

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 3260
TO BE ANSWERED ON WEDNESDAY, 9TH AUGUST, 2023**

ACCURACY OF METEOROLOGICAL FORECASTS

†3260. SHRI DULAL CHANDRA GOSWAMI:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the percentage of accuracy of meteorological forecasts is very low;
- (b) if so, whether the Government has formulated any scheme to improve the performance of the scientists engaged in the field of weather forecasting;
- (c) if so, the details thereof;
- (d) whether the necessary infrastructure is available in the country to take corrective measures in meteorology; and
- (e) if so, the details thereof along with the proposals for taking steps by the Government to upgrade the infrastructure of the Indian Meteorological Department?

ANSWER

THE MINISTER OF EARTH SCIENCES
(SHRI KIREN RIJJU)

- (a) No Sir. During the past few years, India Meteorological Department (IMD) has been continuously improving weather prediction services in terms of accuracy, lead time and associated impact. The forecasts and warnings are issued at the national, State and district levels. Most of the forecasts, issued in all time scales remain within the forecast limit or close to the error limit. There has been about 40% improvement in forecast accuracy of severe weather events in recent five years compared to previous years.
- (b) Does not arise.
- (c) Does not arise.
- (d) Yes Sir.
- (e) IMD continuously upgrades and enhances its capability in terms of its infrastructure for weather forecasting.

IMD is already maintaining a very good weather monitoring network across the country. The current surface observation network of IMD is given in the Table below:

Surface Observatory (SO)	Part Time Surface Observatory	District-wise Rainfall Monitoring Scheme (DRMS).	Agro Manual observatory	Automatic Weather Station (AWS)	Agro Automatic Weather Station (AAWS)	Automatic Rain gauge Station (ARG)	Doppler Weather Radars
206	320	5279	223	1008	200	1382	37
