

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:231

ANSWERED ON:22.07.2015

Heat Waves

Chavan Shri Harishchandra Deoram

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) Whether the Government has taken note of global rise in temperature and especially in Indian continent and if so, the details thereof;
- (b) Whether a large number of deaths due to intensive heat waves were reported in various parts of the country and if so, the details thereof, State-wise;
- (c) Whether the Government has conducted or propose to conduct a detailed scientific study on the 'heat wave' phenomenon in various parts of the country and if so, the details thereof including Kerala;
- (d) Whether the Government has also assessed the impact of intensive heat waves on human beings, flora and fauna of the country and if so, the details thereof ; and
- (e) The remedial measures taken/ proposed to be taken by the Government to address the issue?

Answer

THE MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a)-(b) No Madam.

(c) Under the areas covered under the radial range of Doppler Weather Radars (DWRs), 10-minutes updates of cloud characteristics and rainfall rate and associated spatial distribution are getting generated for very short range (6h) – Nowcast of various severe weather phenomena including severe thunder storms and associated possible hail storm activity.

Further, specific agro-meteorological advisories preceding three major Hail/severe thunder storm events that have severely impacted parts of Maharashtra-NW & Central India during 28 Feb. – 1 March and during 13-16 March; J & K during 28-30 March of 2015 were issued covering safeguards/remedial measures on 27th Feb./3rd March; 12-13/17th March and 27/31 March respectively under Gramin Krishi Mausam Seva (GKMS) Program of ESSO-IMD.

(d) Specific Feedback from Farmers suggest that

i) Farmers from Uttarakhand harvested Toria crop prior to the intense rain spell that saved from shattering atleast 50% of its recorded yield (2.5 t/ha).

ii) 8-Farmers from different villages of Amaravati District of Maharashtra have harvested their vegetable crops so as to avoid damage from the hail/rain.