

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO. 4389
TO BE ANSWERED ON 19.07.2019

Forest Area

4389. DR. UMESH G. JADHAV:
SHRI KHAGEN MURMU:
SHRI HANUMAN BENIWAL:
DR. SUJAY RADHAKRISHNA VIKHE PATIL:
SHRI HEMANT TUKARAM GODSE:
SHRI UNMESH BHAYYASAHEB PATIL:

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

- (a) the total forest area/cover in hectares and as a percentage of the total area of the country, State/UT-wise;
- (b) the national coverage of forest area in terms of hectares and percentage;
- (c) the details of funds provided by the Government for conservation, development and expansion of forests in various States during the last four years and the current year along with the success achieved as a result thereof, State/UT-wise including Chhattisgarh;
- (d) whether the area under the forest cover has reduced during the last five years in the country if so, the State/UT-wise details thereof along with the reasons therefor; and
- (e) the details of steps taken by the Government for further expansion of forest area and maintaining the existing forest cover in the country?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

(SHRI BABUL SUPRIYO)

- (a) & (b) Forest Survey of India, Dehradun, an organization under the Ministry carries out the assessment of forest cover of the country biennially and findings are published in India State of Forest Report (ISFR). As per the latest report i.e. ISFR-2017, the total forest and tree cover in the country is 8,02,08,800 hectares (forest cover 7,08,27,300 hectares, tree cover 93,81,500 hectares) which is 24.39% of the geographical area of the country. There is an increase of 8,02,100 hectares (forest cover 6,77,800 hectares, tree cover 1,24,300 hectares) of total forest and tree cover compared to that of ISFR-2015.

State/UT wise details of forest and tree cover along with percentage as per ISFR-2017 is given in **Annexure-I**.

- (c) Details of fund released by the Ministry for conservation, development and expansion of forests under National Afforestation Programme (NAP), Compensatory Afforestation Funds (CAF) and Green India Mission (GIM) during the last four years and the current year to States/UT including Chhattisgarh are given in Annexure-II, III and IV respectively.
- (d) No, Sir. As per ISFR-2017, there is an increase of 8,021 square kilometre in the forest and tree cover of the country compared to that of ISFR-2015. The State/UTs wise details of change in forest cover are given in **Annexure-V**. The main reason for increase in forest cover in some States can be attributed to plantation and conservation activities both within and outside the Recorded Forest areas. The decrease in forest cover in some States is mainly due to rotational felling, shifting cultivation etc.
- (e) For further expansion of forest area and maintaining the existing forest cover of the country, afforestation programmes are being taken up under various Centrally Sponsored Schemes such as NAP and GIM being implemented by the Ministry of Environment, Forest and Climate Change. 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, CAF and under concerned State/UT schemes/plans.

GIM aims at protecting, restoring and enhancing India's forest cover and responding to Climate Change. NAP is a Centrally Sponsored Scheme for afforestation and eco-restoration of degraded forests and adjoining areas through people's participation. To compensate the loss of forest for development works, compensatory afforestation is undertaken on non-forest land and degraded forest land from the funds collected from the user agencies and deposited in the CAF. In addition net present value of the forest land diverted is also deposited in CAF and utilized for additional afforestation and allied forestry activities for eco-restoration of the loss due to forest diversion.

Annexure I

Annexure referred to in reply to part (a) of the Lok Sabha Unstarred Question No. 4389 due for answer on 19.07.2019 regarding 'Forest Area'.

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

(Area in hectare)

State	Geographic Area	Forest cover	Tree Cover	Total Forest and Tree Cover	Percentage of Geographical area
Andhra Pradesh	16296800	2814700	375300	3190000	19.57
Arunachal Pradesh	8374300	6696400	80700	6777100	80.93
Assam	7843800	2810500	149600	2960100	37.74
Bihar	9416300	729900	226300	956200	10.15
Chhattisgarh	13519200	5554700	383300	5938000	43.92
Delhi	148300	19241	11300	30541	20.59
Goa	370200	222900	32300	255200	68.94
Gujarat	19624400	1475700	802400	2278100	11.61
Haryana	4421200	158800	141500	300300	6.79
Himachal Pradesh	5567300	1510000	82200	1592200	28.60
Jammu & Kashmir *	22223600	2324100	781500	3105600	13.97
Jharkhand	7971600	2355300	292200	2647500	33.21
Karnataka	19179100	3755000	571300	4326300	22.56
Kerala	3885200	2032100	295900	2328000	59.92
Madhya Pradesh	30825200	7741400	807300	8548700	27.73
Maharashtra	30771300	5068200	983100	6051300	19.67
Manipur	2232700	1734600	22000	1756600	78.68
Meghalaya	2242900	1714600	65700	1780300	79.37
Mizoram	2108100	1818600	46700	1865300	88.48
Nagaland	1657900	1248900	37900	1286800	77.62
Odisha	15570700	5134500	399300	5533800	35.54
Punjab	5036200	183700	162200	345900	6.87
Rajasthan	34223900	1657200	826600	2483800	7.26
Sikkim	709600	334400	3500	337900	47.62
Tamil Nadu	13006000	2628100	467100	3095200	23.80
Telangana	11207700	2041900	266900	2308800	20.60
Tripura	1048600	772600	21500	794100	75.73
Uttar Pradesh	24092800	1467900	744200	2212100	9.18
Uttarakhand	5348300	2429500	76700	2506200	46.86
West Bengal	8875200	1684700	213600	1898300	21.39
A&N Islands	824900	674200	3500	677700	82.16
Chandigarh	11400	2156	1000	3156	27.68
Dadra & Nagar Haveli	49100	20700	3000	23700	48.27
Daman & Diu	11100	2049	1000	3049	27.47
Lakshadweep	3000	2710	200	2910	97.00
Puducherry	49000	5367	2700	8067	16.46
Grand Total	328746900	70827300	9381500	80208800	24.39

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

Annexure II

Annexure referred to in reply to part (c) of the Lok Sabha Unstarred Question No. 4389 due for answer on 19.07.2019 regarding 'Forest Area'

Details of State wise funds released under National Afforestation Programme

(Rs. in Crore)						
S. No.	State	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
1	Andhra Pradesh	0.87	1.33	3.36	6.38	No release has been made to any State so far.
2	Bihar	5.01	2.18	4.23	0.00	
3	Chhattisgarh	10.20	4.92	10.86	7.82	
4	Goa	0.00	0.00	0.00	0.00	
5	Gujarat	8.54	4.36	0.00	0.00	
6	Haryana	0.72	3.50	2.71	0.00	
7	Himachal Pradesh	0.00		1.72	2.92	
8	Jammu & Kashmir	0.00		7.20	0.00	
9	Jharkhand	0.00		0.00	0.00	
10	Karnataka	1.05	7.33	3.24	10.99	
11	Kerala	1.02		0.00	0.00	
12	Madhya Pradesh	9.45	4.00	8.74	7.78	
13	Maharashtra	14.90	4.76	6.73	15.33	
14	Orissa	9.49	4.62	3.49	11.36	
15	Punjab	0.00		0.00	0.00	
16	Rajasthan	0.75		1.40	1.95	
17	Tamil Nadu	1.42	1.56	0.00	2.07	
18	Telangana	0.00		0.00	0.00	
19	Uttar Pradesh	2.68	2.55	0.67	0.32	
20	Uttarakhand	3.05		3.36	2.58	
21	West Bengal	0.00		0.00	0.00	
	Total (Other States)	69.16	41.10	57.71	69.50	
	North Eastern states					
22	<i>Arunachal Pradesh</i>	0.00	0.00	0.86		
23	<i>Assam</i>	2.56	0.00	0.00	0.58	
24	<i>Manipur</i>	3.67	1.21	3.19	4.38	
25	<i>Meghalaya</i>	1.35	0.00	1.65	0.74	
26	<i>Mizoram</i>	10.17	6.74	5.80	7.79	
27	<i>Nagaland</i>	0.00	5.21	5.85	6.41	
28	<i>Sikkim</i>	1.52	5.09	0.00	5.98	
29	<i>Tripura</i>	5.73	0.00	4.94		
	Total (NE States)	25.00	18.25	22.29	25.88	
	G. Total	94.16	59.35	80.00	95.38	

Annexure III

**Annexure referred to in reply to part (c) of the Lok Sabha Unstarred Question No. 4389 due
for answer on 19.07.2019 regarding 'Forest Area'**

Details of State/UTs wise funds released under Compensatory Afforestation Funds

State/UT	FY 15-16	FY 16-17	FY-17-18	FY-18-19	FY-19-20
	Release (Rs.)	Release (Rs.)	Release (Rs.)	Release (Rs.)	Release (Rs.)
Andaman & Nicobar Islands	10,000,000	Nil	1,33,00,000.00	1,56,00,000.00	Nil
Andhra Pradesh	850,000,000	890,000,000	97,00,00,000.00	1,04,47,00,000.00	Nil
Arunachal Pradesh	620,000,000	1,500,000,000		3,54,15,00,000.00	Nil
Assam		300,000,000	70,00,00,000.00	45,84,00,000.00	Nil
Bihar	341,400,000	330,000,000	30,31,00,000.00	46,61,90,000.00	Nil
Chandigarh	21,179,000	10,000,000	1,13,00,000.00	1,27,00,000.00	Nil
Chhattisgarh	2,390,000,000	2,800,000,000	Nil	Nil	Nil
Dadar Nagar Haveli	Nil	Nil	Nil	Nil	Nil
Daman & Diu	Nil	Nil	Nil	Nil	Nil
Delhi	39,100,000	40,000,000	Nil	Nil	Nil
Goa			Nil	Nil	Nil
Gujarat	330,000,000	990,000,000	27,00,00,000.00	2,12,6600,000.00	Nil
Haryana	640,000,000	180,000,000	80,00,00,000.00	1,44,20,00,000.00	Nil
Himachal Pradesh	854,700,000	1,506,200,000	1,20,00,00,000.00	1,32,52,00,000.00	Nil
Jammu Kashmir	310,000,000	1,020,000,000	69,00,00,000.00	Nil	1,01,77,00,000.00
Jharkhand	1,410,000,000	1,490,000,000	2,34,00,00,000.00	2,86,25,00,000.00	Nil
Karnataka	600,000,000	851,200,000	86,00,00,000.00	1,01,40,00,000.00	Nil
Kerala	Nil	Nil	8,00,00,000.00	14,61,00,000.00	Nil
Lakshadweep	Nil	Nil	Nil	Nil	Nil
Madhya Pradesh	2,130,000,000	1,400,000,000	2,00,00,00,000.00	2,68,76,00,000.00	Nil
Maharashtra	1,550,000,000	2,050,000,000	1,99,00,00,000.00	2,25,00,00,000.00	Nil
Manipur	250,000,000	150,000,000	29,50,00,000.00	24,85,00,000.00	Nil
Meghalaya	165,600,000		7,00,00,000.00	Nil	Nil
Mizoram	100,000,000	77,300,000	6,85,00,000.00	8,30,00,000.00	Nil
Nagaland	Nil	Nil	Nil	Nil	Nil
Orissa	3,220,000,000	4,260,000,000	5,09,00,00,000.00	5,54,00,00,000.00	Nil
Pudducherry	Nil	Nil	Nil	Nil	Nil
Punjab	490,000,000	660,000,000	64,00,00,000.00	79,20,00,000.00	Nil
Rajasthan	480,000,000	1,480,600,000	1,79,00,00,000.00	1,82,03,00,000.00	Nil
Sikkim	110,000,000	90,000,000	Nil	Nil	Nil
Tamil Nadu	35,200,000	90,000,000	12,68,00,000.00	7,00,00,000.00	Nil
Telangana	760,000,000	1,170,000,000	1,27,00,00,000.00	2,37,38,00,000.00	Nil
Tripura	110,000,000	120,000,000	7,10,00,000	16,70,00,000.00	Nil
Uttar Pradesh	1,770,000,000	970,000,000	1,44,00,00,000.00	1,50,60,00,000.00	Nil
Uttrakhand	1,640,000,000	1,707,100,000	96,00,00,000.00	3,03,00,00,000.00	Nil
West Bengal	Nil	210,000,000	Nil	21,22,00,000.00	Nil
Total	21,227,179,000	26,342,400,000	24,049,000,000.00	35,235,890,000.00	1,017,700,000.00

Annexure referred to in reply to part (c) of the Lok Sabha Unstarred Question No. 4389 due for answer on 19.07.2019 regarding 'Forest Area'

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

(Rs. in Crore)

Sl. No.	States	FY 2015-16	FY 2016-17	FY2017-18	FY 2018-19	FY 2019-20
1	Andhra Pradesh	-	1.06	0.446	2.6662	No release has been made so far to any States.
2	Chhattisgarh	23.39	20.23	10.953	5.3607	
3	Karnataka	1.05	0.87	0.857	1.62339	
4	Kerala*	9.15	-	-	-	
5	Manipur	8.35	7.82	6.416	4.88812	
6	Mizoram	-	9.88	20.00	22.364	
7	Odisha	1.83	1.39	1.406	4.74334	
8	Punjab*	6.11.	-	6.217	-	
9	Uttarakhand**	20.21	-	-	-	
10	Sikkim	-	-	-	3.3236	
11	Maharashtra	-	-	-	10.30188	
12	Madhya Pradesh	-	-	-	24.15919	
Total		70.09	41.25	46.295	79.4304	

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 Unstarred Question No. 4389 due for answer on 19.07.2019 regarding 'Forest Area'

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

Sl.No.	Name of State /UT	Geographical Area	ISFR-2015 (update)			ISFR-2017			
			Forest Cover	Tree Cover	Total Forest and Tree Cover	Forest Cover	Tree Cover	Total Forest and Tree Cover	Difference
1	Andhra Pradesh	162968	26006	3965	29971	28147	3753	31900	1929
2	Arunachal Pradesh	83743	67154	761	67915	66964	807	67771	-144
3	Assam	78438	27538	1613	29151	28105	1496	29601	450
4	Bihar	94163	7254	2182	9436	7299	2263	9562	126
5	Chhattisgarh	135192	55559	3629	59188	55547	3833	59380	192
6	Delhi	1483	188.77	111	299.77	192.41	113	305.41	5.64
7	Goa	3702	2210	325	2535	2229	323	2552	17
8	Gujarat	196244	14710	7914	22624	14757	8024	22781	157
9	Haryana	44212	1580	1355	2935	1588	1415	3003	68
10	Himachal Pradesh	55673	14707	757	15464	15100	822	15922	458
11	Jammu & Kashmir	222236	22988	8354	31342	23241	7815	31056	-286
12	Jharkhand	79716	23524	2783	26307	23553	2922	26475	168
13	Karnataka	191791	36449	5552	42001	37550	5713	43263	1262
14	Kerala	38852	19278	2951	22229	20321	2959	23280	1051
15	Madhya Pradesh	308252	77426	7773	85199	77414	8073	85487	288
16	Maharashtra	307713	50699	9558	60257	50682	9831	60513	256
17	Manipur	22327	17083	243	17326	17346	220	17566	240
18	Meghalaya	22429	17262	710	17972	17146	657	17803	-169
19	Mizoram	21081	18717	535	19252	18186	467	18653	-599
20	Nagaland	16579	12939	381	13320	12489	379	12868	-452
21	Odisha	155707	50460	3986	54446	51345	3993	55338	892
22	Punjab	50362	1771	1544	3315	1837	1622	3459	144
23	Rajasthan	342239	16106	8269	24375	16572	8266	24838	463
24	Sikkim	7096	3353	35	3388	3344	35	3379	-9
25	Tamil Nadu	130060	26208	4505	30713	26281	4671	30952	239
26	Telangana	112077	19854	2549	22403	20419	2669	23088	685
27	Tripura	10486	7890	233	8123	7726	215	7941	-182
28	Uttar Pradesh	240928	14401	7044	21445	14679	7442	22121	676
29	Uttarakhand	53483	24272	752	25024	24295	767	25062	38
30	West Bengal	88752	16826	2088	18914	16847	2136	18983	69
31	A&N Islands	8249	6751	37	6788	6742	35	6777	-11
32	Chandigarh	114	21.66	9	30.66	21.56	10	31.56	0.9
33	Dadra & Nagar Haveli	491	206	28	234	207	30	237	3
34	Daman & Diu	111	19.61	10	29.61	20.49	10	30.49	0.88
35	Lakshadweep	30	27.06	4	31.06	27.1	2	29.1	-1.96
36	Puducherry	490	56.95	27	83.95	53.67	27	80.67	-3.28
	Total	3287469	701495	92572	794067	708273	93815	802088	8021

