

Annexure 15

Financial Allocations for Biodiversity in India¹

(with reference to Chapter 6.1.9)

Developmental Budget Headings	Items considered
Revenue Expenditure	Soil and Water Conservation; Fisheries; Forestry and Wildlife; Plantations
Capital Expenditure	Crop Husbandry; Soil and Water Conservation; Fisheries; Forestry and Wildlife; Plantations

¹ These tables have been taken from the Economics and Valuation of Biodiversity Strategy and Action Plan, prepared under NBSAP, as updated by the coordinator of this Plan, Dr. Gopal Kadekodi, in December 2003.

Table 2: Major Budget Allocations for MOEF at 1993-94 Prices (in Rs. Crores)

Major Head	1986-87	1987-88	1988-89	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04 BE*
Ecology and Environment																	
Botanical & Zoological Survey	15.355	10.09	15.411	16.801	15.281	15.343	14.93	15.298	14.965	14.458	17.71	17.37	16.914	16.83	18.25	23.59	47.5
Env. Education/training/extension	2.309	3.434	3.128	4.044	3.891	5.636	6.4	5.924	5.601	5.41	4.552	4.23	4.598	3.15	8.32	11.01	24.71
Conservation Programme	0.885	1.239	3.194	3.063	4.152	3.83	7	5.933	5.039	5.441	4.736	4.22	5.37	8.14	8.47	8.4	18
Environmental planning & Coordination	5.888	4.125	4.422	5.609	4.627	5.198	7.18	4.856	4.845	5.612	4.994	5.45	5.486	5.27	5.87	5.72	12.06
Research & Ecological Regeneration	13.758	11.471	11.3	9.421	10.974	11.753	12.7	12.066	10.254	9.802	10.09	9.26	10.869	11.21	11.32	10.6	18.5
International Cooperation	0.635	0.584	0.54	0.749	0.914	1.094	1.35	1.552	1.629	1.531	1.449	1.48	1.518	1.46	1.64	1.58	2.61
Prevention of Pollution of Ganga/National River	49.644	80.545	93.351	84.411	64.658	53.94	60	34.456	35.186	94.986	78.672	72.94	128.626	80.3	180.44	174.54	285
Prevention of Air and Water pollution	15.22	17.083	17.9	24.125	21.521	36.047	46.25	19.168	45.18	75.15	64.566	62.68	51.386	48.04	58.01	53.15	84.57
Impact assessment	0.539	0.354	0.655	0.817	1.91	4.355	4.95	4.965	2.511	3.187	5.501	1.87	4.624	2.55	3.1	2.38	6.35
Total prevention & control of pollution	65.403	97.982	111.91	109.353	88.089	94.342	111.2	71.166	82.877	173.32	148.74	137.5	184.636	130.89	241.56	230.08	375.92
Other programmes	0	1.894	2.653	3.717	4.971	5.373	30.84	55.705	16.72	29.732	24.682	11.55	64.602	36.07	48.38	53.87	77.2

Major Head	1986-87	1987-88	1988-89	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04 BE*
Capital outlay on Ecology & Environment	0	0.46	2.358	2.9	3.381	4.848	5.57	5.805	3.737	4.508	4.523	6.7	6.528	6.99	7.67	NA	NA
Total Ecology and Environment	104.426	135.35	154.91	155.657	136.28	147.42	197.17	178.3	145.67	249.82	221.48	197.81	300.521	259.13	399.8	395.58	677.5
Forestry and Wildlife																	
Research	4.81	11.489	14.494	16.079	28.841	30.072	35.07	43.51	48.665	53.517	49.835	57.63	52.833	37.95	33.77	28.57	48
Education and training	13.392	8.037	7.403	8.877	6.086	7.135	8.03	8.844	7.457	7.765	7.987	9.69	9.673	8.52	11.25	11.1	17.35
Survey and utilisation of Forest Resources	5.157	5.682	5.241	4.221	3.168	4.049	9.95	9.073	10.035	3.521	4.391	4.89	4.759	4.88	5.36	7.27	12.45
Forest conservation & Development Regeneration	6.446	4.072	7.042	5.882	6.228	8.777	6.9	5.203	6.004	5.791	5.589	8.3	8.875	6.62	3.42	3.92	7
Wildlife	14.989	18.729	16.885	28.496	31.629	20.103	25.56	27.254	26.176	24.71	383347	43.01	68.564	50.83	60.47	72.44	139.55
NWDB/NAEDB	100.981	106.8	13.348	103.458	144.133	116.17	98.03	94.907	88.117	69.81	55.049	50.32	62.319	31.46	41.97	83.02	176
Capital outlay on Forestry & Wildlife	0	0.69	2.457	3	2.93	1.379	1.65										
Total Forestry & Wildlife	146.7	156.51	165.66	176.31	223.526	210	198.75	201.9	197.01	173.01	172.41	184.5	216.966	182.9	212.88	220.01	438.7
Grand Total	254.474	295.01	323.65	335.126	362.795	360.44	398.98	383.29	345.9	426.24	397.98	386.76	521.886	446.86	617.41	620.45	1124.59
GDP at factor cost at 1993-94 prices	536257	556778	615098	656331	692871	701863	737792	781345	838031	899563	970083	1016594	1082748	1148442	1198685	1265429	NA

Source: RBI Bulletin, various issues; Expenditure Budgets of MoEF

Note: Figures for year 2003-2004 are in current prices

BE = Budget Estimates

NA = Not Available

Table 3: A Macro Picture of Budget Allocations on Biodiversity Conservation

Year	At the National Level; MOEF			At the All States Level (\$\$)	
	Ratio of Total MOEF Annual Budgetary Allocation/ GDP (%)	Ratio of Forestry + Wildlife Budgetary Allocation/ GDP(%) (*)	Ratio of Ecology + Env. Budgetary Allocation/ GDP (%) (**)	Ratio of Revenue Expenditure on Env. + Forest+ Ecology/Total Revenue Expenditure (%) (***)	Ratio of Capital Expenditure on Env. + Ecology + Forestry/Total Capital Expenditure (****)
1986-87	5.1	2.9	2.1	2.99	2.27
1987-88	5.7	3	2.6	3.03	2.9
1988-89	5.5\$	2.9\$	2.5\$	2.81	1.95
1989-90	5.3\$	2.8\$	2.4\$	2.66	1.65
1990-91	5.2	2.7	2.4	2.6	1.56
1991-92	5.5	3.4	2.1	2.16	1.7
1992-93	5.2	3	2.1	1.93	2.06
1993-94	5.4	2.7	2.7	2.3	1.77
1994-95	4.5	2.3	2.1	2.17	1.81
1995-96	3.7	2.1	1.6	2.2	2.49
1996-97	4.3	1.7	2.5	2.08	2.84
1997-98	3.8	1.6	2.1	2.01	1.93
1998-99	3.5	1.7	1.8	2.2	2.1

Notes

1. All computations are in constant 1993-94 prices.

2. (*): Forestry + Wildlife Budget = Research on forestry and wildlife + Education and training + Survey and utilization of forest resources + Forest conservation, development and regeneration + Wildlife + NWDB + NAEED + Capital outlays on forestry and wildlife

3. (**): Ecology and Environment = Botanical and Zoological Survey + Env. Education, training and extension + Conservation programme + Env. Planning and coordination + Research in Ecological Regeneration + International cooperation + Prevention of pollution in Ganga + Prevention of air and water pollution + EIA + Other programmes + Capital outlays on Ecology and Env.

4. (***): Soil and water conservation + Fisheries + Forestry and wildlife + Plantations

5. (****): Crop husbandry + Soil and water conservation + Fisheries + Forestry and wildlife + Plantations

6. (\$) : These are indirectly estimated values, in absence of actual

7. (\$\$) : The All states' revenue and capital expenditures are invariably the 'Actual', but in few years they are Revised estimates (rather than actual estimates). Moreover, these ratios are computed the most important fourteen states only.

8. The aggregate budget allocation (as a ratio of GDP) by MOEF was fairly constant till 1993, but started declining since then.

9. Till about 1991, the budget allocation (as a ratio of GDP) on forestry and wild life was fairly constant. But since then, it has been declining steadily.

10. The allocations on ecology and environment have been fairly constant, though fluctuating from year to year.