

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA
REJUVENATION
RAJYA SABHA

UNSTARRED QUESTION NO. 2482

ANSWERED ON 08.08.2022

PROJECTS FOR FLOOD PREVENTION

2482 SHRI ABIR RANJAN BISWAS

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether it is a fact that West Bengal submitted multiple projects for flood prevention measures related to some prominent rivers of North Bengal, but no funds are approved yet, if so, the details thereof;
- (b) the details of the number of proposals and approval of funds for projects of flood prevention measures across the State since 2016, year-wise;
- (c) the details of initiatives taken by Government for flood prevention across the State since 2017; and
- (d) the details of yearly flood occurrence, State-wise and year-wise since 2016?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI
(SHRI BISHWESWAR TUDU)

(a) to (c) Flood management, including flood control to prevent detrimental effects of flood, by way of provision of drainage and embankments, falls within the purview of the States. Flood management 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. 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. As per the provisions of the FMBAP approved during the period 2017-18 to 2020-21, only the prioritized projects included earlier in the scheme during the XI & XII Plan period were given central assistance and no new projects were considered for funding. FMBAP has been further approved for implementation up to September 2022.

18 projects of flood management/anti-erosion from the State of West Bengal were included during XI & XII Plan for central assistance under FMP component of FMBAP of Ministry of Jal Shakti. These projects have been given central assistance amounting to the tune of Rs. 1,051.96 crore. The 16 completed projects have given protection to an area of around 0.937 lakh ha and protected a population of about 2.35 million. The central assistance released to projects under FMP component of FMBAP since the year 2016-17 is as under-

Rs. in crore

S. No.	Project Name	Upto March,2016	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	Total
1	Reconstruction, remodeling and improvement of embankments in Sunderban and adjoining areas in the districts of North and south 24 Parganas, damaged by severe cyclone, "AILA". (WB-16) in Districts of North and south 24 Parganas	525.75	-	-	23.65	117.12	-	-	666.52
2	Drainage Scheme for Kaliaghari-Kapaleshwari-Baghari Basin in district Madinipur (WB). (WB-17)	162.19	-	8.09	-	-	-	-	170.28
3	Improvement of embankment and ancillary works in Kandi and other adjoining areas of district of Murshidabad. (WB-18)	12.38	12.61	56.94	-	-	-	44.15	126.08

For Non structural measures, 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 for 332 forecasting stations (199 river level forecast stations & 133 dam/barrage inflow forecast stations). These stations cover 20 major river basins in 23 States and 2 Union Territories. In order to provide more lead time to the local authorities to plan evacuation of people and take other remedial measures, CWC has developed basin wise flood forecasting model based on rainfall-runoff mathematical modelling for 5 days advance flood forecast advisory at identified flood forecasting and inflow forecasting stations. CWC has 16 flood forecasting stations (12 level forecasting stations and 4 inflow forecasting stations) and 80 gauge stations in the State of West Bengal. During flood season 2021 ending 31st December 2021, 488 forecasts have been issued for West Bengal.

(d) Details of yearly flood occurrence, State-wise, since 2016 as observed by CWC are given below:

State	Year	Basin
Assam	2018, 2019, 2020	Brahmaputra and its tributaries
Bihar	2016, 2017, 2019, 2020, 2021	Ganga, Gandak, Kosi Mahananda, Kamalabalan,
Chattisgarh	2020	Mahanadi
Karnataka	2018, 2019, 2020, 2021	Cauvery and its tributaries
Kerala	2018, 2019, 2021	West Flowing Rivers between Tadri & Kanyakumari
Madhya Pradesh	2019, 2020 & 2021	Chambal, Narmada and their tributaries
Maharashtra	2019, 2020 & 2021	West Flowing Rivers between Tadri & Kanyakumari, Godavari, Krishna and their tributaries
Odisha	2020 & 2021	Mahanadi, Subarnarekha
Rajasthan	2019 & 2021	Chambal and its tributaries
Tamilnadu	2018, 2019 , 2020, 2021	East flowing rivers between Pennar & Cauvery, East flowing rivers between Cauvery & Kanyakumari, Cauvery and its tributaries
Telangana	2020, 2021	Krishna, Penganga
Andhra Pradesh	2020 & 2021	East flowing rivers between Pennar & Cauvery, Pennar
Tripura	2018	Barak and its tributaries
Uttar Pradesh	2016, 2017, 2019, 2020, 2021	Ganga and its tributaries
Uttarakhand	2021	Sharda
West Bengal	2017, 2021	Hoogly, Teesta
