

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE & FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE & FARMERS WELFARE

**LOK SABHA**  
**UNSTARRED QUESTION NO. 918**  
TO BE ANSWERED ON THE 07<sup>TH</sup> FEBRUARY, 2023

**Weather Monitoring System**

†918. SHRIMATI RANJEETA KOLI:  
SHRI BALAK NATH:  
SHRI SUMEDHANAND SARASWATI:  
DR. MANOJ RAJORIA:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) whether the Government is using weather monitoring to assist the farmers in the country so that they can improve their agricultural production and if so, the details thereof;
- (b) whether the Government has taken any steps to identify the risk factors in the agriculture sector using modern information technology in order to provide information to the farmers of the country at the beginning of the seasons and if so, the details of the capabilities of the India Meteorological Department to meet the said challenges;
- (c) whether the Government has introduced any scheme to ensure that farmers living in rural areas of the country get timely information in this regard and if so, the details thereof; and
- (d) the details regarding the steps taken for modernization and development of equipments for accurate and specific information dissemination?

**ANSWER**

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a): Yes, Sir. Weather monitoring system is used to help the farmers in making better agricultural decisions like carrying out timely sowing of crops according to weather forecast. The India Meteorological Department (IMD) is undertaking a project called "Gramin Krishi Mausam Seva (GKMS)" in collaboration with ICAR institutes and State Agricultural Universities to provide farmers with weather based agro advisory services. Advisory is given to the farmers for undertaking efficient management practices in crops for improving the

yield, enhancing the income of farmers, and reducing the losses due to weather in agriculture.

(b) to (d): To ascertain the risk factor, IMD also monitors rainfall situation & weather aberrations and issues alerts & warnings to the farmers time to time under GKMS scheme. SMS-based alerts and warnings for extreme weather events along with suitable remedial measures are issued to take timely operations by the farmers. Such alerts and warnings are also shared with State Department of Agriculture for the effective management of calamity.

By making use of modern technology for the Agromet Advisories are disseminated to the farmers through multichannel dissemination system like print and electronic media, Doordarshan, radio, internet etc. including SMS using mobile phones through Kisan Portal and also through private companies under Public Private Partnership (PPP) mode. Presently, SMS advisories are being sent during extreme weather events like cyclone, deep depression etc. through Kisan Portal.

With the advancement in information technology, farmers access the weather information including alerts and related agromet advisories specific to their districts through the mobile App viz., 'Meghdoot' launched by Ministry of Earth Sciences, Government of India. These weather details are also accessible by farmers through another App 'Kisan Suvidha', launched by Ministry of Agriculture & Farmers Welfare. Also, a few Agromet Field Units (AMFUs) have developed mobile Apps to facilitate quick dissemination of agromet advisories to the farmers of their region.

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