

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO. 2021
TO BE ANSWERED ON 29.11.2019

Forest/Green Cover

2021. SHRI GIRISH BHALCHANDRA BAPAT:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the Government has any mechanism for monitoring and assessment of the forest/green cover in the country and if so, the details thereof, along with the forest cover, State/UT-wise;
- (b) whether the Government proposes to utilise remote sensing technology for the said purpose and if so, the details thereof including the benefits of the said technology in terms of time and cost;
- (c) whether the Government has any plan for promoting afforestation by planting trees like Sal in various States; and
- (d) the details of the funds allocated, sanctioned and utilised during the last two years and the current year, year-wise?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI BABUL SUPRIYO)

- (a) & (b) Yes, Sir. Since 1987, assessment and monitoring of forest cover/green cover of the country is carried out by Forest Survey of India, Dehradun (FSI), an organization under the Ministry. The forest cover assessment is made using remote sensing technology supported by intensive ground truthing. Remote sensing technology covers very large areas in a repetitive manner at different scales & resolutions and allows easy collection of data of the Earth features namely water, agriculture, forest, habitation etc. in a faster and cost-effective manner. The result of forest cover assessment is published in a report known as India State of Forest Report (ISFR) on biennial basis. So far 15 such reports have been published. As per the latest report i.e. ISFR-2017, the total forest and tree cover in the country is 8,02,088 square kilometre (forest cover 7,08,273 square kilometre, tree cover 93,815 square kilometre) which is 24.39% of the geographical area of the country. There is an increase of 8,021 square kilometre (forest cover 6,778 square kilometre, tree cover 1,243 square kilometre) of total forest and tree cover in the country including urban areas compared to that of ISFR-2015. The detail of forest cover/green cover in the States/UTs is given in **Annexure-I**.
- (c) & (d) For promoting afforestation in the country, afforestation and conservation activities are being taken up under various Centrally Sponsored Schemes such as National Afforestation Programme, Green India Mission and Development of Wildlife Habitats which are being implemented by the Ministry. Afforestation activities are also taken up under various programmes/funding sources such as Mahatma Gandhi National Rural Employment

Guarantee Scheme, Pradhan Mantri Krishi Sinchayee Yojana, Compensatory Afforestation Funds and under concerned State/UT schemes/plans.

Details of fund released by the Ministry for conservation, development and expansion of forests under National Afforestation Programme, Green India Mission and Development of Wildlife Habitats during the last two years and the current year to States/UTs are given in **Annexure-II, III, IV** respectively. Under Compensatory Afforestation Funds (CAF), the details of State-wise funds released during last two years and part of 2019-20 by the Ad-hoc Compensatory Afforestation Fund Management and Planning Authority (CAMPA) are given in **Annexure V**. After formation of National Authority under Compensatory Afforestation (CAF) Act, 2016, a sum of Rs. 47436.18 Crore have been deposited in State funds as per the provision of the CAF Act, 2016. State-wise details of fund deposited in State fund are at **Annexure VI**.

Annexure I

Annexure referred to in reply to part (a) of the Lok Sabha Starred Question No. 2021 due for answer on 29.11.2019 regarding 'Forest/Green Cover'.

State/UTs wise details of Forest and Tree Cover as per ISFR 2017

(Area in square kilometre)

State	Geographic Area	Forest cover	TreeCover	Total Forest and Tree Cover	Percentage of Geographical area
Andhra Pradesh	162968	28147	3753	31900	19.57
Arunachal Pradesh	83743	66964	807	67771	80.93
Assam	78438	28105	1496	29601	37.74
Bihar	94163	7299	2263	9562	10.15
Chhattisgarh	135192	55547	3833	59380	43.92
Delhi	1483	192.41	113	305.41	20.59
Goa	3702	2229	323	2552	68.94
Gujarat	196244	14757	8024	22781	11.61
Haryana	44212	1588	1415	3003	6.79
Himachal Pradesh	55673	15100	822	15922	28.60
Jammu & Kashmir *	222236	23241	7815	31056	13.97
Jharkhand	79716	23553	2922	26475	33.21
Karnataka	191791	37550	5713	43263	22.56
Kerala	38852	20321	2959	23280	59.92
Madhya Pradesh	308252	77414	8073	85487	27.73
Maharashtra	307713	50682	9831	60513	19.67
Manipur	22327	17346	220	17566	78.68
Meghalaya	22429	17146	657	17803	79.37
Mizoram	21081	18186	467	18653	88.48
Nagaland	16579	12489	379	12868	77.62
Odisha	155707	51345	3993	55338	35.54
Punjab	50362	1837	1622	3459	6.87
Rajasthan	342239	16572	8266	24838	7.26
Sikkim	7096	3344	35	3379	47.62
Tamil Nadu	130060	26281	4671	30952	23.80
Telangana	112077	20419	2669	23088	20.60
Tripura	10486	7726	215	7941	75.73
Uttar Pradesh	240928	14679	7442	22121	9.18
Uttarakhand	53483	24295	767	25062	46.86
West Bengal	88752	16847	2136	18983	21.39
A&N Islands	8249	6742	35	6777	82.16
Chandigarh	114	21.56	10	31.56	27.68
Dadra & Nagar Haveli	491	207	30	237	48.27
Daman & Diu	111	20.49	10	30.49	27.47
Lakshadweep	30	27.10	2	29.10	97.00
Puducherry	490	53.67	27	80.67	16.46
Grand Total	3287469	708273	93815	802088	24.39

* Includes Jammu & Kashmir area outside LoC that is under illegal occupation of Pakistan and China.

Annexure referred to in reply to part (d) of the Lok Sabha Starred Question No. 2021 due for answer on 29.11.2019 regarding 'Forest/Green Cover'.

Details of State wise funds released under National Afforestation Programme

(Rupees in Crore)				
S. No.	State	FY 2017-18	FY 2018-19	FY 2019-20
1	Andhra Pradesh	3.36	6.38	
2	Bihar	4.23	0.00	
3	Chhattisgarh	10.86	7.82	5.71
4	Goa	0.00	0.00	
5	Gujarat	0.00	0.00	
6	Haryana	2.71	0.00	
7	Himachal Pradesh	1.72	2.92	0.52
8	Jammu & Kashmir	7.20	0.00	
9	Jharkhand	0.00	0.00	
10	Karnataka	3.24	10.99	
11	Kerala	0.00	0.00	
12	Madhya Pradesh	8.74	7.78	
13	Maharashtra	6.73	15.33	
14	Orissa	3.49	11.36	8.45
15	Punjab	0.00	0.00	
16	Rajasthan	1.40	1.95	
17	Tamil Nadu	0.00	2.07	
18	Telangana	0.00	0.00	
19	Uttar Pradesh	0.67	0.32	
20	Uttarakhand	3.36	2.58	
21	West Bengal	0.00	0.00	
22	Arunachal Pradesh	0.86	0.00	
23	Assam	0.00	0.58	
24	Manipur	3.19	4.38	
25	Meghalaya	1.65	0.74	
26	Mizoram	5.80	7.79	
27	Nagaland	5.85	6.41	2.35
28	Sikkim	0.00	5.98	
29	Tripura	4.94	0.00	3.76
	Total	80.00	95.38	20.80

Annexure referred to in reply to part (d) of the Lok Sabha Starred Question No. 2021 due for answer on 29.11.2019 regarding 'Forest/Green Cover'.

State-wise details of funds released under Green India Mission.

(Rupees in Crore)

Sl. No.	State	FY2017-18	FY 2018-19	FY 2019-20
1	Andhra Pradesh	0.446	2.6662	
2	Chhattisgarh	10.953	5.3607	5.036
3	Karnataka	0.857	1.62339	2.209
4	Kerala*	-	-	16.318
5	Manipur	6.416	4.88812	4.166
6	Mizoram	20.00	22.364	
7	Odisha	1.406	4.74334	14.189
8	Punjab*	6.217	-	
9	Uttarakhand**	-	-	
10	Sikkim	-	3.3236	3.124
11	Maharashtra	-	10.30188	
12	Madhya Pradesh	-	24.15919	
	Total	46.295	79.4304	45.044

Note: *Fund were revalidated for utilization in FY 2016-17.

** Fund were revalidated for utilization in FY 2016-17 and FY 2018-19

Annexure referred to in reply to part (d) of the Lok Sabha Starred Question No. 2021 due for answer on 29.11.2019 regarding 'Forest/Green Cover'.

Details of funds released under the Centrally Sponsored Scheme 'Development of Wildlife Habitats'

(Rupees in Crore)

S.No.	Name of State/UTs	FY 2017-18	FY 2018-19	FY 2019-20
1	A& N Islands	1.4193	1.91	1.3264
2	Andhra Pradesh	0	0.75	0
3	Arunachal Pradesh	2.6993	3.4442	4.1414
4	Assam	2.7582	2.6532	1.6426
5	Bihar	3.2267	7.49	1.4137
6	Chandigarh	0.2606	0	0
7	Chhattisgarh	4.3501	3.5061	3.1003
8	Goa	0.8599	0	0
9	Gujarat	5.5852	22.32	0
10	Haryana	1.8144	1.55	0.4386
11	Himachal Pradesh	2.3741	3.7030	3.0576
12	Jammu & Kashmir	5.7791	4.9243	0
13	Jharkhand	0.9560	0.5051	0.9396
14	Karnataka	4.2789	6.53	4.1856
15	Kerala	9.0083	12.9340	5.7491
16	Madhya Pradesh	13.7948	9.1220	6.2926
17	Maharashtra	8.0805	10.3120	5.5333
18	Manipur	4.2566	4.0560	3.5935
19	Meghalaya	1.1406	3.12	0
20	Mizoram	4.8744	4.30	0
21	Nagaland	5.6587	8.8220	7.7783
22	Odisha	3.4293	4.99	5.5847
23	Rajasthan	6.2242	5.85	6.7956
24	Sikkim	2.0215	3.94	3.9627
25	Tamil Nadu	3.9472	3.8410	4.0950
26	Telangana	1.5708	0	0
27	Uttar Pradesh	3.8696	1.1981	4.2661
28	Uttarakhand	29.7936	17.6410	0
29	West Bengal	6.5799	9.6060	8.006
30	Puducherry	0	0	0
31	Lakshadweep	0.0671	0.4630	1.3679
32	Delhi	0	5.5190	0
33	Tripura	0	0	0.9031
	TOTAL	150.00	165.00	84.1745

Annexure referred to in reply to part (d) of the Lok Sabha Starred Question No. 2021 due for answer on 29.11.2019 regarding 'Forest/Green Cover'.

Details of State/UTs wise funds released under Compensatory Afforestation Funds by Ad-hoc CAMPA

State/UT	FY-17-18	FY-18-19	FY-19-20
	Release (Rs.)	Release (Rs.)	Release (Rs.)
Andaman & Nicobar Islands	1,33,00,000.00	1,56,00,000.00	Nil
Andhra Pradesh	97,00,00,000.00	1,04,47,00,000.00	Nil
Arunachal Pradesh		3,54,15,00,000.00	Nil
Assam	70,00,00,000.00	45,84,00,000.00	Nil
Bihar	30,31,00,000.00	46,61,90,000.00	Nil
Chandigarh	1,13,00,000.00	1,27,00,000.00	Nil
Chhattisgarh	Nil	Nil	Nil
Dadar Nagar Haveli	Nil	Nil	Nil
Daman & Diu	Nil	Nil	Nil
Delhi	Nil	Nil	Nil
Goa	Nil	Nil	Nil
Gujarat	27,00,00,000.00	2,12,6600,000.00	Nil
Haryana	80,00,00,000.00	1,44,20,00,000.00	Nil
Himachal Pradesh	1,20,00,00,000.00	1,32,52,00,000.00	Nil
Jammu Kashmir	69,00,00,000.00	Nil	1,01,77,00,000.00
Jharkhand	2,34,00,00,000.00	2,86,25,00,000.00	Nil
Karnataka	86,00,00,000.00	1,01,40,00,000.00	Nil
Kerala	8,00,00,000.00	14,61,00,000.00	Nil
Lakshadweep	Nil	Nil	Nil
Madhya Pradesh	2,00,00,00,000.00	2,68,76,00,000.00	Nil
Maharashtra	1,99,00,00,000.00	2,25,00,00,000.00	Nil
Manipur	29,50,00,000.00	24,85,00,000.00	Nil
Meghalaya	7,00,00,000.00	Nil	Nil
Mizoram	6,85,00,000.00	8,30,00,000.00	Nil
Nagaland	Nil	Nil	Nil
Orissa	5,09,00,00,000.00	5,54,00,00,000.00	Nil
Pudducherry	Nil	Nil	Nil
Punjab	64,00,00,000.00	79,20,00,000.00	Nil
Rajasthan	1,79,00,00,000.00	1,82,03,00,000.00	Nil
Sikkim	Nil	Nil	Nil
Tamil Nadu	12,68,00,000.00	7,00,00,000.00	Nil
Telangana	1,27,00,00,000.00	2,37,38,00,000.00	Nil
Tripura	7,10,00,000	16,70,00,000.00	Nil
Uttar Pradesh	1,44,00,00,000.00	1,50,60,00,000.00	Nil
Uttrakhand	96,00,00,000.00	3,03,00,00,000.00	Nil
West Bengal	Nil	21,22,00,000.00	Nil
Total	24,049,000,000.00	35,235,890,000.00	1,017,700,000.00

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State-wise details of funds deposited under CAF Act, 2016

(Rupees in crore)

Sl.No.	Name of State	Funds transferred
1	Odisha	5933.98
2	Chhattisgarh	5791.70
3	Madhya Pradesh	5196.69
4	Jharkhand	4158.02
5	Maharashtra	3844.24
6	Telangana	3110.38
7	Uttarakhand	2675.09
8	Uttar Pradesh	1819.63
9	Rajasthan	1748.26
10	Andhra Pradesh	1734.81
11	Himachal Pradesh	1660.72
12	Arunachal Pradesh	1588.72
13	Gujarat	1484.60
14	Karnataka	1350.37
15	Haryana	1282.65
16	Punjab	1040.84
17	Assam	560.81
18	Bihar	522.95
19	Sikkim	392.36
20	Manipur	309.76
21	Goa	238.16
22	West Bengal	236.48
23	Mizoram	212.98
24	Tripura	183.65
25	Meghalaya	163.31
26	Tamil Nadu	113.42
27	Kerala	81.59
	Total	47436.18

