

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 2126
ANSWERED ON 07/08/2025

**HEATWAVE-RELATED DEATHS AND MITIGATION MEASURES IN
MAHARASHTRA**

2126. DR. FAUZIA KHAN:

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) whether any data is available on the number of deaths caused by heatwaves in the State of Maharashtra over the last five years, district-wise details, particularly for the Marathwada and Vidarbha regions;
- (b) whether compensation has been provided to the families of those who succumbed to heatwaves, and if so, the total amount disbursed and the details of the beneficiaries; and
- (c) the measures undertaken to mitigate the impact of heatwaves in heatwave-prone districts, with a specific focus on Vidarbha and Marathwada as identified in the latest Heatwave Action Plan?

ANSWER

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

- (a) The latest data of deaths due to Heat/Sun Stroke in Maharashtra during 2018-2022, as available from the National Crime Records Bureau (NCRB), Ministry of Home Affairs (MHA), is given in Annexure-1.
- (b) 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).
- (c) The India Meteorological Department (IMD), in collaboration with various research centers across the country, has undertaken several initiatives to enhance monitoring and early warning systems. These efforts have significantly contributed to minimizing the loss of life and property during extreme weather events, including heat waves. These include:
 - Issuing seasonal and monthly outlooks, followed by extended-range forecasts of temperature and heatwave conditions. The early warning and forecast information are also disseminated through various social media platforms for timely public outreach.
 - District-wise heatwave vulnerability Atlas over India to help State Government authorities and disaster management agencies in planning.

- The hot weather hazard analysis map of India incorporates daily data on temperature, wind patterns, and humidity levels.
- 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.

The weather information is provided to all the stakeholders, including the ministries of the Union Government, State Governments, and local Government bodies. Further, Heat Action Plans (HAPs) have been implemented in 23 States, including all districts in Vidarbha and Marathwada that are particularly vulnerable to heatwave conditions. These plans are a joint initiative by the National Disaster Management Authority (NDMA) in collaboration with the respective State Governments. The Common Alert Protocol (CAP), developed by the NDMA, is also being implemented to disseminate warnings and timely alerts by the IMD.

IMD has also brought out a web-based online "Climate Hazard & Vulnerability Atlas of India" prepared for the thirteen most hazardous meteorological events, which cause extensive damage and economic, human, and animal losses. The same can be accessed at <https://imd pune.gov.in/hazardatlas/about hazard.html>. This atlas will help State Government authorities and disaster management agencies identify the hotspots and plan and take appropriate action to tackle extreme weather events. This product is helpful in building Climate Change resilient infrastructure. Further, the India Meteorological Department provides weather information to the public through various platforms:

- Mass Media: Radio/TV, Newspaper network (AM, FM, Community Radio, Private TV), Prasar Bharati, and private broadcasters
- Weekly & Daily Weather Video
- Internet (email), FTP
- Public Website (mausam.imd.gov.in)
- IMD Apps: Mausam/Meghdoot/DAMINI/RAIN ALARM
- Social Media: Facebook, X, Instagram, BLOG
 - i. X: <https://twitter.com/Indiametdept>
 - ii. Facebook: <https://www.facebook.com/India.Meteorological.Department/>
 - iii. Blog: <https://imdweather1875.wordpress.com/>
 - iv. Instagram: https://www.instagram.com/mausam_nwfc
 - v. YouTube: https://www.youtube.com/channel/UC_qxTReoq07UVARm87CuyQw

Annexure-1

Deaths due to Heat/Sun Stroke in Maharashtra during 2018-2022:

S. No.	Year	Number of deaths
1.	2018	128
2.	2019	159
3.	2020	56
4.	2021	37
5.	2022	90

Source: As per data provided by the State, Accidental Deaths
& Suicides in India, National Crime Records Bureau
(NCRB), Ministry of Home Affairs (MHA).
