

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
RAJYA SABHA
UNSTARRED QUESTION NO. 887
ANSWERED ON 06.12.2021

ECONOMIC LOSS DUE TO FLOOD IN ASSAM

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Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether Government is aware that Assam faces heavy flooding every year;
- (b) whether it is a fact that the economic loss from flooding has increased year on year;
- (c) what steps Government has taken under the Flood Management Border Areas Programme (FMBAP) to reduce the damage of flood in Assam;
- (d) the details of the work done in Assam under the FMBAP; and
- (e) the details of the amount of funds sanctioned and utilized in the country under the FMBAP State-wise?

ANSWER

MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) & (b) Floods are natural calamity that the country faces almost every year, in varying degrees of magnitude. The occurrence of floods can be attributed to various factors, including wide variations in rainfall both in time and space with frequent departures from the normal pattern, inadequate carrying capacities of rivers, river bank erosion and silting of river beds, landslides, poor natural drainage in flood prone areas, snowmelt and glacial lake out-bursts. Central Water Commission compiles flood damage data on the basis of information received from States. As per the data of last 20 years, no trend is perceived in the economic loss because of floods in the State of Assam. Maximum loss occurred in economic term was Rs 4164.81 Cr in year 2017. Statement showing flood damages during last twenty years in State of Assam is given at **Annexure-I**.

(c) to (e) Flood management comes under the purview of the States; the schemes for flood control and erosion control are formulated and implemented by concerned States as per their priority. The Union Government supplements the efforts of the States by providing technical guidance and promotional financial assistance for management of floods in critical areas. 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 anti-erosion control, etc. with an outlay of Rs 8,000 Cr and was

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continued during XII Plan with an outlay of Rs 10,000 Cr. Financial assistance was also provided to the States/UTs for undertaking flood management works project under the scheme “River Management Activities and Works related to Border Areas” during XII Plan. The “Flood Management Programme (FMP)” and “River Management Activities & Works related to Border Areas (RMBA)” under operation during XII Five Year Plan by Ministry of Water Resources, River Development and Ganga Rejuvenation were merged as “Flood Management and Border Areas Programme (FMBAP)” for the period 2017-18 to 2019-20 and further extended upto March, 2021.

In Assam, a total 141 projects costing Rs 2383.11 Cr were approved during XI Plan and XII Plan. A Central Assistance of Rs 748.86 Cr was released during XI Plan and Rs. 64.89 Cr during XII Plan. Further, a Central Assistance of Rs 245.49 Cr was released to Assam during year 2017-18, Rs 142.12 cr. in the year 2018-19 and Rs 85.03 Cr in the year 2019-20. Thus, since start of XI Plan, total Central Assistance released to the state of Assam is Rs 1286.39 Cr. Out of these 141 projects, 105 projects are completed which has given reasonable protection to an area of 6.7 Lakh ha and protected a population of 160.63 lakh.

The state-wise details of central assistance released under Flood Management Programme is given at **Annexure II**.

ANNEXURE I

Annexure referred to Part (a) & (b) of Lok Sabha Unstarred Question No. 887 to be answered on 06.12.2021 regarding “Economic loss due to flood in Assam”

Flood Damage data in Assam during 2000-2020

Year	Area affected m.ha	Population Affected in million	Damage to Crops		Damage to Houses		Cattle lost nos.	Human lives lost nos.	Damage to public utilities in Rs. Crore	Total damages crops, houses & public utilities in Rs. Crore (Col.5+7+10)
			Area m.ha	Value in Rs. Crore	Nos.	Value in Rs. Crore				
1	2	3	4	5	6	7	8	9	10	11
2000	0.966	3.888	0.32	173.51	55014	16.48	19988	36	54.063	244.064
2001	0.203	0.543	0.03	8.358	14680	2.595	15	4	0.196	11.149
2002	1.187	7.551	0.29	145.60	96705	41.18	4294	65	566.243	753.030
2003	0.932	5.652	0.93	147.00	74638	18.69	4319	52	181.402	347.094
2004	2.364	12.63	0.52	37.470	663168	2.190	118772	497	17.685	57.345
2005	0.222	1.025	9.84	23.470	10789	9.344	15	29	0.068	32.882
2006	0.058	0.555	0.01	1.110	7346	1.630	28	7	0.240	2.980
2007	1.504	10.86	0.67	NR	15846	NR	NR	134	NR	NR
2008	0.416	2.906	0.31	3.290	56550	0.029	8002	40	0.233	3.552
2009	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2010	0.000	2.546	1.47	36.788	54502	10.99	3754	17	19.783	67.567
2011	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2012	0.935	2.914	0.32	NR	NR	NR	6249	144	3200.31	3200.310
2013	0.001	0.006	0.00	NR	NR	NR	NR	NR	13.843	13.843
2014	0.002	0.003	0.00	NR	NR	NR	NR	NR	2.393	2.393
2015	0.002	0.018	0.02	NR	16	NR	NR	NR	3.318	3.318
2016	NR	0.003	0.00	NR	NR	NR	NR	36	17.890	17.890
2017	0.280	5.602	0.20	178.69	111070	90.94	2763	160	3895.18	4164.810
2018	0.043	1.322	0.03	23.490	102737	84.01	122	53	2373.48	2480.980
2019	0.233	7.355	0.23	167.47	117831	151.4	281	103	2803.11	3121.980
2020	0.188	5.789	0.18	145.87	8122	93.36	702	150	2201.50	2440.730
NR- Not Reported										

ANNEXURE REFERRED TO PARTS (c) to (e) OF LOK SABHA UNSTARRED QUESTION NO. 887 TO BE ANSWERED ON 06.12.2021 REGARDING “ECONOMIC LOSS DUE TO FLOOD IN ASSAM”**State-wise funds released under FMP Component up to 2020-21****(Rs. In crores)**

Sl. No.	State	Total funds released under FMP
1	Arunachal Pradesh	190.78
2	Assam	1286.39
3	Bihar	924.41
4	Chhattisgarh	19.32
5	Goa	11.98
6	Gujarat	2.00
7	Haryana	46.91
8	Himachal Pradesh	826.22
9	Jammu & Kashmir	688.00
10	Jharkhand	22.71
11	Karnataka	23.80
12	Kerala	137.95
13	Manipur	90.70
14	Meghalaya	3.81
15	Mizoram	16.89
16	Nagaland	93.96
17	Odisha	116.91
18	Puducherry	7.50
19	Punjab	40.43
20	Sikkim	91.84
21	Tamilnadu	59.82
22	Tripura	23.62
23	Uttar Pradesh	470.18
24	Uttarakhand	243.82
25	West Bengal	1007.81
	Total	6447.76
