

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
STARRED QUESTION NO. *248
TO BE ANSWERED ON WEDNESDAY, 20TH DECEMBER, 2023

ACROSS SCHEME

*248. SHRI NAYAB SINGH:

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) the details of the Atmosphere and Climate Research-Modelling Observing Systems & Services (ACROSS) scheme which aims at providing reliable weather and climate forecast for better management;
- (b) the progress made under the said scheme and the intended impact of the scheme; and
- (c) the details of other measures being taken to improve climate forecasting which will help the agriculture sector in the country?

ANSWER
THE MINISTER OF EARTH SCIENCES
(SHRI KIREN RIJJU)

(a)to (c): A Statement is laid on the Table of the House.

STATEMENT LAID ON THE TABLE OF THE LOK SABHA IN REPLY TO (a) to (c) OF STARRED QUESTION NO. *248 REGARDING “ACROSS SCHEME” TO BE ANSWERED ON DECEMBER 20, 2023

(a) Atmosphere & Climate Research-Modelling Observing Systems & Services (ACROSS) umbrella scheme is central sector scheme to deliver real time global weather and climate services. The weather/climate services involve the observational systems, assimilation of meteorological observations, understanding the physical processes and the science of climate change, development of dynamical models and dissemination of the forecast services.

(b) The forecast at different time and spatial scales have been improved significantly (40 to 50%) by installing observational systems, improved understanding of the atmospheric processes, enhancement in modelling and data assimilation techniques and efficient dissemination of services.

The above progress has positively impacted not only the agriculture sector, but also aviation, tourism, power, etc. and reduced the loss to lives and property.

(c) Augmentation of observational network across the country along with the computing facility which are already in progress are the steps towards improving the weather and climate forecasting for different sectoral applications including agriculture sector.
