

**GOVERNMENT OF INDIA  
WATER RESOURCES  
LOK SABHA**

UNSTARRED QUESTION NO:970  
ANSWERED ON:01.03.2000  
FLOOD CONTROL  
ARUN KUMAR;NAWAL KISHORE RAI

**Will the Minister of WATER RESOURCES be pleased to state:**

- (a) whether a large area of the country is affected by the floods and heavy rains every year;
- (b) if so, the details thereof, State-wise;
- (c) whether the Government propose to formulate any scheme to identify these rivers causing devastating floods and excessive soil erosion in order to utilise excess water being wasted by flow of these rivers; and
- (d) if so, the details thereof and the estimated expenditure is likely to be incurred in its implementation ?

**Answer**

MINISTER OF STATE FOR WATER RESOURCES (SMT. BJOYA CHAKRAVARTY)

(a)&(b) Yes, Sir. A large area of the country specially the areas lying in Ganga and Brahmaputra basins are affected by the floods and heavy rain every year. Uttar Pradesh, Bihar and West Bengal are the predominant flood affected states in Ganga basin and Assam and West Bengal in Brahmaputra basin. The details of statewise area affected in past ten years are given in Annex.

(c)&(d) The rivers causing devastating floods and excessive soil erosion can be controlled to some extent after storage reservoirs are constructed in upper reaches of these rivers. Investigations for large reservoirs in Brahmaputra have been taken up. Similarly Union Government has also taken up joint investigation with Nepal for storage dams.

STATEWISE TOTAL AREA AFFECTED DUE TO FLOODS / HEAVY RAINS FOR THE LAST TEN YEARS(1990-1999)

S.NO	STATE	(Million Hectare)										AVERAGE
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
1	ANDHRA PRADESH	0.000	0.022	0.344	0.000	0.000	0.000	1.128	0.183	1.675	0.000	0.335
2	ARUNACHAL PRADESH	0.000	0.000	0.119	0.070	0.000	0.004	0.007	0.000	0.000	0.000	0.020
3	ASSAM	0.488	1.000	0.231	1.249	0.053	1.309	0.571	0.753	1.324	0.293	0.727
4	BIHAR	0.870	0.980	0.076	0.415	0.601	0.926	1.189	1.471	2.512	0.740	0.978
5	GOA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	GUJARAT	0.484	0.188	0.000	0.000	0.000	0.000	1.822	0.000	0.000	0.000	0.249
7	HARYANA	0.086	0.001	0.000	0.000	0.032	0.801	0.068	0.010	0.000	0.000	0.100
8	HIMACHAL PRADESH	0.000	0.000	0.000	0.375	0.000	0.345	0.299	0.254	0.235	0.000	0.151
9	JAMMU & KASHMIR	0.000	0.000	0.248	0.000	0.000	0.075	0.000	0.017	0.000	0.000	0.034
10	KARNATAKA	0.000	0.276	0.000	0.298	0.128	0.005	0.069	0.019	0.000	0.000	0.080
11	KERALA	0.000	1.279	0.441	0.076	0.233	0.008	0.055	0.000	0.190	0.000	0.228
12	MADHAYA PRADESH	0.041	0.010	0.000	0.000	0.377	0.000	0.000	0.022	0.000	0.000	0.045
13	MAHARASHTRA	0.270	0.001	0.045	0.017	0.062	0.003	0.000	0.000	0.005	0.000	0.040
14	MANIPUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	MEGHALAYA	0.000	0.003	0.000	0.008	0.000	0.011	0.000	0.000	0.000	0.000	0.002
16	MIZORAM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000
17	NAGALAND	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.001
18	ORISSA	0.780	1.095	0.062	0.000	0.000	0.000	0.000	0.775	0.000	0.000	0.271
19	PUNJAB	0.004	0.000	0.024	0.788	0.000	0.253	0.000	0.000	0.000	0.000	0.107
20	RAJASTHAN	1.799	0.000	0.000	0.000	0.267	0.591	1.088	0.000	0.159	0.000	0.390
21	SIKKIM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	TAMILNADU	0.000	0.000	0.240	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024
23	TRIPURA	0.000	0.000	0.000	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.005
24	UTTAR PRADESH	2.208	0.811	0.696	1.444	0.985	1.279	1.124	0.349	2.523	0.053	1.147
25	WEST BENGAL	2.268	0.679	0.118	0.458	0.000	0.443	0.000	0.000	0.000	0.000	0.397
26	A & N ISLAND	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	CHANDIGARH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	DADRA & NAGAR HAVELI	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	DAMAN & DIU	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	DELHI	0.000	0.000	0.000	0.000	0.000	0.058	0.000	0.000	0.000	0.000	0.006
31	LAKSHADWEEP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32	PONDICHERY	0.000	0.012	0.001	0.008	0.014	0.000	0.000	0.000	0.000	0.000	0.004
	INDIA	9.298	6.357	2.645	5.268	2.752	6.111	7.420	3.855	8.623	1.086	5.342

Note :

(i) ` 0 ` Indicates that figures under verification

(ii) Figures from 1993 to 1999 are tentative

