

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

STARRED QUESTION NO:625
ANSWERED ON:10.05.2000
SURVEY OF FLOODS
CHANDRA NATH SINGH;RAGHUNATH JHA

Will the Minister of WATER RESOURCES be pleased to state:

- (a) whether the Union Government have conducted any survey to identify areas affected annually by heavy floods;
- (b) if so, the areas identified during 1999-2000;
- (c) the funds allocated and released so far by the Union Government for the purpose in 1999-2000 and in current financial year to each flood affected State;
- (d) whether some State Governments are not utilising the funds provided for flood control;
- (e) if so, the reasons therefor; and
- (f) the steps taken so far to control floods?

Answer

THE MINISTER OF WATER RESOURCES (DR.C.P. THAKUR)

(a) to (f) A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF STARRED QUESTION NO.625 TO BE ANSWERED IN THE LOK SABHA ON 10.5.2000 REGARDING SURVEY ON FLOODS.

Rashtriya Barh Ayog assessed the area liable to floods as 40 million ha. in India. Statewise breakup of area liable to floods is at Annex.I. The record of area affected by floods in each year is maintained by the respective States. The area affected due to floods during the year 1999-2000 is given at Annex.II.

Flood Management work is a State subject. Funds are allocated to the State by the Planning Commission as blockloans and grants for the flood control sub sector under state plan fund. The approved outlays under flood control sub sector of state plan for each of the flood affected State during the year 1999-2000 are given in Annex.III. The outlay in the state plan under flood control sub sector for the current financial year i.e. 2000-2001 has not been finalised by the Planning Commission. Central Government also provides central assistance to the States for specific schemes. Financial assistance provided by the Ministry of Water Resources to the flood affected States of Assam, Bihar and Uttar Pradesh during 1999-2000 is Rs.15 crore, Rs.5.18 crore and Rs.0.47 crore respectively. In addition to this, assistance to various States is also provided from the National Fund for Calamity Relief (NFCR) and Calamity Relief Fund (CRF). The status of assistance for NFCR and CRF for the year 1999-2000 is given in Annex IV & V respectively.

Over all the State Governments have utilised the funds allocated to them in the flood control sector as evident from the details of outlays and expenditure shown in Annex.VI. However some of the States could not fully utilise the allocation due to reasons such as delay in project preparation, constraints in land acquisition, problems in execution, etc.

The long term and short term measures to control floods are executed by the States as per priorities fixed by the States out of their own plan fund allocated by the Planning Commission. Central Government as per existing procedure provides technical advice and conducts appraisal of schemes when referred by the States for their clearance. Government of India has set up the Ganga Flood Control Commission in 1972 for preparing comprehensive master plans for flood management in Ganga basin. The master plans prepared by Ganga Flood Control Commission have been sent to the concerned Ganga basin States for their implementation. Similarly, Government of India has set up Brahmaputra Board in 1980 for preparing the master plans for the Brahmaputra, the Barak and their tributaries. The Master Plans prepared by Brahmaputra Board have been sent to all the basin States for their implementation. All these master plans contain the recommendations for both short term and long term measures of flood control. The recommendations of the two Committees on flood management, headed by Secretary, Water Resources, one for the States of Uttar Pradesh, Bihar, West Bengal and Orissa and the other for North eastern States constituted in 1987 were sent to the concerned States along with the conclusions of the Empowered Committee. Besides this, in September, 1996 Central Government have constituted five Task Forces and the reports of these Task Forces have been sent to the respective State Governments for taking up necessary follow

up action.

In addition to the above, Central Water Commission operates 157 flood forecasting stations through out the country for providing timely forecasting services to the States. Flood forecasting services help in mitigating the loss of life and property due to floods.

Annex. I

AREA LIABLE TO FLOODS IN THE COUNTRY

(Area in lakh ha.)

Sl. No.	State	Area liable to floods	Sl. No.	State	Area liable to floods
1.	Andhra Pradesh	13.9	12.	Manipur	0.8
2.	Assam	31.5	13.	Meghalaya	0.2
3.	Bihar	42.6	14.	Orissa	14.0
4.	Gujarat	13.9	15.	Punjab	37.0
5.	Haryana	23.5	16.	Rajasthan	32.6
6.	Himachal Pradesh	2.3	17.	Tamilnadu	4.5
7.	Jammu & Kashmir	0.8	18.	Tripura	3.3
8.	Karnataka	0.2	19.	Uttar Pradesh	73.36
9.	Kerala	8.7	20.	West Bengal	26.5
10.	Madhya Pradesh	2.6	21.	Delhi	0.5
11.	Maharashtra	2.3	22.	Pondicherry	0.1
Total:		335.16			
		(Say 34 million ha.)			

Flood prone area as per data from States for period 1953-78

34 Million ha.

Area protected till then (1978)

10 Million ha.

Total: 44 Million ha.

Area flooded due to failure of protection works which might have been added in the reported flooded area (assumed) (-) 4 Million ha.

Total Flood Prone Area in the country 40 Million ha.

Annex. - II

AREA AFFECTED BY FLOODS, DURING THE MONSOON OF 1999

Sl. No.	Name of States	Area affected (in lakh hectare)
1.	Arunachal Pradesh	NR
2.	Assam 1st wave	1.45
	2nd wave	1.48
3.	Bihar 1st wave	7.40
	2nd wave	0.62
4.	Gujarat	NR
5.	Himachal Pradesh	NR
6.	Karnataka	0.40
7.	Kerala	NR
8.	Madhya Pradesh	0.62
9.	Orissa	1.53
10.	Punjab	0.02
11.	Tripura	0.20
12.	Rajasthan	NR
13.	Uttar Pradesh	0.39
14.	West Bengal 1st wave)	
	2nd wave) 10.23	

NR:- Not reported.

ANNEX. III

STATEMENT SHOWING APPROVED OUTLAY IN FLOOD CONTROL SUB SECTOR FOR 1999-2000

(Rs. in crore)

Sl. No.	State/U.T.s	Flood Control
1.	Andhra Pradesh	42.00
2.	Arunachal Pradesh	4.25
3.	Assam	27.25
4.	Bihar	110.00
5.	Goa	0.85
6.	Gujarat	5.00
7.	Haryana	20.00
8.	Himachal Pradesh	8.12
9.	Jammu & Kashmir	32.10
10.	Karnataka	6.90
11.	Kerala	24.00
12.	Madhya Pradesh	1.01
13.	Maharashtra	0.99
14.	Manipur	7.00
15.	Meghalaya	3.00
16.	Mizoram	NIL
17.	Nagaland	+
18.	Orissa	12.63
19.	Punjab	105.39
20.	Rajasthan	3.55
21.	Sikkim	0.02
22.	Tamil Nadu	17.77
23.	Tripura	5.85
24.	Uttar Pradesh	23.53
25.	West Bengal	165.30
26.	A&N Island	0.00
27.	Chandigarh	0.00
28.	D&N Haveli	0.00
29.	Daman & Diu	0.18
30.	Delhi	20.00
31.	Lakshadweep	3.05
32.	Pondicherry	4.00

+ Rs. 4.5 crore is for major and medium, minor irrigation, command areas development and flood control sector. Individual break up for flood control sub sector not available

ANNEX. - IV

STATEMENT SHOWING STATUS OF RELEASE OF ASSISTANCE FROM NATIONAL FUND FOR CALAMITY RELIEF 1999-2000

(Rs. in crore)

Sl. No.	State	Calamity	Assistance released
1.	Manipur	Drought	4.93
2.	Tripura	Drought	5.34

3.	Uttar Pradesh	Earthquake	16.68
4.	Andhra Pradesh	Drought	75.36
5.	West Bengal	Heavy rains/floods	29.52
6.	Jammu & Kashmir	Drought	73.42
7.	Bihar	Floods & Cyclone	38.18
8.	Gujarat	Drought	54.58
9.	Karnataka	Drought & Floods	17.09
10.	Madhya Pradesh	Drought & Floods	38.86
11.	Mizoram	Drought	6.00
12.	Orissa	Floods & Cyclone	828.15
13.	Rajasthan	Drought	102.93

ANNEX. V

STATEMENT SHOWING STATUS OF CALAMITY RELIEF FUND 1999-2000

(Rs. in lakh)

Sl. No.	States	Central Share Released
1.	Andhra Pradesh	10769.00
2.	Arunachal Pradesh	610.00
3.	Assam	4337.00
4.	Bihar	3378.75@
5.	Goa	93.00
6.	Gujarat	12105.00
7.	Haryana	2173.00
8.	Himachal Pradesh	2337.00
9.	Jammu & Kashmir	1709.00
10.	Karnataka	3629.00
11.	Kerala	4804.00
12.	Madhya Pradesh	4429.00
13.	Maharashtra	4435.50@
14.	Manipur	161.25@
15.	Meghalaya	242.00
16.	Mizoram	110.00
17.	Nagaland	147.00
18.	Orissa	4250.00
19.	Punjab	4696.00
20.	Rajasthan	15525.00
21.	Sikkim	306.00
22.	Tamil Nadu	5147.00
23.	Tripura	390.00
24.	Uttar Pradesh	8137.50
25.	West Bengal	4450.00

+ First quarterly instalment amounting to Rs. 102.00 lakh and Rs. 2712.50 lakh in respect of Sikkim and Uttar Pradesh respectively released in advance during 1998-99

@ Fourth quarterly instalments amounting to Rs. 1126.25 lakh, Rs. 1478.50 lakh and Rs. 53.75 lakh in respect of Bihar, Maharashtra and Manipur respectively have not been released for want of information relating to constitution of CRF and crediting and Central and State share into the fund.

Annex.VI

STATEMENT SHOWING APPROVED PLAN OUTLAYS AND EXPENDITURE IN FLOOD CONTROL SUB-SECTOR

(Rs. in crore)

Sl. No.	State/UT's		Approved outlay	Expenditure during	Approved outlay	Expenditure during		
	1992-97	8th Plan						
	1997-98	1997-98	1998-99	1998-99				
1	Andhra Pradesh	143.54	232.87	17.00	17.85	49.00	49.00	
2	Arunachal Pradesh	4.71	11.41	4.48	3.76	4.61	4.16	
3	Assam	86.85	97.59	19.92	16.24	20.27	20.27	
4	Bihar	251.70	170.88	40.00	42.34	63.00	43.00	
5	Goa	0.90	2.44	0.84	0.94	0.60	1.16	
6	Gujarat	10.00	13.20	5.00	4.00	5.00	5.00	
7	Haryana	52.00	55.76	12.10	20.71	23.40	20.00	
8	Himachal Pradesh	6.00	9.47	3.90	3.65	5.74	5.88	
9	Jammu & Kashmir	40.75	57.31	15.90	17.61	26.51	26.12	
10	Karnataka	11.00	44.46	7.48	10.31	7.00	7.00	
11	Kerala	65.00	125.12	25.50	22.13	24.00	24.00	
12	Madhya Pradesh	8.53	3.53	1.00	0.72	1.00	1.00	
13	Maharashtra	1.46	104.92	6.37	0.98	1.16	1.16	
14	Manipur	20.00	27.18	6.00	6.84	5.10	5.10	
15	Meghalaya	8.54	5.87	2.00	1.50	3.00	2.00	
16	Mizoram	0.25	0.28	0.00	0.00	0.00	0.00	
17	Nagaland	1.50	0.51	0.20	0.20	0.09	0.09	
18	Orissa	42.05	44.21	5.00	18.31	15.00	15.00	
19	Punjab	125.00	138.46	70.00	51.05	182.84	184.84	
20	Rajasthan	25.30	77.81	7.82	12.34	4.93	4.53	
21	Sikkim	0.00	3.07	2.34	1.09	0.50	0.02	
22	Tamil Nadu	30.00	3.64	2.03	0.00	0.80	0.80	
23	Tripura	8.00	10.52	4.64	4.64	3.21	3.24	
24	Uttar Pradesh	70.00	53.48	18.15	14.40	20.00	45.90	
25	West Bengal	280.00	174.51	70.23	62.32	145.90	82.22	
26	A&N Island	0.05	2.52	(	-	0.00	0.00
27	D&N Haveli	0.02	0.00	(	0.00	0.00	0.00
28	Chandigarh	0.00	0.00	(	0.00	0.00	0.00
29	Delhi	40.00	54.53	(17.96	10.02	24.00	15.81	
30	Daman & Diu	1.17	1.41	(	0.40	0.28	0.28
31	Lakshadweep	2.60	9.25	(	3.69	2.63	0.00
32	Pondicherry	4.44	13.93	(	3.83	3.00	3.00
Total			1341.36	1550.14	365.86	351.87	642.57	570.58