85*	*54.04*	*...*	*54.04*	*31.48*	*...*	*31.48*
6. Wildlife Preservation													
6.01 Wildlife Institute of India	2406	18.28	1.86	20.14	18.99	1.94	20.93	20.28	1.88	22.16	20.99	2.05	23.04
6.02 Project Tiger	2406	1.00	...	1.00	7.00	...	7.00	7.00	...	7.00	...	...	...

(In crores of Rupees)

	Major Head	Actual 2012-2013 Plan	Actual 2012-2013 Non-Plan	Actual 2012-2013 Total	Budget 2013-2014 Plan	Budget 2013-2014 Non-Plan	Budget 2013-2014 Total	Revised 2013-2014 Plan	Revised 2013-2014 Non-Plan	Revised 2013-2014 Total	Budget 2014-2015 Plan	Budget 2014-2015 Non-Plan	Budget 2014-2015 Total
16.02.01 Programme Component	3435	288.67	...	288.67	203.46	...	203.46	194.16	...	194.16	...	...	...
16.02.02 EAP Component	3435	62.24	...	62.24	315.00	...	315.00	252.08	...	252.08	...	...	...
Total- National River Conservation Plan		*350.91*	*...*	*350.91*	*518.46*	*...*	*518.46*	*446.24*	*...*	*446.24*	*...*	*...*	*...*
16.03 National Plan for Conservation of Aquatic Eco-Systems (NPCA)	3435	52.38	...	52.38	60.00	...	60.00	48.81	...	48.81	...	...	...
	3601	...	...	...	8.50	...	8.50	5.04	...	5.04	...	...	...
	Total	*52.38*	*...*	*52.38*	*68.50*	*...*	*68.50*	*53.85*	*...*	*53.85*	*...*	*...*	*...*
Total- Prevention of Pollution of National Rivers		*409.52*	*...*	*409.52*	*594.01*	*...*	*594.01*	*506.81*	*...*	*506.81*	*...*	*...*	*...*
17. Prevention of Air & Water Pollution													
17.01 Prevention and control of Water Pollution (Cess)													
17.01.01 Cess Expenditure	3435	...	158.77	158.77	...	250.00	250.00	...	250.00	250.00	...	250.00	250.00
17.01.02 Less: Water Cess Receipts Netted	0045	...	-226.19	-226.19	...	-250.00	-250.00	...	-250.00	-250.00	...	-250.00	-250.00
	Net	*...*	*-67.42*	*-67.42*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*
17.02 Establishment of Environment Authorities and Environmental Commission & Tribunal	3435	5.67	...	5.67	14.00	...	14.00	18.96	...	18.96	37.13	...	37.13
17.03 Central Pollution Control Board	3435	25.50	20.99	46.49	57.72	21.00	78.72	50.00	18.90	68.90	57.92	23.10	81.02
17.04 Promotion of Common Effluent Treatment Plants	3435	4.20	...	4.20	6.00	...	6.00	5.66	...	5.66	9.00	...	9.00
Total- Prevention of Air & Water Pollution		*35.37*	*-46.43*	*-11.06*	*77.72*	*21.00*	*98.72*	*74.62*	*18.90*	*93.52*	*104.05*	*23.10*	*127.15*
18. Impact Assessment													
18.01 Environment Impact Assessment Programme	3435	3.15	0.10	3.25	3.68	0.10	3.78	2.26	0.09	2.35	3.68	0.10	3.78
18.02 Development and Promotion of Clean Technology (DPCT) and Waste Minimisation Strategies (Previously DPCT)	3435	2.79	...	2.79	4.78	...	4.78	4.78	...	4.78	5.00	...	5.00
Total- Impact Assessment		*5.94*	*0.10*	*6.04*	*8.46*	*0.10*	*8.56*	*7.04*	*0.09*	*7.13*	*8.68*	*0.10*	*8.78*
Total-Prevention and Control of Pollution		**450.83**	**-46.33**	**404.50**	**680.19**	**21.10**	**701.29**	**588.47**	**18.99**	**607.46**	**112.73**	**23.20**	**135.93**
19. Other Programmes													
19.01 Abatement of Pollution													
19.01.01 Programme Component	3435	3.54	...	3.54	5.35	...	5.35	1.76	...	1.76	3.85	...	3.85
19.01.02 EAP Component	3435	0.50	...	0.50	...	...	...	1.00	...	1.00	1.00	...	1.00
Total- Abatement of Pollution		*4.04*	*...*	*4.04*	*5.35*	*...*	*5.35*	*2.76*	*...*	*2.76*	*4.85*	*...*	*4.85*
19.02 Hazardous Substance Management													
19.02.01 Programme Component	3435	2.04	...	2.04	7.85	...	7.85	2.87	...	2.87	5.00	...	5.00
19.02.02 EAP Component	3435	22.61	...	22.61	32.00	...	32.00	1.00	...	1.00	20.00	...	20.00

(In crores of Rupees)

	Major Head	Actual 2012-2013			Budget 2013-2014			Revised 2013-2014			Budget 2014-2015		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
19.02.03 National Clean Energy Fund (NCEF) Component													
19.02.03.01 Expenditure	3435	10.00	...	10.00	...	...	...	...	...	...	...	...	...
19.02.03.02 Met from NCEF	3435	-10.00	...	-10.00	...	...	...	...	...	...	...	...	...
Total- Hazardous Substance Management		*24.65*	*...*	*24.65*	*39.85*	*...*	*39.85*	*3.87*	*...*	*3.87*	*25.00*	*...*	*25.00*
19.03 Natural Resources Management	3435	4.72	...	4.72	5.00	...	5.00	2.82	...	2.82	4.00	...	4.00
19.04 Govt. of India - United Nations Development Programme - Environment Support Programme (EAP)	3435	0.84	...	0.84	...	...	...	...	...	...	...	...	...
19.05 Taxonomy Capacity Building Project	3435	0.30	...	0.30	1.90	...	1.90	0.20	...	0.20	1.90	...	1.90
19.06 Biodiversity Conservation													
19.06.01 Programme Component	3435	73.14	...	73.14	69.98	...	69.98	39.40	...	39.40	49.00	...	49.00
19.06.02 EAP Component	3435	0.79	...	0.79	2.00	...	2.00	1.10	...	1.10	1.00	...	1.00
Total- Biodiversity Conservation		*73.93*	*...*	*73.93*	*71.98*	*...*	*71.98*	*40.50*	*...*	*40.50*	*50.00*	*...*	*50.00*
19.07 Information Technology	3435	4.40	...	4.40	5.00	...	5.00	3.11	...	3.11	5.00	...	5.00
19.08 Civil Construction Unit	5425	45.03	4.83	49.86	39.12	5.45	44.57	23.00	5.45	28.45	33.12	6.45	39.57
19.09 National Coastal Management Programme (EAP)	3435	25.00	...	25.00	125.00	...	125.00	86.68	...	86.68	160.80	...	160.80
19.10 Bio-diversity Conservation and Rural Livelihood Improvement Project (EAP)	3435	1.35	...	1.35	5.00	...	5.00	9.90	...	9.90	...	...	...
19.11 Desertification Cell													
19.11.01 General Component	3435	...	...	...	1.50	...	1.50	0.05	...	0.05	1.11	...	1.11
19.11.02 EAP Component	3435	...	...	...	...	...	...	0.57	...	0.57	0.39	...	0.39
Total- Desertification Cell		*...*	*...*	*...*	*1.50*	*...*	*1.50*	*0.62*	*...*	*0.62*	*1.50*	*...*	*1.50*
Total- Other Programmes		*184.26*	*4.83*	*189.09*	*299.70*	*5.45*	*305.15*	*173.46*	*5.45*	*178.91*	*286.17*	*6.45*	*292.62*
20. Climate Change Action Plan	3435	4.45	...	4.45	32.35	...	32.35	4.09	...	4.09	23.00	...	23.00
Total-Ecology and Environment		**829.76**	**6.77**	**836.53**	**1198.43**	**78.85**	**1277.28**	**929.07**	**73.88**	**1002.95**	**745.80**	**84.24**	**830.04**
21. Lumpsum Provision for Projects/Schemes for the benefit of North-Eastern Region and Sikkim	2552	...	...	...	190.25	...	190.25	148.92	...	148.92	46.22	...	46.22
State and UT Plan													
22. Intensification of Forest Management	2406	...	...	...	...	...	...	...	...	...	1.80	...	1.80
	3601	...	...	...	...	...	...	...	...	...	54.24	...	54.24
	3602	...	...	...	...	...	...	...	...	...	0.51	...	0.51
	Total	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*...*	*56.55*	*...*	*56.55*
23. Project Tiger	2406	...	...	...	...	...	...	...	...	...	10.00	...	10.00

(In crores of Rupees)

	Major Head	Actual 2012-2013 Plan	Actual 2012-2013 Non-Plan	Actual 2012-2013 Total	Budget 2013-2014 Plan	Budget 2013-2014 Non-Plan	Budget 2013-2014 Total	Revised 2013-2014 Plan	Revised 2013-2014 Non-Plan	Revised 2013-2014 Total	Budget 2014-2015 Plan	Budget 2014-2015 Non-Plan	Budget 2014-2015 Total
	3601	...	...	...	...	...	...	...	...	...	151.02	...	151.02
	Total	...	...	...	...	...	...	...	...	...	*161.02*	...	*161.02*
24. Project Elephant	2406	...	...	...	...	...	...	...	...	...	8.00	...	8.00
	3601	...	...	...	...	...	...	...	...	...	21.08	...	21.08
	Total	...	...	...	...	...	...	...	...	...	*29.08*	...	*29.08*
25. Integrated Development of Wild Life Habitats	2406	...	...	...	...	...	...	...	...	...	2.00	...	2.00
	3601	...	...	...	...	...	...	...	...	...	68.15	...	68.15
	Total	...	...	...	...	...	...	...	...	...	*70.15*	...	*70.15*
26. National Afforestation Programme	3601	...	...	...	...	...	...	...	...	...	253.15	...	253.15
27. Green India Mission	2406	...	...	...	...	...	...	...	...	...	2.00	...	2.00
	3601	...	...	...	...	...	...	...	...	...	62.00	...	62.00
	Total	...	...	...	...	...	...	...	...	...	*64.00*	...	*64.00*
28. Biosphere Reserves	3435	...	...	...	...	...	...	...	...	...	0.70	...	0.70
	3601	...	...	...	...	...	...	...	...	...	6.80	...	6.80
	Total	...	...	...	...	...	...	...	...	...	*7.50*	...	*7.50*
29. Conservation of Corals and Mangroves	3435	...	...	...	...	...	...	...	...	...	1.69	...	1.69
	3601	...	...	...	...	...	...	...	...	...	5.80	...	5.80
	Total	...	...	...	...	...	...	...	...	...	*7.49*	...	*7.49*
30. National Plan for Conservation of Aquatic Eco-Systems (NPCA)	3435	...	...	...	...	...	...	...	...	...	1.00	...	1.00
	3601	...	...	...	...	...	...	...	...	...	71.00	...	71.00
	3602	...	...	...	...	...	...	...	...	...	0.50	...	0.50
	Total	...	...	...	...	...	...	...	...	...	*72.50*	...	*72.50*
31. Bio-diversity Conservation and Rural Livelihood Improvement Project (EAP)	3435	...	...	...	...	...	...	...	...	...	1.50	...	1.50
	3601	...	...	...	...	...	...	...	...	...	13.50	...	13.50
	Total	...	...	...	...	...	...	...	...	...	*15.00*	...	*15.00*
32. Environmental Management in Heritage, Pilgrimage and Tourist Centres including Taj Protection Mission	3601	...	...	...	...	...	...	...	...	...	0.01	...	0.01
33. Lumpsum Provision for Projects/Schemes for the benefit of North-Eastern Region and Sikkim	2552	...	...	...	...	...	...	...	...	...	135.55	...	135.55
Total-State and UT Plan		**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**872.00**	**...**	**872.00**
34. Actual Recoveries	2406	-0.08	...	-0.08	...	...	...	...	...	...	...	...	...
	3435	-11.94	...	-11.94	...	...	...	...	...	...	...	...	...
	Total	*-12.02*	...	*-12.02*	...	...	...	...	...	...	...	...	...

(In crores of Rupees)

	Major Head	Actual 2012-2013			Budget 2013-2014			Revised 2013-2014			Budget 2014-2015		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total	Plan	Non-Plan	Total
Grand Total		***1624.15***	***129.22***	***1753.37***	***2430.00***	***200.20***	***2630.20***	***1850.00***	***190.00***	***2040.00***	***2043.00***	***213.00***	***2256.00***
	Head of Dev	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
C. Plan Outlay													
Central Plan:													
1. Forestry and Wild Life	12406	806.33	...	806.33	1041.32	...	1041.32	772.01	...	772.01	378.98	...	378.98
2. Ecology and Environment	13435	817.82	...	817.82	1198.43	...	1198.43	929.07	...	929.07	745.80	...	745.80
3. North Eastern Areas	22552	...	...	...	190.25	...	190.25	148.92	...	148.92	46.22	...	46.22
Total - Central Plan		**1624.15**	**...**	**1624.15**	**2430.00**	**...**	**2430.00**	**1850.00**	**...**	**1850.00**	**1171.00**	**...**	**1171.00**
State Plan:													
1. Conservation of Natural Resources and Ecosystems	43601	...	...	...	...	...	...	...	...	...	102.00	...	102.00
2. National Afforestation Programme (National Mission for A Green India)	43601	...	...	...	...	...	...	...	...	...	373.19	...	373.19
3. Integrated Development of Wild Life Habitats	43601	...	...	...	...	...	...	...	...	...	91.23	...	91.23
4. Project Tiger	43601	...	...	...	...	...	...	...	...	...	169.02	...	169.02
5. North Eastern Areas	43601	...	...	...	...	...	...	...	...	...	135.55	...	135.55
Total - State Plan		**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**870.99**	**...**	**870.99**
Union Territory Plans :													
Union Territory Plans (with Legislature)													
1. Conservation of Natural Resources and Ecosystems	43602	...	...	...	...	...	...	...	...	...	0.50	...	0.50
2. National Afforestation Programme (National Mission for a Green India)	43602	...	...	...	...	...	...	...	...	...	0.51	...	0.51
Total - Union Territory Plans		**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**...**	**1.01**	**...**	**1.01**
Total		**1624.15**	**...**	**1624.15**	**2430.00**	**...**	**2430.00**	**1850.00**	**...**	**1850.00**	**2043.00**	**...**	**2043.00**

1. **Secretariat-Economic Services:** The provision is for secretariat expenditure of the Ministry of Environment & Forests.

2.01. **State Forest Service Rangers College:** There are 3 Central Academies for State Forest Sevice located at Dehradun, Burnihat and Coimbatore. These colleges run two year courses for SFS Officers.

Rangers College: One Ranger College is situated at Kurseong (West Bengal). The College provides training to Range Officers of the State Forest Departments.

2.02. **Indira Gandhi National Forest Academy:** The Academy was created on 25.5.1987 by upgrading the Indian Forests College at Dehradun and de-linking it from the Forest Research Institute. The Academy is responsible for training the Indian Forest Service Officers.

2.03. **Training of I.F.S. officers:** Under this scheme, in-service training is provided to I.F.S. officers on emerging issues in forestry sector.

2.04. **Indian Institute of Forestry Management:** This Institute was established during the Sixth Plan as an autonomous body to develop managerial skills and specialization relating to conservation, optimum utilisation and increasing production and productivity over space and time in forest based products as well as large afforestation and special forest programme.

3.01. **Indian Council of Forestry Research and Education:** The Council was set up with a view to achieve the national goals of conserving existing forest area and to increase productivity of forests. The Indian Council of Forestry Research and Education (ICFRE) has been given autonomous status w.e.f. 1.6.1991. The Forest Research Institute, Dehradun is a centre of excellence in research. In

addition, ICFRE has eight Regional Research institutes and four advanced research centre in different Eco-Geographic Regions of the country to take care of the research needs for the regions.

3.02. **Indian Plywood Industries Research Institute:** The Institute was established in 1983 jointly by the Plywood Industries and the Government of India for efficient utilisation of timber.

4. **Survey and Utilisation of Forest Resources:** Forest Survey of India, Dehradun carries out comprehensive forest resources survey at regular intervals and presents information for planning at National, State and local levels including evaluation through re-inventory to facilitate scientific forestry planning.

5. **Forest Conservation, Development and Regeneration:** This is an on-going programme to check indiscriminate deforestation and diversion of forest land to non-forest use, strengthening of forests protection force, control of grazing restriction on removal of fuel wood as head loads and supply of alternate fuels have been identified for effective protection of forests. The important scheme under this programme is the Intensification of Forest Management.

6.01. **Wildlife Institute of India:** The Institute imparts training and provides continuing education to in-service officers and also organizes a two-year M.Sc Course in Wildlife.

6.02. **Project Tiger:** The Centrally Sponsored Schemes is for preservation of Tiger.

6.03. **Project Elephant:** The Centrally Sponsored Schemes is for preservation of Elephant.

6.04. **Central Zoo Authority:** This is a Central Scheme for Central Zoo Authority to improve the quality of Zoo animals.

6.05. **Control of Wildlife Crime:** This is a Central Scheme for Control of Wildlife Crime.

6.06. **Welfare of Animals:** The important activities under this scheme are construction of shelter houses, animal birth control, immunization, ambulance services, and the setting up of National Institute of Animal Welfare.

6.07. **Integrated Development of Wildlife Habitats:** The Centrally Sponsored Schemes for Integrated Development of Wildlife Habitat.

9. **National Afforestation and Eco-Development Board:** The National Afforestation and Eco-development Board (NAEB) was set up in August, 1992, with the principal aim of promoting afforestation, tree planting, ecological restoration and eco-development in the country. Special attention is being given to the regeneration of degraded forest areas and land adjoining forest areas, national parks, sanctuaries and other protected areas as well as the ecologically fragile areas like the Western Himalayas, Aravallis, Western Ghats, etc.

The Green India Mission, one of the eight Missions under the National Action Plan for Climate Change has been operationalized with an objective to increase forest/tree cover on 5 Mha lands and improved quality of forest cover on another 5 Mha (a total of 10 mha). The other objectives include increased carbon sequestration and improvement of ecology.

10.01. **Botanical Survey of India:** The Botanical Survey of India, with its headquarters at Kolkata looks after (a) survey of the entire plant resources of the country, (b) complete taxonomic studies of all the flora of the country, (c) listing all endangered species and undertaking measures for their effective conservation, (d) to identify, collect and preserve specimens of plant useful to human being economically and otherwise.

10.02. **Zoological Survey of India:** Zoological Survey of India with its headquarters at Kolkata is responsible for carrying out the faunistic survey and research work in systematic Zoological, Animal Ecology, Zoography of various groups of animals including marine fauna. Its primary objectives are (a) exploration and survey of faunal resources (b) taxonomic studies (c) status survey of endangered species.

11.01. **Environmental Education Training Scheme:** The Ministry gives priority to environmental education of all age groups of the country population through exhibitions and training programmes, etc.

11.02. **National Museum of Natural History:** National Museum of Natural History is a centre set up under the Ministry to impart non-formal education to the school going children in the field of ecology, wildlife.

12. **Conservation Programme:** The main scheme under the programme are conservation and management of mangroves, biosphere reserves and assistance for Regional Botanical Gardens.

13. **Environmental Planning and Coordination:** The main schemes under this programme are Environmental Information System (ENVIS) and the Centre of Excellence. Under ENVIS, environmental information is collected, collated and disseminated to a wide range of users through a network of 67 subject specific ENVIS centre.

14. **Research and Ecological Regeneration:** Under these programmes, research projects undertaken by various organizations are supported by the Ministry. The Ministry envisages more active participation of universities, scientific Institutions and voluntary organizations in eco-development, restoration of damaged eco-system and eco-regeneration of degraded areas. Further a provision of ₹ 100 crore (including for N.E. Region) has been made for National Mission on Himalayan Studies which is aimed at contributing to the sustainable development of Indian Himalayan Region by mainstreaming mountain perspective across policies, programs, missions and schemes, while working with multiple stakeholders, supporting demand-driven innovative research, technology, field actions and building capacities, particularly in sectors related to energy, water, forestry, tourism, pilgrimage, transport, urbanisation, etc.

15. **International Cooperation:** The provisions are for contribution to UNO and other International organizations engaged in the development of environmental research, eco- regeneration and workshops/seminars.

16. **Prevention of Pollution of National Rivers and Lakes:** The scope of erstwhile scheme Prevention and control of pollution of River Ganga has been widened to cover all national Rivers and Lakes. An action plan has been drawn up for clearing the polluted stretches of National Rivers and to oversee its implementation. The major work programmes relate to diversion, sewer cleaning and renovation of pumping sets. The schemes proposed to be taken up are (i) interception and diversion of

waste water from falling in rivers, (ii) Treatment of waste water with recovery of resources such as bio energy, (iii) Other sanitation measures, such as low cost sanitation, biological conservation, etc. Towards revamping the river conservation strategy, and promoting a holistic and integrated approach to river basin planning, Ganga has been declared a National River. The National Ganga River Basin Authority (NGRBA) has been set up as an empowered planning, financing, monitoring and coordinating authority for the Ganga River. Under National Lake Conservation Programme, 62 urban lakes have been identified for conservation to prevent their further deterioration. Mission Ganga has been launched for treating all sewers floating in to the river by 2020.

A new scheme National Plan for Conservation of Aquatic Eco-system has been initiated in the 12th Five Year Plan by merging the National Lake Conservation Programme and National Wetlands Conservation Programme.

17. **Prevention of Air and Water Pollution:** The provision covers Grants-in-aid to State Governments/Central Pollution Control Board and funding of relevant schemes. The Central Pollution Control Board is also responsible for the prevention and control of air pollution. The provision covers Grants given for the promotion of common effluent treatment plants.

17.02 Establishment of Environment Authorities and Environment Commission and Tribunal: The provision includes operationalization of National Green Tribunal (NGT). The NGT has been established under NGT Act, 2010 on 18th October, 2010 for effective and expeditious disposal of cases relating to environmental protection and conservation of forests and other natural resources including enforcement of any legal right relating to environment and giving relief and compensation for damages to persons and property and for matters connected therewith or incidental thereto.

18.01. **Impact Assessment:** The main schemes under this programme are Environmental Impact Assessment and Development and promotion of Clean Technology. In accordance with the provisions of Environmental Impact Assessment (EIA) Notification 2006 to decentralize the environment appraisal process, State Level Environment Impact Assessment Authorities (SEIAA)/State Expert Appraisal Committees (SEAC) have been constituted in 22 States/UTs. To further streamline the EIA process an amendment to the EIA Notification has been carried out in December, 2009.

18.02. **Clean Technology & Waste Minimization strategies:** The schemes of Industrial Pollution Abatement through Preventive Strategies and Clean Technology have been merged into a single scheme named Development and Promotion of Clean Technology and Waste Minimization Strategies at the beginning of the twelfth five year plan.

19. **Other Programmes:** The main objective of these schemes viz Assistance for Abatement of Pollution including protection of Taj Mahal, and Hazardous Substance Management are to assist State Governments, State Pollution Control Board, Central/State Research Institutions and other Government agencies/Organisations with the aim of strengthening their technical capabilities.

19.05. **Taxonomy Capacity Building Project:** Having identified critically important areas and gaps in taxonomic work an 'All India Coordinated Project' has been drawn up for capacity building in taxonomy.

19.06. **Bio-diversity Conservation:** The matters concerning Conservation of Biological Diversity, its sustainable use and fair and equitable sharing of benefits arising out of the use of biological resources and knowledge are dealt under the Biological Diversity Conservation Scheme.

19.09. **National Coastal Management Programme:** Ministry is implementing a Re-engineered Coastal Regulation Zone (CRZ) Notification 2011 to ensure livelihood security to fishing and other local communities, to conserve and protect coastal stretches and to promote development based on scientific principles. Another Notification on Island Protection Zone is also being implemented for similar purposes for the islands of Andaman & Nicobar and the Lakshadweep. Ministry is also implementing a World Bank Assisted Integrated Coastal Zone Management Project.

19.10. **Bio-diversity Conservation and Rural Livelihood Improvement Project:** A World Bank assisted Project for conservation of biodiversity in selected landscapes while improving rural livelihoods through participatroy approaches.

19.11. **Desertification Cell:** Destrification Cell is set up within the Ministry to coordinate all issues pertaining to desertification and National reporting to the UNCCD Secretariat.

20. **Climate Change Action Plan:** With growing recognition of the threat of the Climate Change and its significance as an area of domestic policy making and planning a new scheme Climate Change Action Programme has been started in the first year of the 12th Five Year Plan.

21. **Lump sum Provision for the Projects/ Schemes for North-East Region and Sikkim:** Provision has been made for the schemes in the Environment and Forests Sector.

22-33. **State and UT Plans:** Provision has been made for Centrally Sponsored Schemes being executed as a part of State and UT Plan.