

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 1151
ANSWERED ON 05/12/2024

RISING HEATWAVES IN THE COUNTRY

1151. SHRI RAJEEV SHUKLA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether Government has taken cognisance of the rising number of heatwaves in the country;
- (b) if so, the details thereof, State/UT-wise;
- (c) the details of measures being taken in this respect both to provide for adaptation as well to ensure mitigation with respect to the said crisis; and
- (d) the proposed measures to be taken in this regard thereof?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) Yes.
- (b) The number of heatwave days observed over the Indian region during the last three years is given in Annexure-1.
- (c)-(d) The following steps being taken by the India Meteorological Department (IMD) aimed at mitigating the impact of heatwaves on the general public:

India Meteorological Department (IMD), in collaboration with the National Disaster Management Authority (NDMA) and the local health departments, has started a Heat Action Plan (HAP) in many parts of the country to forewarn about the heat waves and also advise action to be taken during such occasions. NDMA has also developed guidelines to be followed to mitigate the impact of heatwaves on labourers.

The heatwave forecast and warning information by IMD are provided to all the stakeholders, including ministries of the Union Government, State Governments, and local Government bodies. IMD issues various outlooks/forecasts/warnings for the public and disaster management authorities to prepare for extreme weather events, including heatwaves. While issuing the alert, a suitable color code is used to highlight the impact of the severe weather expected and signal disaster management about the course of action to be taken regarding an impending disaster weather event. IMD issues the necessary warnings and advisories well in advance for preparedness. All these real-time products were disseminated to all users using a website, API, Common Alert Protocol (CAP), WhatsApp, and e-mails. A series of National and State-level heatwave preparedness meetings are conducted much before the start of the summer season, with regular review meetings from time to time during the season.

Annexure-1

Number of heatwaves days observed over Indian region during the last three years:

REGION	2022	2023	2024
ASSAM & MEGHALAYA	0	0	1
N M M T	0	0	0
SHWB & SIKKIM	1	15	11
GANGETIC WEST BENGAL	8	27	31
ODISHA	11	24	37
JHARKHAND	27	16	23
BIHAR	13	29	30
EAST U.P.	33	11	33
WEST U.P.	28	5	32
UTTARAKHAND	5	0	10
HAR. CHD & DELHI	37	5	30
PUNJAB	22	3	27
HIMACHAL PRADESH	38	0	18
JAMMU & KASHMIR & LADAKH	19	0	11
WEST RAJASTHAN	58	3	29
EAST RAJASTHAN	28	0	23
WEST MADHYA PRADESH	42	4	24
EAST MADHYA PRADESH	34	13	26
GUJARAT REGION	13	1	14
SAURASHTRA & KUTCH	25	4	16
KONKAN & GOA	2	6	4
MADHYA MAHARASHTRA	2	1	8
MARATHWADA	0	0	3
VIDARBHA	18	11	11
CHHATTISGARH	3	12	13
COASTAL A. P.& YANAM	0	22	11
TELANGANA	0	14	12
RAYALASEEMA	0	1	16
TAMIL, PUDU. & KARAIKAL	0	1	13
COASTAL KARNATAKA	0	2	3
N. I. KARNATAKA	0	0	18
S. I. KARNATAKA	0	0	10
KERALA & MAHE	0	0	6
All total heatwave days	467	230	554
