

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

LOK SABHA

UNSTARRED QUESTION NO. 6365

ANSWERED ON 02.04.2026

FLOOD MANAGEMENT PROGRAMME AND FLOOD FORECASTING INITIATIVES

6365. Ms KANGNA RANAUT:

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

- (a) the outcomes of the Flood Management Programme and Flood Forecasting Initiatives at the national level during the last five years;
- (b) the details of the flood protection, erosion control and forecasting infrastructure created in Himachal Pradesh, river-specific, district-wise; and
- (c) the steps taken to strengthen early warning systems and disaster preparedness in flood and landslide-prone hill regions?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) to (c) 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 through a centrally Sponsored Scheme 'Flood Management and Border Areas Programme (FMBAP)'. Total central assistance amounting to Rs. 8725.16 crore has been released under FMBAP Scheme to various states upto March 2025 which includes Rs. 862.74 Crore for Himachal Pradesh. During last 5 years (2021-26), total central assistance released under FMBAP is Rs. 1566.93 Crore, which includes Rs. 49.04 Crore for Himachal Pradesh.

Total 431 flood management projects under Flood Management Programme (FMP) component of FMBAP have been completed in various States which gave protection from flood to an area of around 5.13 Mha and protected a population of about 54.84 million from flood. In Himachal Pradesh six flood management projects have been completed with central assistance under FMBAP, details of which is given at **Annexure**.

Central Water Commission (CWC) maintains a network of 350 Flood Forecasting Stations (150 Inflow Forecast Stations + 200 Level Forecast Stations) through out the country in consultation with State Govt./ Project Authorities. During last 5 years, 22 nos. of Flood Forecasting stations has been opened in the country. Himachal Pradesh has 26 nos. of Hydrological Stations and one level flood forecasting station at Paonta Sahib on river Yamuna in District Sirmour. CWC has developed basin wise flood forecasting model based on rainfall-runoff mathematical modelling for 7 days advance flood forecast advisory for all the forecasting stations in addition to the short-range flood forecasts with a lead time up to 24 hours.

National Disaster Management Authority (NDMA) has implemented "Common Alerting Protocol (CAP)" based integrated alert system for dissemination of alerts pertaining to various disasters including flood and land slide. NDMA has also implemented National Landslide Risk Mitigation Programme (NLRMP) envisaging deployment of sensor-based systems, real-time hazard assessment, and effective dissemination of alerts through integrated communication platforms across 15 landslide prone States including Himachal Pradesh.

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (a) TO (c) OF UNSTARRED QUESTION NO. 6365 TO BE ANSWERED IN LOK SABHA ON 02.04.2026 REGARDING FLOOD MANAGEMENT PROGRAMME AND FLOOD FORECASTING INITIATIVES**

No. of flood management projects completed in Himachal Pradesh with central assistance under FMBAP since XI plan

S. No.	Name of Project	District	River	Benefitted area (Hectare)	Benefitted population
1	Channelisation of Bata River from RD 10230 to RD 19700 meter in Tehsil Poanta	Sirmour	Bata	1537.81	17000
2	Swan River Flood Management & Integrated Land Development Project (Phase-II)	Una	Swan	5000	9000
3	Flood protection works to Soan Khad from Sayathi Awal to Kaiswai Dharampur in Tehsil Sarkaghat	Mandi	Beas	56.00	1030
4	Providing Stabilization of Seer Khad & Flood control works from Jahoo to Bum in Tehsil Ghumarwin	Bilaspur	Seer khand	120.00	5370
5	Channelisation of tributaries of Bata River Phase-I (Sunker) in Tehsil-Paonta Sahib	Sirmour	Bata	584.60	7460
6	Swan river flood management project from Daulatpur to Gargel Bridge in main Swan River & all tributaries joining main Swan River from Daulatpur to Santokhgarj Bridge	Una	Swan	7163.49	235834
