

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION NO. 5899**  
TO BE ANSWERED ON 30.03.2026

**Sea Erosion in Vadakara, Kerala**

5899. SHRI SHAFI PARAMBIL:

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

- (a) Whether the Government is aware that the coastal areas of Vadakara in Kerala are severely affected by sea erosion during the monsoon season by endangering the lives and properties of fisherfolk;
- (b) if so, whether any scientific assessment has been conducted by the Central Water Commission, National Centre for Coastal Research (NCCR) or any other agency regarding the extent of coastal erosion in Vadakara;
- (c) whether the Government proposes to initiate steps for protection of the affected coastal stretches by constructing sea walls or adopting other coastal protection measures;
- (d) the details of funds allocated and released to Kerala for coastal protection works during the last five years; and
- (e) the timeline proposed for implementation of permanent erosion control measures in the affected areas?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(SHRI KIRTI VARDHAN SINGH)

(a) & (b): As per the shoreline change assessment by the National Centre for Coastal Research (NCCR) using remote sensing data (1990–2022), the long-term analysis shows relatively low erosion along the coastal stretch between Chombala and Payyoli, including Vadakara.

A study by the National Institute of Technology Calicut, as reported by the Government of Kerala, indicates localized erosion in certain stretches, including Sandbanks beach in Vadakara, with higher rates in specific transects. However, Vadakara is not identified as a continuous erosion hotspot and the overall coastal vulnerability is assessed as low.

(c) to (e): Coastal protection works are undertaken by the respective State Governments/UTs.

The Government of Kerala has submitted a Detailed Project Report (DPR) titled “Coastal and River Erosion Mitigation Project” to National Disaster Management Authority (NDMA) under the National Disaster Mitigation Fund (NDMF). The project envisages both structural and non-structural measures.

Further, following two externally aided projects were received by Central Water Commission (CWC):

- (i) Kerala Sustainable Coastal Protection and Climate Resilience Planning Project (ADB); and

(ii) Additional Financing for Resilient Kerala Program – Coastal Protection Project (Phase II) (World Bank).

Under the Flood Management and Border Areas Programme (FMBAP) of the Ministry of Jal Shakti, coastal protection schemes are also eligible for assistance. However, no proposal from Kerala for coastal erosion mitigation has been received under FMBAP during the last five years.

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