

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:3810
ANSWERED ON:25.08.2011
AUTOMATIC WEATHER STATIONS
Rai Shri Prem Das

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether any modern automatic weather stations have been set up in the North Eastern States and Sikkim;
- (b) if so, the details thereof;
- (c) whether the Government has taken any steps to link these weather stations with micro insurance programmes for farmers;
- (d) if so, the details thereof;
- (e) whether there is any Government programme to understand the nature of monsoon pattern in these areas; and
- (f) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PLANNING, MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES (SHRI ASHWANI KUMAR)

(a) Yes Madam.

(b) Identified number of locations of modern automatic weather stations (AWSs) and Automatic Rain Gauges (ARGs) over the North Eastern States and Sikkim are given below:

State/UT	AWS	Agro-AWS
Arunachal Pradesh	7	1
Assam	21	6
Manipur	10	1
Meghalaya	7	1
Mizoram	8	1
Nagaland	8	1
Sikkim	1	0
Tripura	6	1

State/UT	ARG
Arunachal Pradesh	14
Assam	43
Manipur	5
Meghalaya	12
Mizoram	14
Nagaland	5
Tripura	8
Sikkim	11

(c) No Madam.

(d) Does not arise as the AWS and ARG networks are for weather monitoring and warning purposes only.

(e) Yes Madam.

(f) Launched a high-priority Programme to address the Science issues of Global and Regional Climate Change with a well equipped state-of-the-art Center for Climate Change Research (CCCR) at Indian Institute of Tropical Meteorology (IITM), Pune for inter-disciplinary research and training in the area of science of climate change. Prioritized R & D efforts are initiated to comprehensively understand the causes for the aforementioned changes in the southwest monsoon rainfall and to improve the rainfall predictions in all time scales.

Under the aegis of the Indian Network of Climate Change Assessment (INCCA), a Report, entitled Climate Change & India: A 4X4 Assessment–A Sectoral and Regional Assessment of Impact of Climate Change in 2030s, has been released by the Government during November, 2010. Studies were undertaken in four climate sensitive regions of the country, viz. Himalayan Region, Western Ghats, North Eastern Region, Coastal Areas, assessed impacts in the four sectors viz. agriculture, water, forests and health, have been analysed using regional climate model fields generated in India by the CCCR.