

STATUS OF FOREST IN DIFFERENT DISTRICTS OF ORISSA

Compiled from State of Forest Report 1997

*by
Y. Giri Rao*

VASUNDHARA

Pvt. Plot No: 14/E, Near Press Colony Chhak

Gajapati Nagar, Bhubaneswar-05

Orissa, India

Phone No: 91-674-440190, 443235

District-wise Forest Cover of Orissa (1997 Assessment) in sq. km.

Sl. No	District	Geographic Area	Total Forest area	Forest Cover			Percentage to Geo.Area	Change Compared to 95	Scrub
				Dense	Open	Mangrove			
1.	Angul	6232	2511	1620	891		40.29	+69	191
2.	Balangir	6569	865	413	452		13.17	+46	128
3.	Balasore	3634	306	175	128	3	8.42	-	38
4.	Bhadrak	2677	17	-	-	17	0.63	-2	-
5.	Bargarh	5834	924	480	444		15.84	+10	114
6.	Boudh	3444	1309	892	417		38	+1	111
7.	Cuttack	3733	555	372	183		14.87	+15	200
8.	Deogarh	2787	1381	872	509		49.55	Nil	12
9.	Dhenkanal	4595	1081	648	433		23.53	+29	279
10.	Gajapati	3850	2450	679	1771		63.64	+2	258
11.	Ganjam	8706	2160	1215	945		24.81	-4	693
12.	Jagatsinghpur	1973	28	-	18	10	1.42	-3	1
13.	Jajpur	2888	174	110	64		6.02	+6	107
14.	Jharsuguda	2200	282	124	158		12.82	-2	69
15.	Kalahandi	8364	1919	1000	919		22.94	-5	418
16.	Kendrapada	2548	195	-	14	181	7.65	-3	1
17.	Keonjhar	8303	3543	1739	1804		42.67	-148	144
18.	Khurda	2889	317	137	180		10.97	+23	200
19.	Koraput	7897	1344	504	840	-	17.02	-51	342
20.	Malkangiri	6190	2285	1019	1266		36.91	-94	118
21.	Mayurbhanj	10418	3852	3237	615		36.97	-206	16
22.	Nawapara	3408	1143	592	551		33.54	-2	105
23.	Nawarangpur	5294	1223	813	410		23.10	-21	70
24.	Nayagarh	4242	1640	1031	609		38.66	+37	226
25.	Phulbani	7650	5117	2403	2714		66.89	+128	360
26.	Puri	3051	116	58	58		3.80	-6	
27.	Rayagada	7580	2701	972	1729		35.63	+13	810
28.	Sambalpur	6698	3172	2202	970		47.36	-8	144
29.	Sonpur	2344	320	160	160		13.65	+12	50
30.	Sundergarh	9712	4011	2634	1377		41.30	-2	256
	TOTAL	155707	46941	26101	20629	211	30.15	-166	5461

Orissa

The geographic area of the state is 155,707 sq.km of which 57,184 sq.km is recorded as forest. The actual forest cover of the state is 46,941 sq.km, which constitutes 30.1 per cent of geographic area. A decrease of 166 sq.km in forest cover of Orissa is found in the present assessment. There is decrease of 1,062 sq.km in dense forest area while open forest and mangrove increased by 880 sq.km and 16 sq.km respectively.

An analysis of the change matrix given in the Table reveals that 1,062 sq.km of dense forest changed to open forest. From open forest 733 sq.km degraded to non-forest category and 8 sq.km changed to mangrove. From scrub 559 sq.km changed to open forests and 10 sq.km of non-forest changed to mangrove.

FOREST TO SCRUB/NON-FOREST:

The decreased in forest cover has been observed in the districts of Balasore(73K/16), Bhadrak(73K/16), Dhenkanal(73 H/5), Gajapati(74 B/ 1, 5), Ganjam (74 A/ 13, 14 & 74E/3), Jagatsinghpur (73 L/8, 11), Jharsuguda (73 C/5), Kalahandi (65 I/10), Kendrapada (73 L/11), Keonjhar (73 F/8; 73 G/5, 6, 11, 14), Koraput (65 I/8; 65 J/1, 6, 13, 14; 65 N/1), Phulbani (65 M/13), Malkanagiri (65 F/11, 12, 14, 15; 65 G/9; 65 J/2, 6), Mayurbhanj (73 J/3, 7, 12; 73 K/6, 13, 14; 73 N/4), Nawapara (64 K/12; 64 L/5, 11), Nawarangpur (65 E/13; 65 I/1, 5, 11), Puri (74 E/13), Sambalpur (73 C/13, 14; 73 B/8), Sundergarh (73 B/11, 12, 16; 73 C/13, 14; 73 G/2) and Rayagada (65 N/5, 65 M/4).

NON-FOREST/ SCRUB TO FORESTS:

The increase in forest cover is noticed in the districts of Angul (73 G/2, 3, 4; 73 H/1), Bolangir (64 P/1, 2, 5, 6, 9, 10), Balasore (73 O/1, 6), Bargarh (64 K/ 12, 16; 64 L/9; 64 O/4), Boudh (64 P/10), Cuttack (73 H/7), Dhenkanal (73 G/8; 73 H/5, 6, 13), Gajapati (65 N/13; 74 A/8), Jajpur (73 H/13; 73 L/1), Kendrapada (73 L/11, 14), Keonjhar (73 F/12; 73 G/5, 15, 16), Koraput (65 I/8; 65 J/13; 65 N/1), Phulbani (65 M/13, 14; 73 D/4, 8), Malkanagiri (65 G/9; 65 J/6, 8), Mayurbhanj (73 J/4), Khurda (73 H/4, 8; 74 E/5), Nawapara (64 L/9), Nayagarh (73 H/4, 8; 74 E/5), Nawarangpur (65 E/13; 65 I/2), Sambalpur (73 C/1), Sonpur (64 P/9, 10, 13), Sundergarh (73 B/3, 4, 11, 15) and Rayagada (65 N/9, 13; 65 M/ 9, 10).

Districtwise Forest Cover of Orissa (1995 Assessment) in sq. km.

Sl. No	District	Geographic area	Forest Cover			Total Forest area	Percentage to total Geo. Area	Scrub
			Dense	Open	Mangrove			
1.	Balasore	6311	252	98	21	371	5.88	34
2.	Phulbani	11094	2973	2992	-	5965	53.77	544
3.	Balangir	8913	546	532	-	1078	12.09	321
4.	Cuttack	11142	506	378	174	1058	9.50	251
5.	Dhenkanal	10827	2392	1274	-	3666	33.86	535
6.	Ganjam	12556	1889	2817	-	4706	37.48	1232
7.	Kalahandi	11772	1392	1374	-	2766	23.50	635
8.	Keonjhar	8303	1933	1758	-	3691	44.45	218
9.	Koraput	26961	3119	4194	-	7313	27.12	1570
10.	Mayaurbhanj	10418	3325	733	-	4058	38.95	55
11.	Puri	10182	1567	693	-	2260	22.02	442
12.	Sambalpur	17516	4545	1617	-	6162	35.18	207
13.	Sundargarh	9712	2724	1289	-	4013	41.32	306
	TOTAL	155707	27163	19749	195	47107	30.25	6350

A COMPARISON ASSESSMENT OF FOREST COVER IN TRIBAL DISTRICTS OF ORISSA

Sl No	Districts	1993 Assessment of Forest Cover	1995 Assessment		1997 Assessment		Total Change between 1993 to 1997
			Forest Cover	Change Compared to 1993	Forest Cover	Change Compared to 1995	
1.	Balasore	306	306	Nil	306	Nil	Nil
2.	Ganjam	2156	2164	+8	2160	-4	+4
3.	Kalahandi	1924	1924	Nil	1919	-5	-5
4.	Keonjhar	3730	3691	-39	3543	-148	-187
5.	Koraput	1396	1395	-1	1344	-51	-52
6.	Mayurbhanj	4062	4058	-4	3852	-206	-210
7.	Sambalpur	3192	3180	-12	3172	-8	-20
8.	Phulbani	4981	4989	+8	5117	+128	+136
9.	Sundargarh	4031	4013	Nil	4011	-2	-2
	TOTAL	25760	25720	-40	25424	-296	-336

Forest Cover Change Matrix of Orissa (Sq. Km)

1995 Assessment	1997 Assessment					Total 1995
	Dense Forest	Open Forest	Mangrove	Scrub	Non-Forest	
Dense Forest	26101	1062	--	--	--	27163
Open Forest	--	19008	8	--	733	19749
Mangrove	--	-	193	--	2	195
Scrub	--	559	--	5461	330	6350
Non-Forest	--	--	10	-	102240	102250
Total 1997	26101	20629	211	5461	103305	155707
<i>Net Change</i>	<i>-1062</i>	<i>+880</i>	<i>+16</i>	<i>-889</i>	<i>+1055</i>	

Revised Forest Cover In Different Assessment (1987 To 1995) After Incorporating Interpretational Correction: (sq.km)

1987 Assessment		1989 Assessment		1991 Assessment		1993 Assessment		1995 Assessment	
Original Estimate	Revised Estimate	Original Estimate	Revised Estimate	Original Estimate	Revised Estimate	Original Estimate	Revised Estimate	Original Estimate	Revised Estimate
53,163	53,253	47,137	47,227	47,115	47,205	47,145	47,145	47,107	47,107

Geographic Area, Recorded Forests Area and Actual Forest Cover of Orissa: (sq.km)

Geographical Area	Recorded Forest		Forest Cover	
	Area	Per cent	Area	Per cent
155,707	57,184	36.73	46,941	30.1