

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. †460
ANSWERED ON 19.07.2018

FLOOD CONTROL MEASURES

†460. SHRI AJAY MISRA TENI
SHRI BHARAT SINGH

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) the flood control measures taken/ to be taken by the Government keeping in view the loss of life and property caused due to increasing incidents of floods and land slides in the country; and
- (b) the extent to which these measures have been/are likely to be effective in having a check on the loss of life and property caused due to the floods and land slides in each State of the country?

ANSWER

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION & PARLIAMENTARY AFFAIRS

(SHRI ARJUN RAM MEGHWAL)

(a) & (b) As per constitutional provisions, the subject of Flood Management including erosion control falls within the purview of the States. The flood management & anti-erosion schemes are planned, investigated and implemented by the State Governments with own resources as per priority within the State. The Union Government renders technical guidance and promotional financial assistance to States. Government of India launched a Flood Management Programme (FMP) during XI Plan for providing central assistance to the State Governments for taking up works related to river management, flood control, anti-erosion, drainage development, flood proofing works, restoration of damaged flood management works and anti-sea erosion works. The FMP was continued during XII Plan.

Under this Programme, a central assistance of Rs.5435.74 crore has been provided till date to the various States. The works during XI & XII Plan have provided reasonable degree of protection against floods in 34.66 lakh ha of flood affected area and benefitted 265.79 lakh people. The details are at **Annexure-I**.

In addition to that, Flood Forecasting, which is an efficient non-structural measure of flood management, is being carried out by CWC on inter-state rivers covering 22 States/ Union Territories & National Capital Territory of Delhi through a network of 226 flood forecasting stations. State-wise distribution of flood forecasting stations of CWC is provided at **Annexure-II**.

Land slides due to flood occur in specific cases. Geological Survey of India (GSI) is maintaining inventory of landslides activities covering all hill States of India. After Uttarakhand disaster of 2013, GSI has taken up landslide inventory mapping and submitted concerned reports to the Government of Uttarakhand and NDMA. These reports are pertaining to only inventory of such landslides caused due to river erosion at the time of flooding and affected terrace slopes.

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. † 460 TO BE ANSWERED IN LOK SABHA ON 19.07.2018 REGARDING “FLOOD CONTROL MEASURES”

Area protected and population benefitted during XI & XII Plan

Sl. No.	State	XI Plan		XII Plan		Total (XI & XII Plan)	
		Area protected	Population benefitted in Lakh	Area* protected	Population* benefitted in Lakh	Area protected	Population benefitted in Lakh
		in lakh ha		in lakh ha		in lakh ha	
1	Arunachal Pradesh	0.566	0.697	--	-	0.566	0.697
2	Assam	4.871	97.848	1.5155	22.9600	27.8310	120.808
3	Bihar	10.522	70.92	13.3304	42.2466	52.7686	113.166
4	Goa	0.002	0.15	-	-	0.002	0.15
5	Gujarat	-	-	0.00008	0.33	0.33	0.33
6	Himachal	-	-	0.05	0.9	0.9	0.9
7	Jharkhand	-	-	0.162	1.85	1.85	1.85
8	J&K	0.9	-	-	-	0.9	0
9	Manipur	0.28	1.582	-	-	0.28	1.582
10	Nagaland	0.004	0.6	-	-	0.004	0.6
11	Orissa	1.556	7.202	-	-	1.556	7.202
12	Sikkim	0.201	2.397	-	-	0.201	2.397
13	Uttar Pradesh	0.538	4.005	-	-	0.538	4.005
14	Uttarakhand	0.001	0.053	0.0044	0.202	0.20322	0.255
15	West Bengal	0.15	11.81	-	-	0.15	11.81
16	Tripura	0.002	0.013	0.0079	0.027	0.029	0.04
	Total	19.593	197.277	15.0704	68.5159	34.6634	265.7928

*Tentative Figures. Compiled from available information and inputs from States

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State-wise Existing Flood Forecasting Stations of CWC as on January 2018

Sr. No.	Name of State/UT	Number of flood forecasting Stations		
		Level	Inflow	Total
1	Andhra Pradesh	7	7	14
2	Arunachal Pradesh	2	0	2
3	Assam	29	0	29
4	Bihar	34	0	34
5	Chhatisgarh	1	0	1
6	Gujarat	6	6	12
7	Haryana	0	1	1
8	Jammu & Kashmir	3	0	3
9	Jharkhand	2	5	7
10	Karnataka	1	9	10
11	Madhya Pradesh	2	2	4
12	Maharashtra	7	3	10
13	Odisha	11	2	13
14	Rajasthan	0	3	3
15	Tamil Nadu	0	10	10
16	Telangana	4	6	10
17	Tripura	2	0	2
18	Uttar Pradesh	38	2	40
19	Uttarakhand	3	1	4
20	West Bengal	11	3	14
21	Dadra & Nagar haveli	1	0	1
22	NCT of Delhi	2	0	2
	Total	166	60	226