## GOVERNMENT OF INDIA MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

## RAJYA SABHA UNSTARRED QUESTION NO. 1010 TO BE ANSWERED ON 13.02.2025

## **Prevention of forest fires**

1010. SMT. RAJANI ASHOKRAO PATIL:

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

- (a) the details of the number of forest fires reported in the country during the last year, State-wise;
- (b) the steps taken by Government to prevent forest fires and to protect the country's forests and wildlife; and
- (c) the details of the measures taken by Government to address the issue of climate change and to reduce the country's carbon footprint?

## **ANSWER**

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (SHRI KIRTI VARDHAN SINGH)

- (a) The Forest fire incidences in the country are detected by the Forest Survey of India (FSI), Dehradun using satellite-mounted sensors. As per the data received from the FSI, Dehradun, the State/UT-wisetotal forest fire incidences detected in the last forest fire season i.e., November 2023 to June 2024are given in **Annexure**.
- (b)The Ministry of Environment, Forest and Climate Change has put in place a National Action Plan on Forest Fire-2018, which provides comprehensive measures to prevent forest fires and to improve the resilience of the forests against fire hazards. The State Governments/UT Administrations also prepare State Action Plans, in tandem with the National Action Plan to undertake State/UT-specific measures towards forest fire prevention and management.

To prevent forest fires, the Ministry through the Forest Survey of India (FSI), Dehradun provides one-week advance Pre-Fire Alerts, Large Forest Fire Alerts and Near Real Time Forest Fire Alerts to the registered subscribers and State Forest department officials to combat forest fires.

The Ministry in coordination with the National Disaster Management Authority (NDMA) and the National Disaster Response Force (NDRF) have trained three battalions of the NDRF, comprising 150 personnel to tackle Large Forest Fires. These battalions are deployed as per the requirements to control forest fires.

The Protection of forests and wildlife is primarily the responsibility of the State Governments/Union Territory Administrations. There are legal provisions for the protection of forests and wildlife, which include, the Indian Forest Act 1927, Van (Sanrakshan Evam Samvardhan) Adhiniyam 1980, Wildlife (Protection) Act 1972, and the State Forest Acts, and Rules, etc. The State Governments /UT Administrations take

appropriate actions to protect forests and wildlife under the provisions made under these Acts/ Rules. The Ministry also supports the efforts of the States/ UTs in the prevention and control of forest fires by providing financial assistance under the Centrally Sponsored Forest Fire Prevention and Management Scheme as well as through CAMPA funds.

(c) Climate change is a global collective action problem. Reports from various sources, including the Intergovernmental Panel on Climate Change, highlight that the challenges faced due to global warming are mainly due to cumulative historical and current greenhouse gas emissions of the developed countries. India with more than 17% of the global population has contributed only about 4% of the global cumulative greenhouse gas emissions between 1850 and 2019.

Under the Paris Agreement in 2015, India submitted its Nationally Determined Contribution (NDC) balancing the concerns and priorities of climate change, sustainable development including poverty eradication, and economic growth of the country. In August 2022, India updated its NDC according to which India has an enhanced target to reduce the emissions intensity of its GDP by 45 percent by 2030 from the 2005 level, achieve about 50 percent cumulative electric power installed capacity from non-fossil fuelbased energy resources by 2030. Further, in November 2022, India has submitted its Long-Term Low-Carbon Development Strategy to achieve net-zero by 2070. In December 2023, India submitted National Communication-3 and submitted its 4<sup>th</sup> Biennial Update Report in December, 2024. India has achieved reduction of emission intensity of 36% between 2005 and 2020 (target in 2015 NDC was 33-35%), cumulative electric power installed capacity from non-fossil fuel-based energy resources of 47.10 %( December 2024) (target in 2015 NDC was 40%). As per India State of Forest Report (ISFR) published by Forest Survey of India, Dehradun, India has reached to 30.43 billion tonnes of CO<sub>2</sub> equivalent which indicates that as compared to the base year of 2005 India has reached to 2.29 billion tonnes of additional carbon sink.

The Government is implementing the National Action Plan on Climate Change (NAPCC). It is the overarching policy framework and comprises 09 national missions in specific areas of solar energy, enhanced energy efficiency, water, agriculture, the Himalayan ecosystem, sustainable habitat, green India and strategic knowledge on climate change. Consistent with the objectives of NAPCC, 34 States/Union Territories have prepared State Action Plans on Climate Change (SAPCCs). In addition, the Government has launched many schemes and programs to scale up India's action on both, climate adaptation and mitigation.

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ANNEXURE REFERRED TO IN THE REPLY TO PART (a) OF THE RAJYA SABHA UNSTARRED QUESTION NO. 1010 DUE FOR ANSWER ON 13.02.2025 REGARDING PREVENTION OF FOREST FIRES ASKED BY SMT. RAJANI ASHOKRAO PATIL

State/UT-wise number of forest fires detected by Forest Survey of India using satellite mounted sensors in the last forest fire season i.e. November-2023 to June-2024. (This includes large,

continuous and repeated forest fires)

November 2023 to June 2024   18,174   2	Sr.	State/UTs	Number of forest fire detections
2         Arunachal Pradesh         2,053           3         Assam         7,639           4         Bihar         2,763           5         Chhattisgarh         18,950           6         Delhi         16           7         Goa         36           8         Gujarat         3,182           9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,607           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25 </th <th>November 2023 to June 2024</th>			November 2023 to June 2024
3         Assam         7,639           4         Bihar         2,763           5         Chhattisgarh         18,950           6         Delhi         16           7         Goa         36           8         Gujarat         3,182           9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,860           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26	1	Andhra Pradesh	18,174
4         Bihar         2,763           5         Chhattisgarh         18,950           6         Delhi         16           7         Goa         36           8         Gujarat         3,182           9         Haryana         16           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27	2	Arunachal Pradesh	2,053
5         Chhattisgarh         18,950           6         Delhi         16           7         Goa         36           8         Gujarat         3,182           9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27         Uttar Pradesh         4,424 <t< td=""><td>3</td><td>Assam</td><td>7,639</td></t<>	3	Assam	7,639
6         Delhi         16           7         Goa         36           8         Gujarat         3,182           9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27         Uttar Pradesh         4,424           28         Uttarakhand         21,033 <t< td=""><td>4</td><td>Bihar</td><td>2,763</td></t<>	4	Bihar	2,763
7         Goa         36           8         Gujarat         3,182           9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         20,609           20         Odisha         20,973           21         Punjab         665           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27         Uttar Pradesh         4,424           28         Uttarakhand         21,033           29         West Bengal         2,020	5	Chhattisgarh	18,950
8         Gujarat         3,182           9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27         Uttar Pradesh         4,424           28         Uttarakhand         21,033           29         West Bengal         2,020           30         Andaman & Nicobar Islands         21 </td <td>6</td> <td>Delhi</td> <td>16</td>	6	Delhi	16
9         Haryana         166           10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27         Uttar Pradesh         4,424           28         Uttarakhand         21,033           29         West Bengal         2,020           30         Andaman & Nicobar Islands         21           31         Chandigarh         1 </td <td>7</td> <td>Goa</td> <td>36</td>	7	Goa	36
10         Himachal Pradesh         10,136           11         Jharkhand         7,525           12         Karnataka         5,500           13         Kerala         1,110           14         Madhya Pradesh         15,878           15         Maharashtra         16,008           16         Manipur         4,498           17         Meghalaya         4,319           18         Mizoram         6,627           19         Nagaland         2,609           20         Odisha         20,973           21         Punjab         605           22         Rajasthan         4,352           23         Sikkim         101           24         Tamil Nadu         3,380           25         Telangana         13,479           26         Tripura         2,089           27         Uttar Pradesh         4,424           28         Uttarakhand         21,033           29         West Bengal         2,020           30         Andaman & Nicobar Islands         21           31         Chandigarh         1           32         Dadra & Nagar Haveli and Dama	8	Gujarat	3,182
11       Jharkhand       7,525         12       Karnataka       5,500         13       Kerala       1,110         14       Madhya Pradesh       15,878         15       Maharashtra       16,008         16       Manipur       4,498         17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Daman	9	Haryana	166
12       Karnataka       5,500         13       Kerala       1,110         14       Madhya Pradesh       15,878         15       Maharashtra       16,008         16       Manipur       4,498         17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	10	Himachal Pradesh	10,136
13       Kerala       1,110         14       Madhya Pradesh       15,878         15       Maharashtra       16,008         16       Manipur       4,498         17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	11	Jharkhand	7,525
14       Madhya Pradesh       15,878         15       Maharashtra       16,008         16       Manipur       4,498         17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	12	Karnataka	5,500
15       Maharashtra       16,008         16       Manipur       4,498         17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	13	Kerala	1,110
16       Manipur       4,498         17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	14	Madhya Pradesh	15,878
17       Meghalaya       4,319         18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	15	Maharashtra	•
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18       Mizoram       6,627         19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	17	*	-
19       Nagaland       2,609         20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diaman	18	<u> </u>	
20       Odisha       20,973         21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32		Nagaland	·
21       Punjab       605         22       Rajasthan       4,352         23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	20	· ·	·
23       Sikkim       101         24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	21	Punjab	605
24       Tamil Nadu       3,380         25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	22	Rajasthan	4,352
25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	23	Sikkim	101
25       Telangana       13,479         26       Tripura       2,089         27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	24	Tamil Nadu	3,380
27       Uttar Pradesh       4,424         28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	25	Telangana	
28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	26	Tripura	2,089
28       Uttarakhand       21,033         29       West Bengal       2,020         30       Andaman & Nicobar Islands       21         31       Chandigarh       1         32       Dadra & Nagar Haveli and Daman & Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	27	Uttar Pradesh	4,424
30         Andaman & Nicobar Islands         21           31         Chandigarh         1           32         Dadra & Nagar Haveli and Daman & Diu         16           33         Jammu & Kashmir         3,829           34         Ladakh         32	28	Uttarakhand	
30         Andaman & Nicobar Islands         21           31         Chandigarh         1           32         Dadra & Nagar Haveli and Daman & Diu         16           33         Jammu & Kashmir         3,829           34         Ladakh         32	29	West Bengal	2,020
32         Dadra & Nagar Haveli and Daman & Diu         16           33         Jammu & Kashmir         3,829           34         Ladakh         32	30	Andaman & Nicobar Islands	
32         Dadra & Nagar Haveli and Daman & Diu         16           33         Jammu & Kashmir         3,829           34         Ladakh         32	31		1
& Diu       16         33       Jammu & Kashmir       3,829         34       Ladakh       32	32		17
34 Ladakh 32		& Diu	16
34 Ladakh 32	33	Jammu & Kashmir	3,829
35 Lakshadweep 0	35	Lakshadweep	
36 Puducherry 0	36	4	0
Total 2,03,544		•	2,03,544