

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO.837
TO BE ANSWERED ON FRIDAY, FEBRUARY 05, 2021

Effects of Climate Change on Marine Species

837. SHRIMATI RANJANABEN DHANAJAYA BHATT

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Climate Change is adversely affecting the marine species;
- (b) if so, the details thereof;
- (c) whether the Government proposes to take any steps to save marine species;
- (d) if so, the details thereof; and
- (e) if not the reasons therefore?

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

- (a) Yes, Sir.
- (b) The studies of Centre for Marine Fisheries Research Institute (CMFRI) has revealed the increase in jellyfishes due to the increasing temperature in the Arabian Sea. The proliferation of jellyfishes resulted in the overfeeding of sardine larvae leading to a considerable reduction in sardine fishery. Frequent coral bleaching events occurred at Gulf of Mannar and Andaman & Nicobar Islands are mostly coinciding with El Nino events indicative of increase in Sea Surface Temperature.
- (c) Yes, Sir. Ministry of Earth Sciences proposes to continue ongoing studies of marine living resources during the period 2021-2026 to enhance the understanding.
- (d) Ministry of Earth Sciences proposes to continue ongoing studies of marine living resources including the studies of physical processes, bio-geochemistry and biological response to varying ecosystem processes in Arabian Seas and bio-inventorisation of various marine specie
- (e) Does not arise.
