

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1667**  
ANSWERED ON 20.12.2018

**FLOOD PRONE AREAS**

1667. SHRI SIRAJUDDIN AJMAL

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

- (a) whether the Government has conducted or is proposing to conduct survey on flood prone areas across the country;
- (b) if so, the details thereof and the districts identified as flood-prone in the country including Assam, State/UT-wise; and
- (c) the steps taken by the Government for development of such areas?

**ANSWER**

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

(SHRI ARJUN RAM MEGHWAL)

(a) & (b) The Rashtriya Barh Ayog (RBA) estimated the total area liable to floods in the country as 40 Million Hectare (mha). The extent of maximum area affected by floods in any year during 1953-2010 as per the Working Group on Flood Management and Region Specific Issues for XII Plan is 49.815 mha, the State-wise break up of which is given at **Annexure-I**.

In 2006, a Committee, headed by Chairman, Ganga Flood Control Commission (GFCC), Patna, identified 39 districts in India as flood prone, out of which 9 districts were identified as flood prone in Assam. The name of the districts identified as flood-prone in the country by the said Committee is at **Annexure-II**.

For scientific assessment of flood prone areas in India, Ministry has constituted an Expert Committee under Chairman, Central Water Commission (CWC), New Delhi. The Expert Committee has constituted Regional Committees for each States/UTs with Principal Secretaries of Water Resources Department as its Chairman and Regional Chief Engineer/Director of CWC as its Member-Secretary. The mandate of the Regional Committees is to identify, demarcate and classify the flood prone areas in their respective State/UT based on the methodology, classification and criteria finalized by the Expert Committee.

(c) 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 their own resources as per priority within the State. The Union Government supplements the efforts of the States by way of technical guidance and promotional financial assistance to the States in critical areas.

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 which was continued.

A total of 522 projects costing Rs.13238.36 crore were approved and included under FMP. During XI Plan, 420 projects with an estimated cost of Rs.7857.08 crore were approved while during XII Plan, 102 projects with an estimated cost of Rs.5381.28 crore were approved. Since start of XI Plan, total Central Assistance released to States under FMP up till March, 2018 is Rs.5435.74 crore.

Flood Management Programme (FMP) and River Management Activities & Works related to Border Areas (RMBA) schemes continuing during XII Five Year Plan, have been merged into single scheme "Flood Management and Border Areas Programme" (FMBAP) for the three year period from 2017-18 to 2019-20.

Flood forecasting and warning system has been planned as a non-structural measure, as advance knowledge of incoming floods plays an important role in reducing flood damage as also better planning of rescue/ relief operations. The inflow forecast helps in optimum regulation of reservoirs. Central Water Commission at present is issuing flood forecast for 249 flood forecasting stations, of which 174 are level forecasting and 75 are inflow forecasting stations on major dams/barrages. It covers all major river systems in the country covering 22 States and one Union Territory-Daman & Diu and the National Capital Territory of Delhi.

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**ANNEXURE-I****ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 1667 TO BE ANSWERED IN LOK SABHA ON 20.12.2018 REGARDING “FLOOD PRONE AREAS”****State -wise Maximum Area Affected by Floods in any year during 1953-2010**

<b>S. No.</b>	<b>State</b>	<b>Max. Area affected (million ha)</b>
1	Andhra Pradesh	9.040
2	Arunachal Pradesh	0.207
3	Assam	3.820
4	Bihar	4.986
5	Chhattisgarh	0.089
6	Delhi	0.458
7	Goa	0.000
8	Gujarat	2.050
9	Haryana	1.000
10	Himachal Pradesh	2.870
11	Jammu & Kashmir	0.514
12	Jharkhand	0.000
13	Karnataka	0.900
14	Kerala	1.470
15	Madhya Pradesh	0.377
16	Maharashtra	0.391
17	Manipur	0.080
18	Meghalaya	0.095
19	Mizoram	0.541
20	Nagaland	0.009
21	Orissa	1.400
22	Punjab	2.790
23	Rajasthan	3.260
24	Sikkim	1.170
25	Tamil Nadu	1.466
26	Tripura	0.330
27	U.P.	7.340
28	Uttarakhand	0.002
29	West Bengal	3.080
30	Andaman&Nicobar	0.030
31	Chandigarh	-
32	Dadra & Nagar Haveli	-
33	Daman & Diu	-
34	Lakshadweep	-
35	Puducherry	0.050
	<b>Total</b>	<b>49.815</b>

**ANNEXURE-II****ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 1667 TO BE ANSWERED IN LOK SABHA ON 20.12.2018 REGARDING “FLOOD PRONE AREAS”**

Name of the Districts identified as flood-prone in the country by the Committee headed by Chairman, GFCC, Patna

<b>S.No.</b>	<b>Name of District</b>	<b>Percentage area flooded</b>	<b>State/UT</b>
1	Dhubri	51.47	Assam
2	Sheohar	45.40	Bihar
3	Sitamarhi	39.63	Bihar
4	Darbhanga	38.69	Bihar
5	Jajpur	37.32	Orissa
6	Gopalganj	36.49	Bihar
7	Saharsha	35.38	Bihar
8	Lakhimpur	35.04	Assam
9	Jagatsinghpur	31.70	Orissa
10	Muzaffarpur	30.61	Bihar
11	Kendrapara	28.86	Orissa
12	Morigaon	27.69	Assam
13	Dhemaji	26.77	Assam
14	Barpeta	25.04	Assam
15	Bhadrak	23.83	Orissa
16	Jorhat	23.76	Assam
17	Supaul	22.61	Bihar
18	Puri	22.01	Orissa
19	Mirzapur	20.77	Uttar Pradesh
20	Sidharthnagar	20.72	Uttar Pradesh
21	Madhubani	20.53	Bihar
22	Murshidabad	19.92	West Bengal
23	Katihar	19.88	Bihar
24	Gorakhpur	19.71	Uttar Pradesh
25	Samastipur	19.66	Bihar
26	Cuttak	19.55	Orissa
27	Basti	17.97	Uttar Pradesh
28	Bhagalpur	17.77	Bihar
29	Goalpara	17.71	Assam
30	Nadia	17.6	West Bengal
31	Vaishali	17.53	Bihar
32	Sibsagar	17.22	Assam
33	East Champaran	16.94	Bihar
34	Farukhbad	16.50	Uttar Pradesh
35	Purnea	15.69	Bihar
36	Bairbum	15.55	West Bengal
37	Araria	15.51	Bihar
38	Ballia	15.23	Uttar Pradesh
39	Nalbari	15.13	Assam