

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
LOK SABHA  
UNSTARRED QUESTION NO. 462  
TO BE ANSWERED ON WEDNESDAY, 6<sup>TH</sup> DECEMBER, 2023**

**EXTREME WEATHER**

462. DR. BEESETTI VENKATA SATYAVATHI:  
SHRIMATI CHINTA ANURADHA:  
SHRI MAGUNTA SREENIVASULU REDDY:  
SHRI M.V.V. SATYANARAYANA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Ministry has taken any cognisance of the fact that due to geographic conditions, coastal Andhra Pradesh is among the areas most vulnerable to heatwaves;
- (b) if so, whether the Government has formulated any policies in consonance with concerned State Government to mitigate the effects of such extreme weather events and if so, the details thereof;
- (c) whether the Government plans to grant financial assistance to such States to aid them in implementing policies to reduce the effects of heatwaves and similar conditions; and
- (d) if so, the details thereof and if not, the reasons therefor?

**ANSWER**

THE MINISTER OF EARTH SCIENCES  
(SHRI KIREN RIJIJU)

- (a) Yes Sir.
- (b) India Meteorological Department (IMD) has taken up various steps to improve monitoring and early warning system which helped minimizing loss of life and property during extreme weather events including heat waves. These include:
  - i. Introduction of seasonal, monthly, and extended-range forecasts of temperature, and heat wave condition.
  - ii. Impact based forecast of heat wave condition at district levels.
  - iii. Heat wave vulnerability Atlas over India to help State Government authorities and disaster management agencies in planning and taking appropriate action.
  - iv. The hot weather hazard analysis over India that includes daily temperature, winds, and humidity condition.
  - v. Heat index forecast for the entire country.
  - vi. Real time heat wave information and warnings on the Web-GIS platform.
  - vii. Heat Action Plans (HAPs) in 23 States jointly implemented by National Disaster Management Authority (NDMA) in collaboration with the State Governments.
  - viii. Improvement of warning dissemination services; using modern tools of dissemination systems for timely public outreach.

- (c-d) Ministry of Earth Sciences does not provide any financial assistance to the states. However, it implements the central sector scheme “Atmosphere & Climate Research- Modeling Observing Systems & Services (ACROSS)” for the country as a whole and hence the allocation of funds is not state-wise. As a part of this scheme, IMD deploys and sustain the state-of-art observing systems to monitor weather, climate and ocean parameters. IMD generates and disseminates a suite of weather and climate information, advisories, warnings for the benefit of society. The Ministry carries out research and development activities to develop and improve capability to forecast weather, climate and hazard related phenomena for societal, economic and environmental benefits.

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