

PARLIAMENT QUESTION: CITIES FACING DOUBLE HEATWAVE AND EXTREME RAINFALL

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The Government is aware of the recent report by IPE Global and Esri India, which finds that cities in India will face a two-fold rise in heatwave days and an increase in extreme rainfall events by 2030. It reveals that by 2030, climate change is expected to drive a 43% rise in the intensity of extreme rainfall events across India, making the country hotter and wetter.

India Meteorological Department (IMD) continuously monitors extreme weather events such as heatwaves and heavy rainfall across various locations in India, including urban areas, using station and city-based meteorological data. Also, gridded rainfall (25 km resolution) and temperature data (50 km resolution) provided by the IMD are also utilised to track these extreme events. The year-wise number of heatwave days over different sub-divisions in the last 11 years is given in Annexure-1.

Under the Ministry of Earth Science, the India Meteorological Department, in collaboration with the Indian Institute of Tropical Meteorology (IITM), provides outlook for risk assessments and impact-based forecasts for early warning systems for climate hazards.

Ministry of Earth Sciences (MoES) implements the central sector schemes uniformly throughout the country; hence, the allocation of funds is not State-wise. Funds are not directly released to the State Governments from the MoES to implement the central sector schemes.

The State disaster management authorities have their resources available through the State Disaster Response Fund (SDRF) and State Disaster Mitigation Fund (SDMF) to support it. If there is a request from the States for financial assistance, the Central Government considers it in accordance with the relevant guidelines for the National Disaster Response Fund (NDRF) and National Disaster Mitigation Fund (NDMF).

State Government can use up to 10% of the annual fund allocation of the SDRF, subject to the fulfillment of certain prescribed conditions and norms, to provide immediate relief to the victims of natural disasters that they consider to be 'disasters' within the local context in the State and which are not included in the centrally notified list of natural disasters.

Annexure-1

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
A s s a m & Meghalaya	0	0	0	0	0	0	0	0	0	1	0
N M M T	0	0	0	0	0	0	0	0	0	0	0
Shwb& Sikkim	0	0	0	0	0	0	0	1	15	11	1
Gangetic West Bengal	3	14	0	3	4	0	3	8	27	31	4
Odisha	14	20	12	4	2	0	3	11	24	37	7
Jharkhand	5	11	2	0	6	0	0	27	16	23	4
Bihar	4	6	0	3	12	0	0	13	29	30	4

East U.P.	12	2	9	4	10	2	0	33	11	33	8
West U.P.	10	3	11	6	4	2	2	28	5	32	5
Uttarakhand	2	0	0	0	0	0	0	5	0	10	0
Har. Chd& Delhi	6	3	11	4	11	0	2	37	5	30	1
Punjab	2	2	7	0	0	0	0	22	3	27	7
Himachal Pradesh	0	3	4	4	0	0	2	38	0	18	10
Jammu & Kashmir & Ladakh	0	0	0	0	2	0	0	19	0	11	13
West Rajasthan	24	28	28	29	28	5	6	58	3	29	33
East Rajasthan	10	11	14	5	25	0	4	28	0	23	2
West Madhya Pradesh	19	18	19	8	19	4	2	42	4	24	7
East Madhya Pradesh	15	20	19	9	30	0	0	34	13	26	10
Gujarat Region	6	4	8	2	3	0	0	13	1	14	7
Saurashtra & Kutch	12	3	8	2	9	6	12	25	4	16	13
Konkan & Goa	1	0	0	2	0	0	4	2	6	4	1
Madhya Maharashtra	1	3	1	0	11	2	0	2	1	8	1
Marathwada	1	2	0	0	10	3	0	0	0	3	3
Vidarbha	15	12	22	14	54	0	2	18	11	11	8
Chhattisgarh	9	2	1	3	7	2	0	3	12	13	1
Coastal A. P.& Yanam	8	6	6	2	11	0	0	0	22	11	0
Telangana	8	6	3	0	14	2	0	0	14	12	1
Rayalaseema	0	1	0	0	0	0	0	0	1	16	0
Tamil., Pudu. & Karaikal	0	0	7	0	4	0	2	0	1	13	0
Coastal Karnataka	0	0	0	0	0	0	0	0	2	3	0
N. I. Karnataka	1	0	0	0	0	0	0	0	0	18	0
S. I. Karnataka	0	0	0	0	0	0	0	0	0	10	0
Kerala & Mahe	0	9	0	0	0	0	0	0	0	6	0

This information was given by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science and Technology, Earth Sciences, MoS PMO, MoS Personnel, Public Grievances & Pensions, Department of Atomic Energy and Department of Space, in a written reply in the Lok Sabha today.

NKR/PSM/AV

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