

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION NO.1130**  
TO BE ANSWERED ON 28.06.2019

**Scientific Study on Floods in Kerala**

1130. SHRI MOHAMMED FAIZAL P.P.:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the Government has carried out any scientific study on the 2018 floods which ravaged the State of Kerala and killed hundreds of people; and
- (b) if so, the details thereof;
- (c) whether the Government proposes to start centres in various districts to study issues relating to climate change; and
- (d) if so, the details thereof?

**ANSWER**

**MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**  
**(SHRI BABUL SUPRIYO)**

(a) and (b) After the recent floods of August, 2018, a study on the hydrological processes of the flood has been carried out by Central Water Commission (CWC). As per the study, Kerala experienced an abnormally high rainfall from 1 June, 2018 to 19 August, 2018. As per IMD data, Kerala received 2346.6 mm of rainfall from 1 June, 2018 to 19 August, 2018 in contrast to an expected 1649.5 mm of rainfall. This rainfall was about 42% above the normal. Further, the rainfall over Kerala during 1st to 19th of August was 164% above normal. Due to heavy rainfall, the first onset of flooding occurred towards the end of July. A severe spell of rainfall was experienced at several places on the 8th and 9th of August, 2018. Another severe spell of rainfall started from the 14th of August and continued till the 19th of August, resulting in disastrous flooding in 13 out of 14 districts.

As per assessment made by Central Teams, 477 human lives were lost, 76,830 cattle lost and 6.54 lakh houses damaged and 0.94 lakh ha. cropped area have been reportedly affected due to floods/ landslides in Kerala during the year 2018.

(c) and (d) Department of Science and Technology has supported a State Climate Change Cell in the Department of Environment, Institute for Climate Change Cell in State of Kerala with a mandate to undertake work on Vulnerability & Risk Assessment, Human and Institutional Capacity Building and Public Awareness programmes under National Mission on Strategic Knowledge for Climate Change.

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