

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 3926
TO BE ANSWERED ON WEDNESDAY, 22ND DECEMBER, 2021**

REHABILITATION OF PEOPLE DUE TO RISING SEA LEVEL

3926. SHRIMATI APARAJITA SARANGI

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government has formulated any plans to rehabilitate people from low-lying coastal areas who may be adversely impacted due to rising sea levels in the coming decade and if so, the details thereof;
- (b) whether any steps have been taken to mitigate rising sea levels and coastal erosion, and if so, the details thereof;
- (c) whether India has lost a portion of its original coastline due to rising sea levels and if so, the data for the same reflecting the change in the coastline from 1950 to 2021;
- (d) whether Odisha has lost a portion of its original coastline due to rising sea levels or coastal erosion;
- (e) if so, the data for the same reflecting the change in coastline as of 2021; and
- (f) whether the Government plans to offer assistance and rehabilitation to victims of climate change such as those displaced or forced to migrate and if so, the details thereof?

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

- (a) - (c) The Indian National Centre for Ocean Information Services (INCOIS), an autonomous Institute under MoES, has undertaken scientific studies to estimate the change in sea levels at 10 locations on the Indian coast. National Centre for Coastal Research (NCCR), Chennai an attached office of MoES is monitoring the shoreline erosion since 1990 using remote sensing data and GIS mapping techniques. 6,632 km long Indian coastline of mainland has been analyzed from 1990 to 2018. It is noted that about 32% of the coastline is under varying degree of erosion, 27% is of accreting nature and the remaining 41% is in a stable state. The observed changes may be induced by natural processes including Sea level rise and anthropogenic activities. 526 Maps have been prepared at 1:25000 scale covering the coast line to show the status of shoreline changes state wise and shared with the State governments for implementing shore line protection measures.
- (d) – (f) Yes Sir, the shoreline change studies undertaken by NCCR from 1990 to 2018 indicates that 26% of Odisha coast is subjected to erosion while 51% is under accretion and 23% of coastline is stable.
