

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

LOK SABHA

UNSTARRED QUESTION NO. 568

ANSWERED ON 25.07.2024

FLOODS IN RIVERS

†568. SHRI DILIP SAIKIA

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) the steps being taken by the Government to control and check floods caused by rivers every year in the country during monsoon;
- (b) whether the Government has prepared any road map to check the perennial situation of recurring flood in the North-Eastern region of the country;
- (c) if so, the details thereof and if not, the reasons therefor;
- (d) whether a major portion of Assam and Manipur States are reeling under heavy flood situation thereby affecting lakhs of people; and
- (e) if so, the steps being taken by the Government to deal with the same?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) to (c) 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. Flood management measures are broadly categorized as structural measures and non-structural measures. Integrated flood approach aims at adopting judicious mix of structural and non-structural measures to provide a reasonable degree of protection against flood damages at economic cost.

To strengthen the structural measures of flood management, Union Government had implemented Flood Management Programme (FMP) during XI & XII Plans for providing central assistance to States for works related to flood control, anti-erosion, drainage development, anti-sea erosion, etc. which subsequently continued as a component of "Flood Management and Border Areas Programme" (FMBAP) for the period from 2017-18 to 2020-21 and was further extended up to 2026 with limited outlay. Total 427 projects under FMP component of FMBAP have been completed in various States which give protection to an area of around 5.04 Mha and protected a population of about 53.69 million.

Total central assistance amounting to Rs. 7106.47 crore has been released under FMP component to various states upto March 2024. Out of this central assistance amounting to Rs. 2260.50 crore has been

to North Eastern States including Sikkim. Total 208 Flood Management Projects have been completed in North eastern states including Sikkim so far.

Central Water Commission (CWC) is the nodal Organisation entrusted with the task of flood forecasting & early flood warnings in the country. Presently, CWC issues flood forecasts at 44 forecasting stations (6 Inflow Forecast Stations & 38 Level Forecast Stations) in North Eastern States including Sikkim. The network has been established in consultation with the State Governments and UTs. In order to provide more lead time to the local authorities to plan evacuation of people & take other remedial measures, CWC has developed basin wise flood forecasting model based on rainfall-runoff mathematical modelling for 7 days' advance advisory at its forecasting stations. Details of flood Forecasting stations in the Country **including North-Eastern States** is at **Annexure**.

Government of India also constituted Brahmaputra Board in 1980 by an Act of Parliament Brahmaputra Board Act, 1980 (No. 46 of 1980) with the objective of planning and integrated implementation of measures for control of floods and bank erosion in Brahmaputra Valley and matters connected therewith. Presently, it has Jurisdiction in all North Eastern States including Sikkim and a part of West Bengal falling in Brahmaputra Basin. 52 master plans have been prepared by Brahmaputra Board which have been shared to the concerned States for their implementation.

(d) & (e) Yes, Assam and Manipur have faced the flooding of varying degrees in different region of respective states.

Total 111 Flood Management and Anti Erosion Projects under Flood Management and Border Areas Programme (FMBAP) in Assam have been completed and one project is ongoing. Central share amounting to Rs. 1557.04 crore has been released to Assam. Total 22 Flood Management and Anti Erosion Projects under Flood Management and Border Areas Programme (FMBAP) in Manipur have been completed and one project is ongoing. Central share amounting to Rs. 281.71 crore has been released to Manipur.

CWC maintains a network of 116 hydro-meteorological stations in Assam and 2 stations in Manipur. CWC has also 30 numbers of flood forecasting stations in Assam.

ANNEXURE REFERRED TO IN REPLY TO PART (a) to (c) OF UNSTARRED QUESTION NO. 568 TO BE ANSWERED IN LOK SABHA ON 25.07.2024 REGARDING “FLOODS IN RIVERS”.

Flood forecasting sites in India and North-Eastern States

State-wise Flood Forecasting Stations				
S.No.	Name of State/UT	Number of flood forecasting stations		
		Level	Inflow	Total
1	Arunachal Pradesh	3	1	4
2	Assam	30	0	30
3	Sikkim	3	5	8
4	Tripura	2	0	2
5	Andhra Pradesh	10	10	20
6	Bihar	40	3	43
7	Chhattisgarh	1	2	3
8	Gujarat	6	8	14
9	Haryana	1	1	2
10	Himachal Pradesh	1	0	1
11	Jammu & Kashmir	3	0	3
12	Jharkhand	2	15	17
13	Karnataka	1	14	15
14	Kerala	4	2	6
15	Madhya Pradesh	2	12	14
16	Maharashtra	8	14	22
17	Odisha	12	7	19
18	Rajasthan	4	11	15
19	Tamil Nadu	4	11	15
20	Telangana	5	10	15
21	Uttar Pradesh	39	5	44
22	Uttarakhand	4	5	9
23	West Bengal	12	4	16
24	Daman & Diu	1	0	1
25	NCT of Delhi	2	0	2
	Total	200	140	340
