GOVERNMENT OF INDIA MINISTRY OF AGRICULTURE AND FARMERS WELFARE DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

LOK SABHA UNSTARRED QUESTION NO.1077 TO BE ANSWERED ON THE 24TH JULY, 2018

LOSS OF CROPS DUE TO CHANGES IN WEATHER PATTERNS

1077. SHRI NIHAL CHAND: SHRI JUGAL KISHORE:

Will the Minister of AGRICULTURE AND FARMERS WELFARE ‡ãoŠãaÓa एवं किसान कल्याण ½ãâ¨ããè be pleased to state:

- (a) whether crops have been damaged or their production has declined due to sudden changes in weather patterns thereby resulting in decline in farmers income;
- (b) if so, the quantum of losses suffered by the farmers in each State and Union territory during the last three years;
- (c) the steps taken so far to compensate for the losses suffered by the farmers;
- (d) whether there have been events of heavy rains, hailstorms, cyclones and drought etc. due to sudden changes in climate; and
- (e) if so, the regions that are affected due to such abnormal changes in weather?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

‡ãðŠãäÓã एवं किसान कल्याण ½ãå¨ããÊã¾ã ½ãñâ À㕾ã ½ãå¨ããè (SHRI PARSHOTTAM RUPALA)

(a): Yes Madam. Due to occurrence of localized extreme climatic events like drought, frost, hailstorms etc, crops are affected in some parts of the country, which result in some crop losses. However the overall crop production in the country is in the increasing trend. The food grain production has increased from 251.57 million tonnes in 2015-16 to 279.51 million

tonnes in 2017-18 (3rd Advance Estimates) and horticulture production from 286.19 million tonnes in 2015-16 to 307.16 million tones 2017-18 (3rd Advance Estimates)

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- (b): Losses incurred to the farmers on account of crop damage and less yield due to climatic events is primarily assessed by the State / UT Governments and submit memorandum to Government of India for providing relief to the farmers. The assistance sought by different State Governments during the last three years is given at **Annexure-I**.
- (c): States are equipped with State Disaster Response Fund (SDRF) to take immediate measures including compensation in the wake of any extreme climatic events. Additional financial assistance is also made available to the States from Natural Disaster Management Fund (NDRF) in addition to SDRF, based on memorandums submitted by the State Governments and recommendations of High Level Committee (HLC) to address the loss and damages. Farmers are also compensated against the crop loss, under the Pradhan Mantri Fasal Bima Yojana (PMFBY).
- (d) & (e): As per information received, the State wise details of extreme events in the last three years, are given at **Annexure-II**.

ANNEXURE-I Assistance approved from National Disaster Response Fund (NDRF) for Natural Calamities (<u>Drought & hailstorm</u>) in the States (as on 19.03.2018)

(2014-15 to 2017-18)

(Rs. in crores)

	During 2014-15				
S.No.	State	Calamity	Amount approved by the HLC		
1.	Haryana	Drought	168.87		
	, , ,	Hailstorm	369.09		
2.	Karnataka	Drought	200.85		
		Hailstorm	105.33		
3.	Uttar Pradesh	Drought	777.34		
		Hailstorm	2801.59		
4.	Maharashtra	Drought	1962.99		
5.	Andhra Pradesh	Drought	237.51		
6.	Rajasthan	Hailstorm	1447.73		
7.	Bihar	Hailstorm	791.42		
8.	Telangana	Hailstorm	83.744		
9.	Himachal Pradesh	Hailstorm	71.534		
	Total:		9017.998		
During - 2015-2016					
1.	Karnataka	Drought-K	1540.20		
		Drought-R	723.23		
2.	Chhattisgarh	Drought	1276.25		
3.	Madhya Pradesh	Drought	2032.68		
4.	Maharashtra	Drought	3638.83		
		Drought-R	679.54		
5.	Odisha	Drought	815.00		
6.	Telangana	Drought	791.21		
7.	Uttar Pradesh	Drought	1304.52		
		Drought-R	622.76		
8.	Andhra Pradesh	Drought	433.77		
9.	Jharkhand	Drought	336.94		
10.	Rajasthan	Drought	1193.41		
		Hailstorm	79.18		
11.	Uttarakhand	Drought-R	70.22		
	Total:		15537.74		
		During - 2016-2017			
1.	Karnataka	Drought(K)	1782.44		
		Drought(R)	795.54		
2.	Andhra Pradesh	Drought(K)	518.93		
3.	Kerala	Drought(K)	112.05		
4.	Tamil Nadu	Drought(K)	1748.28		
5.	Rajasthan	Drought(K)	588.34		
6.	Puducherry	Drought(R)	17.70		
	Total		5563.28		

R: Rabi K: Kharif

ANNEXURE-II

Extreme Weather Events in the last three years (2015- 2017)				
Extreme Events	Affected			
2017				
Flood	Parts of Gujarat, South Rajasthan, West Bengal, Assam, Uttar Pradesh, Odisha, Northern Coastal Andhra Pradesh			
Hailstorm	Parts of Maharashtra, Vidarbha and Central Madhya Pradesh			
Drought	Punjab, Haryana, Uttar Pradesh, East Madhya Pradesh and Vidarbha			
Cyclone (Ockhi)	Kerala and Tamil Nadu			
	2016			
Heavy rainfall	Gujarat, Maharashtra, Rajasthan, Andhra Pradesh, Uttarakhand, Assam, Bihar & Madhya Pradesh			
Hailstorm	Bihar, Odisha, Madhya Pradesh & Uttar Pradesh			
Drought	Uttar Pradesh, Madhya Pradesh, Maharashtra, Odisha			
Cyclone (Vardah)	Tamil Nadu			
	2015			
Heavy rainfall	Tamil Nadu, Andhra Pradesh, Assam, Gujarat, MP, Manipur, Odisha, Rajasthan, WB			
Hailstorm	Bihar, Gujarat, Madhya Pradesh, Maharashtra, Rajasthan, Haryana, Punjab, Uttar Pradesh, Uttrakhand, Himachal Pradesh, J & K, Telangana, Andhra Pradesh, Kerala, West Bengal			
Drought	Chhattisgarh, Karnataka, Jharkhand, Odisha, Madhya Pradesh, Maharashtra, Andhra Pradesh, Telangana, Rajasthan			
Cyclone	Gujarat			
