

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION No. 3471
TO BE ANSWERED ON WEDNESDAY, MARCH 18, 2015**

CLIMATE CHANGE IN NORTH POLE

3471. SHRI GOPAL SHETTY:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government proposes to undertake any research on climate change at the North Pole;**
- (b) if so, the details thereof;**
- (c) the expenditure likely to be incurred on such research;**
- (d) whether any agreement has been signed for cooperation with any country in this regard; and**
- (e) if so, the details thereof?**

ANSWER

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y.S. CHOWDARY)**

- (a-b) Yes Madam. Earth System Science Organisation -The National Centre for Antarctic and Ocean Research (ESSO-NCAOR) have a research project for 'Long – term monitoring of Kongsfjorden system (Ny-A lesund, Svalbard, Norway) of Arctic region for climate change studies'.**

Under program, the impact of climate change on the Arctic fjord is being monitored for time-series observations since 2010, with regard to the physical and biogeochemical parameters of the fjord from early Summer through Fall at 12 fixed locations. Results of the studies have culminated in successful deployment of country's first multi-sensor mooring system in the Arctic at a water depth of 190 m in the Kongsfjorden on 23rd July 2014 for expanding the efforts further.

- (c) Approximately Rs.15 crore is made.**

- (d-e) The long-term monitoring of the Kongsfjorden system forms part of a component of the MoU entered into between the National Centre for Antarctic and Ocean Research (NCAOR) and the Norwegian Polar Institute (NPI), Tromso, Norway, in 2008.**
