

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

STARRED QUESTION NO:145
ANSWERED ON:02.08.2000
LOSS CAUSED BY FLOOD
BRIJLAL KHABRI;CHINMAYANAND

Will the Minister of AGRICULTURE be pleased to state:

- (a) the details of loss of lives and property due to floods during the last three years, State-wise and year-wise.
(b) the details of the amount allocated for this purpose for the year 2000-2001; and
(c) the impact of various schemes for flood control implemented so far?

Answer

MINISTER OF AGRICULTURE (SHRI NITISH KUMAR)

(a) to (c): A Statement is laid on the Table of the Sabha.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF STARRED QUESTION NO.145 TO BE ANSWERED ON 2N AUGUST, 2000 IN THE LOK SABHA.

(a): State-wise details of loss of life and damage to property during 1997 to 1999, as reported by the Central Water Commission, are at Annexure-I.

(b): State-wise details of outlay for 2000-01 for flood control, as reported by Central Water Commission, are at Annexure-II.

(c): Flood protection measures like construction of embankments were meant to control damage due to recurrent floods and also for protection to the command areas of the canal systems in northern India and the deltaic tracts of rivers flowing eastwards in Orissa, Andhra Pradesh and Tamil Nadu. Construction of dams has been undertaken with a view to control floods. Construction of barrages has helped moderate the intensity of floods in the lower valleys. Storage reservoirs have either protected areas from floods or reduced their intensity considerably. A number of drainage schemes undertaken have resulted in positive developments towards improving drainage congestion and reducing floods. Similarly, a number of schemes for channel improvements, raising of villages, anti erosion and town protection works have been taken up to provide protection from floods.

ANNEXURE-I

STATEMENT SHOWING DAMAGE DUE TO FLOODS/HEAVY RAINS DURING 1997

Sl. No.	State	Area Affected In m.ha. Million	Population In Million	Damage to Crops Lost Live To public Crops, Nos. In Utilities in Rs. Crores	Damage to Houses Utilities in Rs. Crores	Cattle	Human	Damage	Total Damages
\$1	ANDHRA PRADESH	0.184	5.098	0.184	128.85	14990	NR	137 58 249.730	378.580
2	ARUNACHAL PRADESH	Neg	0.014	NR NR	NR NR	NR 8	NR NR		
3	ASSAM	0.753	2.751	0.103	19.456	18104	9.985	1961 28 6.920	36.361
4	BIHAR	1.471	6.965	0.655	57.377	174379	30.567	151 163 20.381	108.325
\$5	GUJARAT	NR	2.118	NR NR	32877	10.984	795 55	NR 10.984	
\$6	HARYANA	0.010	NR	0.002	6.000	1024	0.150	2 3 NR 6.150	
7	HIMACHAL PRADESH	0.254	2.855	0.254	173.21	13943	81.460	4809 229 235.800	490.470
\$8	JAMMU & KASHMIR	0.017	NR	NR NR	22560	NR	17671	80 103.187	103.187
\$9	KARNATAKA	0.019	NR	0.019	6.053	6333	1.839	120 92 43.672	51.564
10	KERALA	0.385	0.95	0.09	243	16109	6.928	183 149 1015.319	1265.247
11	MAHARASHTRA	0.049	0.797	0.049	NR	35034	NR	318 199 NR NR	
\$12	MADHYA PRADESH	0.022	0.456	0.022	NR	47963	NR	1263 14 NR NR	
13	MIZORAM	0.002	0.002	0.002	18.490	1634	0.810	NIL 7 0.050	19.350
14	NAGALAND	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.000
15	ORISSA	0.775	5.282	0.444	40.234	50408	7.373	61 34 288.500	336.107

16PUNJAB 0.086 NR 0.086 NR 10685 NR 75 22 NR NR
 \$17RAJASTHAN NEG NR NEG 0.073 10196 2.408 94 64 22.375 24.856
 18SIKKIM NR NR NR NR 3000 NR NR 57 NR NR
 \$19UTTAR PRADESH 0.349 1.021 0.155 NR 5123 NR 114 102 NR NR
 20WEST BENGAL 0.193 1.354 0.193 NR 40766 NR NR 38 NR NR
 TOTAL: 4.569 29.663 2.258 692.743 505128 152.504 27754 1402 1985.934 2831.181

Source : Information furnished by State Revenue Authorities.
 : Information collected from NDM Division, Ministry of Agriculture
 \$: Information incomplete
 NEG : Negligible
 NR : Not Reported.

ANNEXURE-I (CONTD.)

STATEMENT SHOWING DAMAGE DUE TO FLOODS/HEAVY RAINS DURING 1998

Sl. No.	State	Area Affected m.ha. In Million	Popula- tion In Affected m.ha. In Million	Damage to Crops Lost Live Rs. Crore	Damage to Houses To public Rs. Crores	Cattle	Human Damage	Total Damages
				(Col.6+8+11)				
				Area Value In In m.ha. Rs. Rs. Crore Crore	Nos. Value In In Nos. In Utilities Rs. Crores			

1	ANDHRA PRADESH	1.675	0.568	1.675	1072.990	163739	100.000	155 276 1658.210 2831.200
2	ASSAM	1.324	6.957	0.478	463.304	220436	33.646	86224 125 82.957 579.907
3	BIHAR	2.512	13.470	1.284	366.967	199611	55.037	187 381 92.840 514.844
4	GUJARAT	NIL	3.532	NIL	NIL	23227	5.606	4668 153 NIL 5.606
5	GOA	NIL	NIL	NIL	NIL	NIL	NIL	NIL 0.000
6	HARYANA	NIL	NIL	NIL	NIL	NIL	NIL	NIL 0.000
7	HIMACHAL							
	PRADESH	0.295	2.469	0.278	105.760	5050	0.840	221 71 110.160 216.760
8	KERALA	0.190	14.000	0.190	245.969	38430	103.904	NR 244 862.270 1212.143
9	MAHARASHTRA	0.005	0.016	0.005	1.577	1351	0.219	36 31 0.020 1.816
10	MEGHALAYA	NEG	10.000	NEG	105.860	100	2609 4	67.880 173.740
11	ORISSA	0.437	4.840	0.437	NR	72738	NR	61 34 288.501 288.501
12	PUNJAB	0.013	0.006	0.013	NR	1	NR	34 18 NR 0.000
13	SIKKIM	NIL	NIL	NIL	NIL	NIL	NIL	NIL 0.000
14	RAJASTHAN	0.159	0.669	0.097	10.114	9341	2.784	8248 31 8.565 21.463
15	UTTAR PRADESH	2.523	12.191	1.415	NR	384896	NR	3385 1390 NR 0.000

TOTAL: 9.133 68.718 5.872 2372.541 1118920 302.036 105828 2758 3171.403 5845.980

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STATEMENT SHOWING DAMAGE DUE TO FLOODS/HEAVY RAINS DURING 1999

Sl. No.	State	Area Affected m.ha. In Million	Popula- tion In Affected m.ha. In Million	Damage to Crops Lost Live Rs. Crore	Damage to Houses To public Rs. Crores	Cattle	Human Damage	Total Damages
				(Col.6+8+11)				
				Area Value In In m.ha. Rs. Rs. Crore Crore	Nos. Value In In Nos. In Utilities Rs. Crores			

(Col.6+8+11)

Area Value Nos. Value
In In In
m.ha. Rs. Rs.
Crore Crore

1	ASSAM	0.223	0.891	0.059	50.461	133	1.499	992	3	2.19	54.145
2	BIHAR	0.751	6.298	0.287	216.008	61.038	37.537	37	230	15.285	268.830
3	GOA				1.500						
4	GUJARAT		689	0.244	36	73	3.093	3	337		
5	HIMACHAL PRADESH	0.242	5.170	0.242	109.280	2.224	27.300	129	30	164.217	300.797
6	MEGHALAYA	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	-	-
7	MIZORAM	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	-	-
8	RAJASTHAN	0.020		0.020	0.060	7.152	0.863	3,650	28	3.336	4.259
9	TAMILNADU	0.001		0.001	0.173	36.501	1.833	628	103	-	2.006
10	UTTAR PRADESH	0.054	0.184	0.041	-	1.139	-	9	17	-	-
11	WEST BENGAL	25.925	12.848	1.095	1,261.200	556.660	88.868	3,272	79	41.758	1,391.826

TOTAL: 27.216 25.391 1.745 1,637.182 665.536 158.144 8,753 563 229.874 2,026.700

ANNEXURE-II

STATEWISE OUTLAYS FOR FLOOD CONTROL (2000-01)

(Rs. Lakhs)

Sl. No. Name of States/U.T's 2000-01
Outlay

1. Andhra Pradesh
2. Arunachal Pradesh 1200
3. Assam 3700
4. Bihar 11000
5. Goa
6. Gujarat 500
7. Haryana 2600
8. Himachal Pradesh 1324
9. Jammu & Kashmir 3469
10. Karnataka
11. Kerala 2400
12. Madhya Pradesh 250
13. Maharashtra
14. Manipur 1000
15. Meghalaya 300
16. Mizoram 0
17. Nagaland 300
18. Orissa
19. Punjab 12837
20. Rajasthan 1182
21. Sikkim 1000
22. Tamilnadu
23. Tripura 590
24. Uttar Pradesh 3000
25. West Bengal 21975
26. A & N Islands

27. Chandigarh
28. Dadra & Nagar Haveli
29. Daman & Diu
30. Delhi 2232
31. Lakshadweep
32. Pondicherry 2150