

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No. 1120
TO BE ANSWERED ON TUESDAY, JULY 02, 2019**

RESEARCH ON CLIMATE CHANGE

1120. SHRI. P. BHATTACHARYA:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether Government proposes to conduct research on climate change;**
- (b) if so, the details thereof;**
- (c) the expenditure likely to be incurred on the said research;**
- (d) whether any agreement has been signed with foreign countries in this regard; and**
- (e) if so, the details thereof?**

ANSWER

**MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(DR. HARSH VARDHAN)**

- (a) Yes Sir.**
- (b) Ministry of Earth Sciences (MoES), Govt. of India has already established the Centre for Climate Change Research (CCCR) at the Indian Institute of Tropical Meteorology (IITM), Pune, since January 2009 to study the impact of climate change in the country. The centre is dedicated to carry out research on global and regional climate change with a particular focus on the Indian climate and the monsoons. CCCR has started the coupled climate modelling, and based on the efforts, an Indian Climate specific Earth System Model (ESM) has been developed which is contributing to the Intergovernmental Panel on Climate Change (IPCC) 6th Assessment (IPCC-AR6). Currently efforts are ongoing to generate the climate change scenarios. Also to better understand the regional climate change issues, CCCR has also undertaken the Coordinated Downscaling Experiment (CORDEX)-South Asia Program. It is generating and collating from various partners, downscaled (regionalizing at high resolution) and latest climate projections from multiple models.**

- (c) Rs. 279.94 Crore is the total budgeted fund during the period 2017-18 to 2019-20 for the program Monsoon Convection, Clouds and Climate Change (MC4), which includes the following sub programs:**
- i) Centre For Climate Change Research (CCCR) including Virtual Water Centre**
 - ii) Physics & Dynamics of Tropical Clouds (PDTC)**
 - iii) Atmospheric Research Testbeds (ART) for process studies and National Climate Reference Network (NCRN)**
 - iv) Metro Air Quality and Weather Service (MAQWS)**
- (d) No MoU has been signed with foreign countries in this regard.**
- (e) Does not arise.**
