GOVERNMENT OF INDIA MINISTRY OF JAL SHAKTI, DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION LOK SABHA UNSTARRED QUESTION NO. 2815 ANSWERED ON 05.08.2021

RIVER EROSION

†2815. SHRI NABA KUMAR SARANIA

Will the Minister of JAL SHAKTI be pleased to state:

(a) whether rivers of many States are facing the erosion problem;

(b) if so, the name of the rivers facing erosion problem, State-wise;

(c) whether any efforts have been made by the Government to deal with this problem in Kokarajhar Constituency;

(d) the name of the regions along with the name of the rivers facing said problem in North Eastern States; and

(e) the name of the various rivers situated in various States of the country along with their length and area covered by them?

ANSWER

MINISTER OF STATE FOR JAL SHAKTI & FOOD PROCESSING INDUSTRIES

(SHRI PRAHLAD SINGH PATEL)

(a) to (c) Erosion, movement and deposition of sediment in a river are natural regulating functions of a river. Rivers tend to maintain a balance between the silt load carried & silt load deposited, maintaining a river regime. Soil erosion caused by heavy floods is a matter of concern as it leads to several associated problems like changes in river course, causing loss of land, etc.

Flood management including erosion control falls within the purview of the States. Flood management and anti-erosion schemes are formulated and implemented by concerned State Governments as per their priority. The Union Government supplements the efforts of the States by providing technical guidance and also promotional financial assistance for management of floods in critical areas. The Government of India has been making continuous efforts to assist the State Governments in effective flood management and erosion control. Morphological Studies by various IIT and NIIT have been carried out for major rivers like Ganga, Sharda, Rapti, Kosi, Bagmati, Subansari, Krishna, Mahanadi Mahanada, etc. The These Studies aid in finding the vulnerable spots for bank erosion/deposition, aggradations/ degradation etc. As per the morphological study of Brahmaputra River conducted by CWC through consultancy from IIT Guwahati, it has been estimated that in the Brahmaputra river a total erosion of 252.6 sq.km and deposition of 118.6 sq.km occurred during 2003-05 and 2008-11. During XI Plan Government of India had launched Flood Management Programme (FMP) for providing Central Assistance to States for works related to flood

management and erosion control which continued during XII Plan and thereafter, as a component of "Flood Management and Border Areas Programme" (FMBAP) for the period from 2017-18 to 2020-21. Central Assistance to the tune of Rs.1286.39 Crores has been provided to State of Assam up to March 2021 under FMP component of this Programme.

A list of anti-erosion projects taken up by the Water Resources Department of State Government of Assam during last three years in Kokrajhar is attached at **Annexure-I**.

(d) Data such as regions along with rivers facing erosion problems is not maintained centrally. Indian Space Research Organisation (ISRO) has identified river erosion in Assam in the catchment of Brahmaputra River near Golaghat, Marigaon, Dibrugarh, Dhubri, Sontipur and Dhemaji, erosion of Majuli Island is also observed. In Arunachal Pradesh, river erosion is identified in the catchment of Siang River near Kongkul and near Namsing.

(e) River basins are considered as the basic hydrological unit for water resources planning and management. The country is divided into 20 basins and mentioned in **Annexuure II.** These basins do not include the rivers of Lakshadweep, Andaman and Nicobar Islands and parts of Ladakh Region.

Annexure referred to part (a) to (c) of Lok Sabha Unstarred Question No. 2815 to be answered on 05.08.2021 regarding "River Erosion"

ANTI-EROSION SCHEMES TAKEN UP DURING 2018-19 BY THE WATER RESOURCES DEPARTMENT

1) Schemes under RIDF-XXIV

			(Rs. in Lakh)	
Sl.	Name of Division	Nome of scheme		
No		ivanie of scheme	cost	
1.	Kokrajhar	A/E measures to protect village Jor Simlaguri (Kalaigaon) from the erosion of river	100.00	
		Longa		
2.	Kokrajhar	A/E measures at Moisbathan against the erosion of Gangia river	100.00	
3.	Kokrajhar	A/E measures to protect village Balwantara, Saralpara from the erosion of River	100.00	
		Saralbanga on L/B		
4.	Kokrajhar	A/E measures to protect village Dotma Chariali and its adjoining areas from the erosion	160.00	
		of river Longa	100.00	

ANTI-EROSION SCHEMES TAKEN UP DURING 2019-20 BY WATER RESOURCES DEPARTMENT

1. Schemes under under NABARD (RIDF-XXV)

			(Rs. In Lakh)
SI.	Name of	Name of seheme	Estimated
No. Division		Ivanie of scheme	
1.	Kokrajhar	A/E measures to protect village Singimari from the erosion of river Garuphella on R/B	130.00

ANTI-EROSION SCHEMES TAKEN UP DURING 2020-21 BY WATER RESOURCES DEPARTMENT

1. UNDER SOPD-G FOR THE YEAR 2020-21

		1	(Rs. In Lakh)
Sl No	Name of Division	Name of Scheme	Estimated cost
1.	Kokrajhar	Protection of Kokrajhar Medical College and Hospital Campus at Besorgaon from the erosion of river Gaurang on its left bank (L/B)" under SOPD-G (for other schemes) for 2020-21.	4386.64

2. UNDER NABARD (RIDF-XXVI) THE YEAR 2020-21

(Rs. In Lakh)

Sl No	Name of Division	Name of Scheme	Estimated cost
1.	Kokrajhar	A/E measures to protect Koimari Adivasi village on L/B of river Guruphella	160.00
2.	Kokrajhar	A/E measures to protect the village Khejubari and its adjoining villages from the erosion of river Gongia.	100.00
3.	Kokrajhar	A/E measures to protect the village Toktokipara and its adjoining villages from the erosion of river Gongia.	100.00
4.	Kokrajhar	A/E measures to protect the village Luchutbil and its adjoining villages from the erosion of river Gangia.	100.00

Annexure referred to part (e) of Lok Sabha Unstarred Question No. 2815 to be answered on 05.08.2021 regarding "River Erosion".

River	Basins	in	India	
	Dusing	111	mulu	

S. No.	Basin	Catchment Area (Sq.Km)
1	Indus	317708
2	a. Ganga	838803
	b. Brahmputra	193252
	c. Barak & Others	86335
3	Godavari	312150
4	Krishna	259439
5	Kavery	85167
6	Subarnarekha	26804
7	Brahmani & Baitarni	53902
8	Mahanadi	144905
9	Pennar	54905
10	Mahi	39566
11	Sabarmati	31901
12	Narmada	96659.79
13	Тарі	65805.80
14	West Flowing Rivers From Tapi To Tadri	58360
15	West Flowing Rivers From Tadri To Kanyakumari	54231
16	East Flowing Rivers Between Mahanadi & Pennar	82073
17	East Flowing Rivers Between Pennar & Kanyakumari	101657
18	West Flowing Rivers Of Kutch and Saurashtra including Luni	192112
19	Area of Inland Drainage In Rajasthan	144835.90
20.	Minor River Draining Into Myanmar (Burma)& Bangladesh	31382
		3271953

Source: Central Water Commission