

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOKSABHA
UNSTARRED QUESTION NO. 768
TO BE ANSWERED ON FRIDAY, 23RD JULY, 2021**

INCREASE IN SEA LEVEL

768. **SHRI HIBI EDEN:**

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government is aware of the studies which shows that the net sea level off the coast of Kochi will rise 87.5 mm over the next 50 years;
- (b) if so, the details thereof;
- (c) whether there has been an increase in the sea level in coastal districts of Kerala during the past decade and If so, the details thereof;
- (d) whether sea level rise has been categorized as a natural disaster by his Ministry and if so, the details thereof; and
- (e) the steps being taken to mitigate the sea level rise in coastal areas?

ANSWER

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)**

- (a)& (b) As per observational studies by Indian National Centre for Ocean Information Services (INCOIS) an autonomous institute under the Ministry on historical sea level rise based on long-term tide-gauge data installed at major ports of India and found that sea level is rising at different rates along the coast of India. Further, based on a published study, the net sea level rise off Kochi is estimated to be **1.81 mm/year** based on 1939-2007 tide-gauge records.
- (c) There is no study/information available regarding coastal district-wise sea level rise for Kerala during the past decade.
- (d) The Ministry has not categorized sea level rise as a natural disaster.
- (e) Information about coastal vulnerability index mapped at 1:100000 scale respectively has been made available on INCOIS website for better planning and disaster relief operations.
