

SECTION-V

SOCIAL AND ECONOMIC ASPECTS OF FORESTRY SECTOR





Social and Economic Aspects of Forestry Sector

The social and economic fabric woven around forestry is an important indicator of association of people with forests. Schemes such as Joint Forest Management invite peoples' participation in management of forests with the forest department. There are a number of Village Forest Committees (VFCs) that work in tandem with the forest personnel in managing the forests sustainably. The total number of JFM Committees in the country along with the area under their management is given in table 5.1. The plan outlay in forestry and wildlife sector is also included in this section. The interaction of forests and society has increased manifold in the past. Many states launched Social forestry / Community Forestry Programmes during late 1970s and early 1980s under externally aided projects for undertaking afforestation in private and community owned barren and degraded lands with the active co-operation and involvement of local population and created Social Forestry wings.

Plantation under Twenty Point Programme

The 20-Point Programme (TPP) was restructured again in 2006 in conformity with the priorities of the Government as contained in the National Common Minimum Programme (NCMP). The restructured Programme is called Twenty Point Programme 2006 (TPP-2006). The physical target of tree plantation under 20-Point Programme (TPP) is fixed by the Ministry of Environment and Forests in consultation with the States/UTs and progress is monitored (Table 5.5).

National Afforestation Programme

This programme is the main programme of the Government of India with an aim to increase tree and forest cover. Launched in 2002, the programme was initiated by merging four schemes of the Ministry of Environment & Forests in 9th Five Year Plan, i.e., Integrated Afforestation and Eco-Development Projects Scheme (IAEPS), Area Oriented Fuelwood and Fodder Projects Scheme (AOFFPS), Conservation and Development of Non-Timber Forest Produce including Medicinal Plants Scheme (NTFP) and Association of Scheduled Tribes and Rural Poor in Regeneration of Degraded Forests (ASTRP). This also led to reduce the presence of many schemes which generally resulted in delays in disbursement of funds to the field. The data tables in this issue have also been modified accordingly. The merger of the schemes also helped in institutionalising people's participation in project formulation and execution. The scheme is being implemented by the National Afforestation and Eco-Development Board, Ministry of Environment and Forests as a Centrally Sponsored Scheme (Table 5.2).

Realizing the role of forests in the sustainable development of our economy by acting as a defence against environmental degradation, pollution, etc., the 12th Finance Commission, for the first time,



provided a grant of ` 1000 crore to be distributed amongst the states during 2005-10. The 13th Finance Commission felt the need to carry on the grant beyond this period. The funds are directly remitted to the states by the Finance Ministry.

Biodiversity Management Committees have been created as an outcome of the Biodiversity Act 2002 by local bodies for implementation of the act. The committees prepare **People's Biodiversity Registers**. A total of 31542 BMCs have been created so far in 14 states (Table 5.8).



Table 5.1: Number of JFM Committees & Area Covered (March 2010).

S. No.	States/U.T.s	JFM committees (nos.)	Area under JFM (Sq.km.)
1	Andhra Pradesh	7718	15910.0
2	Arunachal Pradesh	362	214.2
3	Assam	700	1000.0
4	Bihar	682	4559.6
5	Chhattisgarh	7887	33190.0
6	Goa	26	100.0
7	Gujarat	3125	4120.0
8	Haryana	2487	700.0
9	Himachal Pradesh	1023	2050.6
10	Jammu & Kashmir	3334	1480.2
11	Jharkhand	8779	29364.6
12	Karnataka	3848	8080.2
13	Kerala	576	2,074.0
14	Madhya Pradesh	15228	66873.9
15	Maharashtra	12054	24033.0
16	Manipur	665	603.1
17	Meghalaya	288	204.2
18	Mizoram	613	502.7
19	Nagaland	771	509.8
20	Odisha	11995	11363.3
21	Punjab	1224	1783.3
22	Rajasthan	5316	7800.0
23	Sikkim	219	885.2
24	Tamil Nadu	3487	7564.5
25	Tripura	920	2,352.6
26	Uttar Pradesh	3014	7246.0
27	Uttarakhand	12089	5449.6
28	West Bengal	4386	6457.9
	Total	112816	246472.31

Source: State Forest Departments



**Table-5.2. Year-wise progress of National Afforestation Programme
(as on 31st December, 20 10)**

Year	No. of New FDA projects approved	No. of New JFMCs involved	Project Area approved (ha.)*	Release** (Rupees in crore)
2000-02	47	1843	71068	47.53
2002-03	237	8197	404799	151.26
2003-04	231	7902	282536	207.98
2004-05	105	3404	106743	233.00
2005-06	94	2362	54432	248.12
2006-07	15	494	0	292.75
2007-08	53	3979	493061	392.95
2008-09	13	6598	173435	345.62
2009-10	5	7756	103556	318.17

*Area approved for advance soil work/preparatory plantations during the year for all ongoing Forest Development Agencies (FDA) projects.

**Total (financial assistance provided during the year for planting, advance soil work, maintenance etc.) for all ongoing FDA projects.

Source: Ministry of Environment and Forests, Government of India

Table-5.3. Progress under the previous 'Grants-in-Aid to Voluntary Agencies' and present Grants-in-Aid for Greening India' Scheme

Year	No. of tree planting projects supported*	Expenditure (Rupees in crore)**
2002-03	141	4.00
2003-04	251	8.49
2004-05	266	8.97
2005-06	211	11.76
2006-07	109	5.86
2007-08	129	8.48
2008-09***	85	3.95
2009-10***	29	1.05
2010-11***	6	0.36

* Area approved for advance soil work/preparatory plantations during the year for all ongoing FDA projects.

** Total (financial assistance provided during the year for planting, advance soil work, maintenance etc.) for all ongoing

*** Includes only on-going projects as no new project was sanctioned

Source: Ministry of Environment and Forests, Government of India



Table 5.4: Grants-in-Aid for Forests by Thirteenth Finance Commission (Rs. in crore)

States/U.T.s	2010-11	2011-12	2012-13	2013-14	2014-15	2010-15
Andhra Pradesh	33.58	33.58	67.16	67.16	67.16	268.64
Arunachal Pradesh	90.98	90.98	181.96	181.96	181.96	727.84
Assam	23.08	23.08	46.16	46.16	46.16	184.64
Bihar	4.8	4.8	9.6	9.6	9.6	38.4
Chhattisgarh	51.39	51.39	102.78	102.78	102.78	411.12
Goa	4.61	4.61	9.22	9.22	9.22	36.88
Gujarat	10.24	10.24	20.48	20.48	20.48	81.92
Haryana	1.1	1.1	2.2	2.2	2.2	8.8
Himachal Pradesh	12.58	12.58	25.16	25.16	25.16	100.64
Jammu & Kashmir	16.63	16.63	33.26	33.26	33.26	133.04
Jharkhand	18.93	18.93	37.86	37.86	37.86	151.44
Karnataka	27.63	27.63	55.26	55.26	55.26	221.04
Kerala	16.94	16.94	33.88	33.88	33.88	135.52
Madhya Pradesh	61.29	61.29	122.58	122.58	122.58	490.32
Maharashtra	38.7	38.7	77.4	77.4	77.4	309.6
Manipur	18.79	18.79	37.58	37.58	37.58	150.32
Meghalaya	21.01	21.01	42.02	42.02	42.02	168.08
Mizoram	21.4	21.4	42.8	42.8	42.8	171.2
Nagaland	17.32	17.32	34.64	34.64	34.64	138.56
Odisha	41.37	41.37	82.74	82.74	82.74	330.96
Punjab	1.15	1.15	2.3	2.3	2.3	9.2
Rajasthan	11.04	11.04	22.08	22.08	22.08	88.32
Sikkim	5.07	5.07	10.14	10.14	10.14	40.56
Tamil Nadu	17.81	17.81	35.62	35.62	35.62	142.48
Tripura	11.94	11.94	23.88	23.88	23.88	95.52
Uttar Pradesh	10.06	10.06	20.12	20.12	20.12	80.48
Uttarakhand	25.68	25.68	51.36	51.36	51.36	205.44
West Bengal	9.88	9.88	19.76	19.76	19.76	79.04
Total	625	625	1,250.00	1,250.00	1,250.00	5,000.00

Source: Ministry of Environment and Forests, Government of India



Table 5.5: Area of tree plantations raised under Twenty-Point Programme in India

Name of State/UTs	Area covered under public & forest lands (in '000ha)			
	2006-07	2007-08	2008-09	2009-10
Andhra Pradesh	418.48	264.99	340.56	243.93
Arunachal Pradesh	10.12	0.55	10.27	7.12
Assam	9.66	13.36	7.11	6.63
Bihar	8.76	25.37	22.75	21.36
Chhattisgarh	131.21	90.1	66.76	55.51
Goa	0.48	0.5	0.49	0.37
Gujarat	109.45	92.16	112.24	169.35
Haryana	17.55	14.78	29.99	20.77
Himachal Pradesh	30.07	21.16	20.1	20.17
Jammu & Kashmir	12.53	30.42	19.75	25.43
Jharkhand	33.23	35.12	25.18	28.95
Karnataka	59.76	79.47	74.64	83.64
Kerala	4.35	9.04	5.38	9.94
Madhya Pradesh	233.1	250	153.75	135.14
Maharashtra	39.84	47.02	239.65	216.89
Manipur	5.37	9.43	8.47	23.67
Meghalaya	0.11	2.07	2.55	1.1
Mizoram	5.12	9.49	1.05	2.98
Nagaland	5.55	8.78	0.87	0
Odisha	48.02	123.65	98.79	132.13
Punjab	3.06	3.86	8.12	11.55
Rajasthan	83.86	87.43	44.36	102.21
Sikkim	3.55	3.45	3.86	8.01
Tamil Nadu	148.81	101.79	153.73	66.45
Tripura	7.59	8.42	12.6	13.23
Uttarakhand	149.7	146.43	120.85	27.16
Uttar Pradesh	59.22	48.91	70.22	96.07
West Bengal	15.38	13.39	18.63	15.04
A & N Islands	1.08	0.91	1.21	1.74
Chandigarh	0.18	0.24	0.38	0.18
D & N Haveli	0.22	0.2	0.28	0.2
Daman & Diu	0.01	0.03	0.03	0.02
Delhi	0	0.08	0.08	0.12
Lakshadweep	0	0	0.02	0.02
Puducherry	0.19	0.08	0.05	0.05
Total	1655.61	1542.68	1675.7	1547.13

Source: Ministry of Statistics and Programme Implementation, Government of India



Table 5.6: Funds released to States under National Afforestation Programme (Rupees in crore)

Name of State/UTs	2006-07	2007-08	2008-09	2009-10
Andhra Pradesh	11.06	9.97	11.54	11.03
Arunachal Pradesh	2.93	4.85	3.25	2.37
Assam	13.60	8.58	9.78	14.48
Bihar	4.94	6.92	6.48	7.74
Chhattisgarh	13.05	42.69	25.66	25.12
Goa	0	0	0	0
Gujarat	17.52	30.93	25.75	24.44
Haryana	9.20	12.93	20.14	20.57
Himachal Pradesh	11.56	7.43	6.72	3.59
Jammu & Kashmir	5.83	8.13	8.47	9.81
Jharkhand	19.03	24.56	26.32	21.06
Karnataka	23.54	31.02	15.46	11.95
Kerala	12.75	8.81	9.45	4.02
Madhya Pradesh	15.83	13.84	22.55	22.53
Maharashtra	15.93	29.92	21.87	20.53
Manipur	7.78	12.37	9.51	5.93
Meghalaya	5.44	5.94	4.69	2.21
Mizoram	13.09	16.75	13.61	17.27
Nagaland	7.22	7.75	6.64	10.67
Odisha	14.07	19.01	21.63	8.82
Punjab	3.36	5.88	3.30	3.01
Rajasthan	5.62	2.50	7.32	10.67
Sikkim	7.41	11.28	6.63	8.86
Tamil Nadu	17.22	9.46	8.86	7.98
Tripura	4.37	5.02	.89	3.20
Uttar Pradesh	11.88	36.77	30.80	30.20
Uttarakhand	11.52	12.39	9.24	7
West Bengal	7	7.23	9.06	3.11
Total	292.75	392.93	345.62	318.17

Source: National Afforestation and Eco-development Board, Ministry of Environment and Forests, Government of India



Table 5.7: Tenth Plan outlay of Forestry and Wildlife Sectors. (Rupees in Lakh)

State/UTs	Forestry and Wildlife				Ecology and Environment		
	State Plan Outlay	Projected Outlay	Agreed Outlay	Actual Expenditure	Projected Outlay	Agreed Outlay	Actual Expenditure
A & N Islands	248300	7243	6369	6097.71	0	40	32.88
Andhra Pradesh	4661400	123779	113262.86	80076.85	620	203.72	316.29
Arunachal Pradesh	388832	7700	9529.87	8403.42	42	208.91	38.46
Assam	831522	7736	11235	9076.1	65	79	29.45
Bihar	2100000	4514	7953.92	6267.25	0	0	0
Chandigarh	100000	1733	2455	1916	270	323	188.13
Chhattisgarh	1100000	1100000	39180	46844.04	783	679.5	370.13
Dadra & Nagar Haveli	30400	1200	1657	1733.87	0	0	0
Daman & Diu	24500	278	200	173.38	0	5	13.1
Delhi	2300000	2600	2300	14791.16	4800	2705	998.6
Goa	320000	2500	2908.95	2880.93	300	795.45	799.33
Gujarat	4000700	93634	75445.7	66076.37	2766	2196	1010.44
Haryana	1028500	12733	32125	30612.03	283	407	277.46
Himachal Pradesh	1030000	42377	36748.49	36344.2	50	27	82.59
Jammu & Kashmir	1450000	36358	23794.13	23096.74	3619	465.42	288.5
Jharkhand	1463274	46277	49802	46875.73	0	0	0
Karnataka	4355822	73396	51408.83	46677.84	1285	5535	2417.58
Kerala	2400000	17500	22789	21348.75	0	0	0
Lakshadweep	43700	92.3	91.7	46	400.3	163.3	102.52
Madhya Pradesh	2618993	35275	64458.82	81330.29	5112	9663.63	8388.9
Maharashtra	6663200	68279	10997.81	10729	1200	627.71	500
Manipur	280400	1744	3704.66	3560.81	495	1714	556.75
Meghalaya	300900	5250	6596	6093.89	275	300	174.34
Mizoram	230001	2846	4285	4515.88	19	20	11.04
Nagaland	222765	2250	2535	2828.24	100	178	272
Odisha	1900000	69446	22899.95	6083.94	2030	2482.29	2561.31
Puducherry	190649	500	859	819.54	176	244	257.13
Punjab	1865700	28075	40800.6	30500.46	572	203.1	26.08
Rajasthan	2731800	115320	52592.87	31584.73	464	100.95	35.9
Sikkim	165574	3500	3564.2	3510.45	500	160	125.97
Tamil Nadu	4000000	134810	63561.93	64601.18	11305	1578.16	486.23
Tripura	450000	4835	4273.65	4113.03	446	209	243.35
Uttar Pradesh	5970800	120800	49784	48642.5	235525	24979	2628.58
Uttarakhand	763000	20693	56223.18	62063.17	5902	2900	1505
West Bengal	2864100	16443	12908.12	6823.73	1688	1259.99	2487.03

Source: Planning Commission, Government of India



Table 5.8: Progress of creation of Biodiversity Management Committees (BMC) and preparation of People's Biodiversity Registers (PBR) in different States

S.No.	State/UTs	BMC	PBR
1	Andhra Pradesh	18	5
2	Goa	5	-
3	Gujarat	11	-
4	Himachal	2	-
5	Karnataka	3,287	89
6	Kerala	200	74
7	Madhya Pradesh	27,712	50
8	Manipur	6	-
9	Mizoram	234	-
10	Nagaland	10	-
11	Punjab	31	-
12	Tripura	4	-
13	Uttarakhand	-	139
14	Uttar Pradesh	1	-
15	West Bengal	21	13
	Total	31,542	370

NB: In MP, BMCs have been constituted in 50 district panchayats, 313 Janpad Panchayat, 23,043 Gram Panchayat, 237 Nagar Panchayat, 14 Nagar Nigam and 86 Nagar Palika Parisad.

Source: State Forest Departments



**Table-5.9: Amount Sanctioned under National Environment Awareness Campaign (NEAC)
(Rupees in Lakh)**

State	Amount sanctioned (2009-10)	Amount sanctioned (2008-09)	Amount sanctioned (2007-08)	Amount sanctioned (2006-07)	Amount sanctioned (2005-06)	Amount sanctioned (2004-05)
AndhraPradesh	55.86	44.12	30.65	34.91	39.29	35.59
Andaman & Nicobar Island	1.14	0.83	0.81	1.03	0.57	0.38
ArunachalPradesh	-	0.00	1.52	3.00	0.00	0.00
Assam	26.81	26.60	22.50	19.82	25.50	20.22
Bihar	49.82	39.85	33.03	30.33	43.13	24.26
Chhattisgarh	6.19	6.02	7.34	5.25	7.41	6.49
Dadar & NagarHaveli	-	0.12	0.10	0.00	0.10	0.13
Daman & Diu	0.55	0.59	0.42	0.49	0.30	0.17
Delhi	11.71	7.78	5.95	7.51	8.08	4.61
Goa	0.14	0.30	0.26	0.36	0.37	0.17
Gujarat	32.55	19.39	21.75	19.27	19.19	12.76
Haryana & Chandigarh	33.13	17.99	12.55	8.10	10.78	10.86
HimachalPradesh	12.51	12.00	12.56	10.27	11.31	6.77
Jammu & Kashmir	44.70	28.11	26.38	25.34	10.41	7.69
Jharkhand	33.22	24.73	17.68	16.16	14.25	10.41
Karnataka	23.20	21.35	10.79	15.40	16.52	20.01
Kerala	18.58	16.33	13.62	15.00	13.66	6.14
Lakshadweep	0.00	0.00	0.00	0.00	0.09	0.00
MadhyaPradesh	69.53	50.13	45.91	44.64	41.40	39.03
Maharashtra	52.60	47.30	40.21	38.71	39.39	35.04
Manipur	22.61	25.85	21.30	19.50	24.00	28.40
Mizoram	5.15	8.00	4.30	2.83	0.00	0.00
Nagaland	6.06	10.63	7.44	5.01	0.00	0.00
Odisha	70.22	44.28	34.62	31.38	27.49	30.21
Puducherry	4.76	5.50	3.47	2.64	1.56	1.50
Punjab & Chandigarh	17.55	14.15	9.29	8.05	6.88	6.02
Rajasthan	22.01	17.42	19.56	11.52	15.17	13.22
Sikkim	3.98	2.61	7.71	8.06	5.63	0.00
Tamilnadu	52.14	43.97	31.29	34.03	28.13	32.49
Tripura	16.66	17.76	11.19	10.97	12.62	9.49
Uttar Pradesh	88.52	65.04	50.13	57.19	57.44	42.91
Uttarakhand	6.83	5.65	5.96	3.79	7.70	3.49
West Bengal	50.46	29.42	17.39	15.76	17.66	12.80
Total	839.18	653.82	527.67	506.30	506.02	421.25

Note: During 2003-04 to 2006-07 amount released under NEAC for Haryana & Chandigarh was combined. From 2007-08 onwards Chandigarh is clubbed with Punjab.

Source: Ministry of Environment and Forests, Government of India