GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 1797
TO BE ANSWERED ON WEDNESDAY, 30TH JULY, 2025

WEATHER FORECAST SYSTEM FOR GRAM PANCHAYATS

†1797. SHRI DAROGA PRASAD SAROJ:

Will the Minister of EARTH SCIENCES be pleased to state:

(a)   whether the Government has started Panchayat-level weather forecasting for Gram Panchayats in the country with effect from 24th October, 2024 in collaboration with India meteorological Department;

(b)   if so, the salient features of the said system;

(c)   whether the farmers of Uttar Pradesh including Lalganj and Azamgarh Lok Sabha Constituencies are aware of Panchayat-level weather forecast facility and if so, the details thereof;

(d)   the various measures taken by the Government to protect agricultural livelihoods and enhance protection against natural disasters across the country including Uttar Pradesh; and

(e)   the plan of the Government to help farmers in their efforts to prevent natural calamities by having advance information about weather conditions so that they can take necessary steps to manage their crops and deal with uncertainties in the yield and take precautions?

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

(a)-(b) Yes. The Ministry of Earth Sciences (MoES) has launched the Gram Panchayat Level Weather Forecasting (GPLWF) initiative. The India Meteorological Department (IMD), in collaboration with the Ministry of Panchayati Raj (MoPR), launched the GPLWF for nearly all Gram Panchayats in India on 24thOctober 2024. These forecasts are accessible on digital platforms such as e-Gramswaraj (https://egramswaraj.gov.in/), the Meri panchayat app, e-Manchitra of MoPR, and Mausamgram of IMD (https://mausamgram.imd.gov.in/).

The main aims and objectives of the GPLWF are to provide weather forecasts upto Gram Panchayat Levels, covering critical parameters such as temperature, rainfall, humidity, wind, and cloud conditions—essential data that farmers need for informed decision-making regarding sowing, harvesting, and irrigation. The platform makes weather forecast information accessible anytime and anywhere at the panchayat level across the country. Attempts have been made to reach a larger number of people for this weather information through Pashu Sakhis and Krishi Sakhis under the Ministry of Agriculture and Farmers Welfare and the Ministry of Rural Development, as well as other Self Help Groups (SHGs). The GPLWF helps farmers to have access to localized weather information available hourly for up to 36 hours lead period, 3-hourly from 36 hours to the next five days, and every 6 hours from the next 5 days to 10 days. The forecast covers crucial weather parameters such as temperature, rainfall, relative humidity, wind, and cloud cover. It is also available at the link https://mausamgram.imd.gov.in/.

(c)   No specific survey has been conducted so far in this regard. However, the forecast is readily available through the mobile App in a very user-friendly manner, and there have been continuous efforts by the IMD to increase awareness among the farmers in this regard. Also, the Ministry of Panchayat Raj has been making efforts to promote effective outreach via e-GramSwaraj, Meri Panchayat app, and Gram Manchitra without any human intervention. All Panchayat Sarpanch and Sachiv use Meri Panchayat App.

(d)-(e) To protect agricultural livelihood and enhance protection against weather related natural disasters across the country including Uttar Pradesh, IMD in coordination with Ministry of agriculture and State agriculture Dept, Agriculture Universities, etc, provides Agrometeorological Advisory Services (AAS) viz. under Gramin Krishi Mausam Sewa (GKMS) scheme specifically for the benefit of farming community in the country.

Along with the biweekly bulletins, impact-based weather forecasts and nowcast warnings up to district and sub-city levels are also shared for severe weather events like heavy rainfall, thunderstorms, lightning, heat waves, etc..

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