

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 517
ANSWERED 07/12/2023

COASTAL EROSION ALONG THE COUNTRY'S COASTS

517. SHRI JOSE K. MANI:

Will the Minister of **Earth Sciences** be pleased to state:

- (a) whether Government has data regarding the extent of coastal erosion along the country's coasts since Independence;
- (b) if so, the details thereof, State-wise;
- (c) whether Government has any plans to rehabilitate the communities which are on the verge of losing their land due to coastal erosion and rising sea levels;
- (d) if so, the details thereof; and
- (e) the initiatives taken by Government to prevent coastal erosion along the country's coasts?

ANSWER

THE MINISTER OF EARTH SCIENCES
(SHRI KIRAN RIJJU)

- (a) Ministry of Earth Sciences (MoES) through National Centre for Coastal Research (NCCR), has undertaken assessment of shoreline erosion and identified coastal areas subjected to sea erosion using remote sensing data for the period 1990-2018.
- (b) The State-wise shoreline changes of the country (1990-2018) are given below:

Sl. No.	State	Coast length (in Km.)*	Coast length (in Km.)						
			Erosion		Stable		Accretion		
			Km	%	Km	%	Km	%	
1.	West Coast	Gujarat	1945.6	537.5	27.6	1030.9	53.0	377.2	19.4
2.		Daman & Diu	31.83	11.02	34.6	17.09	53.7	3.72	11.7
3.		Maharashtra	739.57	188.26	25.5	477.69	64.6	73.62	10.0
4.		Goa	139.64	26.82	19.2	93.72	67.1	19.1	13.7
5.		Karnataka	313.02	74.34	23.7	156.78	50.1	81.9	26.2
6.		Kerala	592.96	275.33	46.4	182.64	30.8	134.99	22.8

7.	East Coast	Tamil Nadu	991.47	422.94	42.7	332.69	33.6	235.85	23.8
8.		Puducherry	41.66	23.42	56.2	13.82	33.2	4.42	10.6
9.		Andhra Pradesh	1027.58	294.89	28.7	223.36	21.7	509.33	49.6
10.		Odisha	549.5	140.72	25.6	128.77	23.4	280.02	51.0
11.		West Bengal	534.35	323.07	60.5	76.4	14.3	134.88	25.2
Total			6907.18	2318.31		2733.86		1855.03	
%				33.6		39.6		26.9	

(c) & (d) Yes Sir. The XVth Finance Commission has recommended that NDMA to develop suitable norms/policy to deal with the extensive displacement of people caused by coastal and river erosion. Plans to rehabilitate the communities which are on the verge of losing their land due to coastal erosion and rising sea levels are part of the policy.

(e) NCCR has successfully demonstrated innovative coastal erosion mitigation measures at Puducherry and Chellanam fishing village in Kerala. It has helped in restoration of lost beach at Puducherry and protection of coastal areas from flooding at Chellanam fishing village. NCCR has been providing scientific and technical support to coastal States in designing of coastal protection measures at vulnerable stretches and preparation of shoreline management plans.
