













































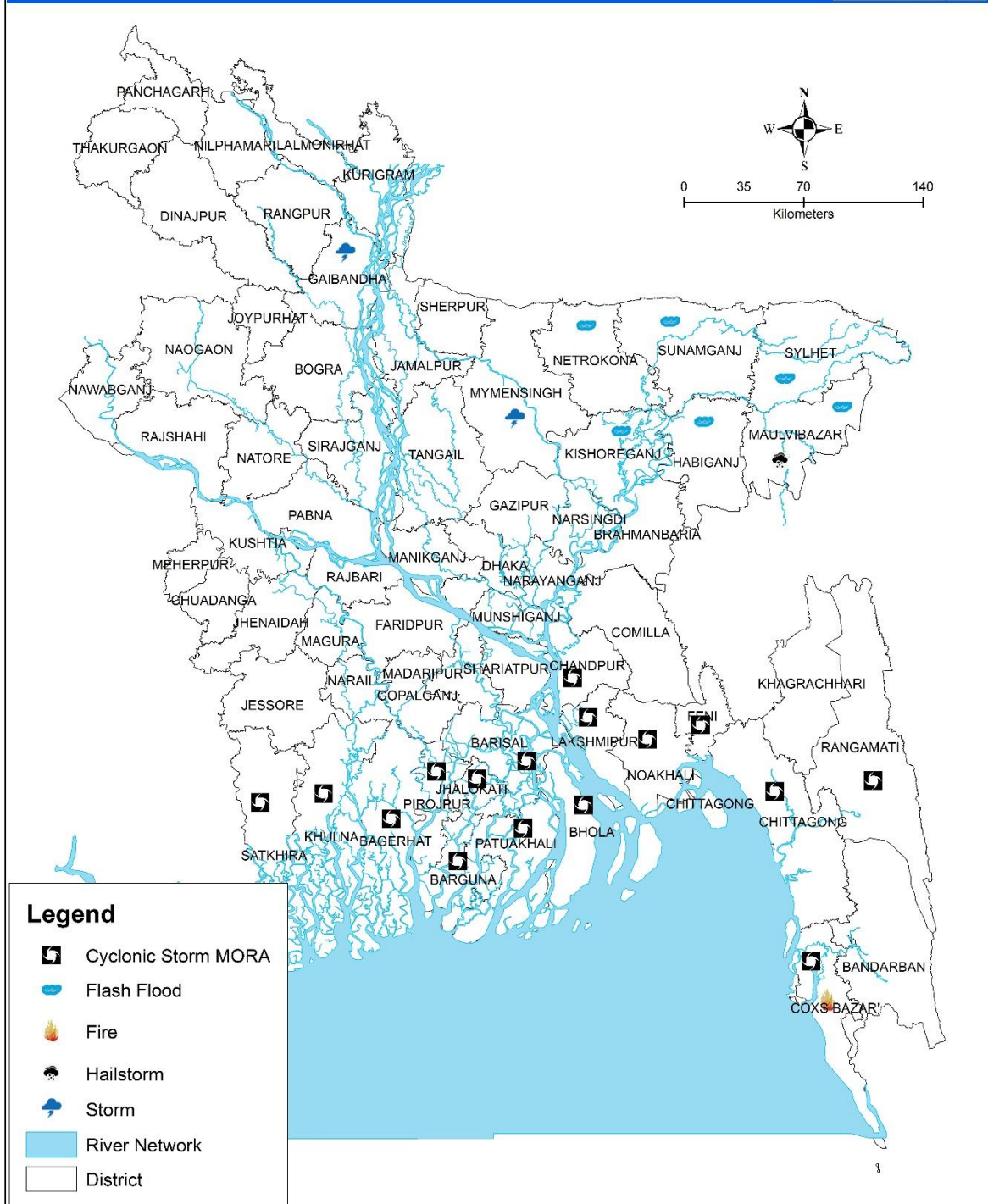


Overview of Hazard Incidents in May 2017

May 2017 was a hazardous month with flash flood, hailstorm, fire, storm and cyclonic storm occurring throughout the country. Although the flash flood, which started in March 28, had most severe impacts; on May 28, Cyclonic Storm MORA took place and cause unadorned distress to the people of 16 affected districts. Total 477,669 people were evacuated to 2,998 shelters in 16 affected districts namely, Cox’s Bazar, Chittagong, Noakhali, Laxmipur, Chandpur, Feni, Barisal, Pirojpur, Patuakhali, Bhola, Jhalkati, Barguna, Khulna, Shatkhira, Bagerhat and Rangamati. Another severe incident was flash flood which continued in this month destroyed standing boro crop in the fields, livestock and fisheries in the six hoar districts, namely, Sylhet, Sunamganj, Netrokona, Moulvibazar, Kishoreganj and Habiganj.

May, 2017						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	 1	 2	 3	 4	 5	 6
	 					
 7	 8	 9	 10	 11	 12	 13
 12	 15	 16	 17	 18	 19	 20
 21	 22	 23	 24	 25	 26	 27
 28	 29	 30	 31			
						
Note	 Fire Incidents	 Hailstorm	 Flash Flood	 Storm		 Cyclonic Storm

Hazard Incidents in Bangladesh, May 2017



Prepared in: 1st June, 2017

Sources: NDRCC Reports and National Dailies, 2017

Description of the Incidents in May 2017

Flash Flood

Heavy rainfalls as well as onrush of water from the upstream Meghalaya hills in India have led to the inundation of a vast areas of croplands of Haors and low-lying areas. Flood started on

28th March affecting six districts (Sylhet, Moulvibazar, Sunamganj, Habiganj, Netrokona and Kishoreganj) in the north east region and extended to May. Rising water overflow and breached embankment in many places and inundated vast areas of croplands. It destroyed nearly-ready-for-harvesting boro rice in about 404,713 hectars areas. Detailed impact Scenario of flash flood in May is given below tables:

Table 01: Brief damage information of six districts affected by flash flood (up to April 28, 2017)						
Districts	Affected Upazilas	Affected Unions	Affected HH	Fully Damaged Agricultural Land (Hec.)	Damaged House	
					Fully	Partially
Sunamganj	11	88	172,617	102,436	2,600	15,000
Sylhet	13	105	212,570	26,715	20	10
Netrokona	10	86	167,180	19,566	0	0
Kishoreganj	13	56	148,687	45,256	0	0
Habiganj	08	64	74,440	15,953	46	51
Moulvibazar	07	60	74,594	9,914	194	284
Total	62	518	850,088	219,840	2,860	15,345

Source: DDM Report on Damage Information and Relief Distribution on Flash Flood, May 01, 2017

Table 02: Information on damage to fisheries as received from Ministry of Fisheries and Livestock			
Districts	Affected Upazilas	Damage to water bodies and fish production	
		No. of Water bodies	Fish (MT)
Sunamganj	11	23	49.75
Sylhet	3	8	21
Netrokona	3	14	118.82
Kishoreganj	0	0	0
Habiganj	0	0	0
Moulvibazar	3	1	25
Total	20	46	213.95

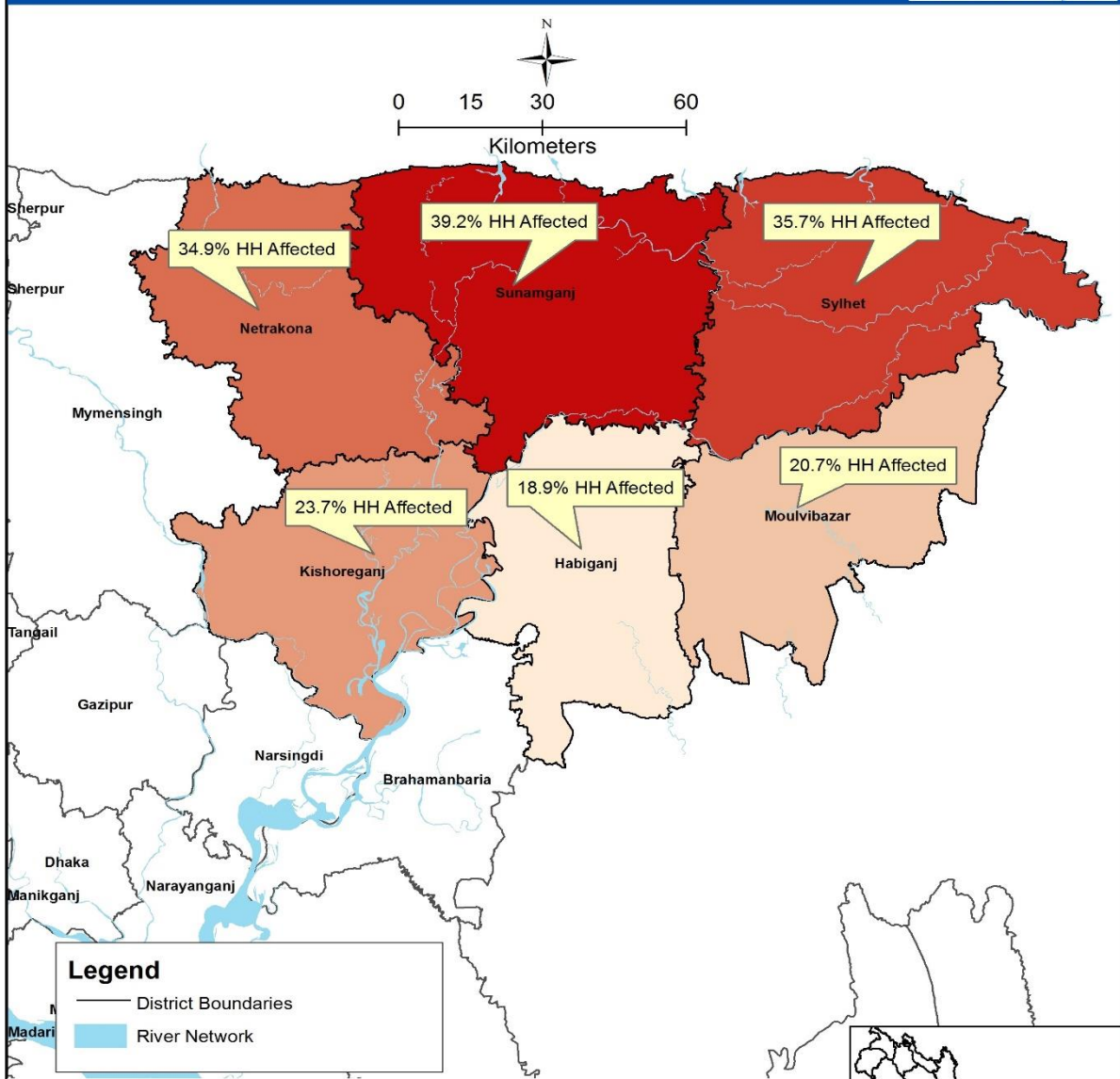
Source: DDM Report on Damage Information and Relief Distribution on Flash Flood, May 28, 2017

Table 03: Information on damage to livestock as received from Ministry of Fisheries and Livestock								
Districts	Affected Upazilas	Affected Unions	Loss of livestock					
			Cow	Buffalo	Goat	Sheep	Duck	Hen
Sunamganj	11	97	361,000	1,250	68,500	32,450	1,210,500	962,000
Sylhet	4	21	249,574	11,763	28,797	41,729	2,120,621	401,100
Netrokona	10	69	139,858	533	40,118	2,053	1,017,495	491,096
Kishoreganj	8	48	132,388	0	0	0	513,300	0
Habiganj	6	34	140,324	1,092	22,640	9,221	1,019,903	517,354
Moulvibazar	3	50	67,022	15,072	21,865	2,719	89,756	266,890
Total	42	284	1,090,166	29,710	181,920	88,172	597,175	2,638,440

Source: DDM Report on Damage Information and Relief Distribution on Flash Flood, May 28, 2017

Flash flood occurred in nearly all unions under the six haor districts and affected about one third of the households of the districts. It destroyed the potential boro crop fully. Also the affected households suffered due to loss of fisheries and domestic animals and birds. Moreover, some households have lost their houses (fully or partially).

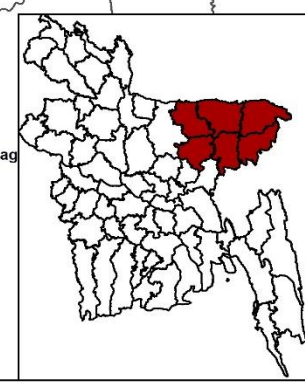
Flash Flood Districts, May 2017



Legend

- District Boundaries
- River Network

Districts	Affected HH	Fully Damaged Agri. Land (Hec.)	Damage to fish (MT)	Loss of livestock		
				Cow & Buffalo	Goat & Sheep	Duck & Hen
Sunamganj	172,617	102,436	49.75	362,250	100,950	2,172,500
Sylhet	212,570	26,715	21	261,337	70,526	2,521,721
Netrokona	167,180	19,566	118.82	140,391	42,171	1,508,591
Kishoreganj	148,687	45,256	0	132,388	0	513,300
Habiganj	74,440	15,953	0	141,416	31,861	1,537,257
Moulvibazar	74,594	9,914	25	82,094	24,584	356,646
Total	850,088	219,840	213.95	1,119,876	270,092	8,610,015



Fire:

In Teknaf of Chittagong district, 23 houses were burnt injuring 3 people due to a fire incident on May 08.

Table 04: Loss and impacts of Fire in May 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
May 08	Cox's Bazar	Teknaf	23 houses were burned and 3 peoples were injured.	<i>The Daily Samakal</i> May 09,2017	Fire service trying 2 hour with their 2 units to control the fire. The injured admitted in Teknaf Health Complex.

Hailstorm:

In Kulaura and Kamalganj upazila of Maulvibazar district, 300 houses were damaged, Boro rice damaged and other losses reported due to hailstorm in May 08, according to Daily Star, May 07, 2017.

Table 05: Loss and impacts of Hailstorm in May 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
May 06	Maulvibazar	Kulaura, Kamalganj	300 houses were damaged. Also Boro rice damaged and a good number of trees and electric poles were uprooted.	<i>The Daily Star</i> May 07, 2017	Palli Bidyut Samity reinstalled the electric polls and restored power supply in Kamalganj and Kulaura yesterday noon.

Storm

On May 08, a madrasa building were blown away due to storm in Phulbaria upazila of Mymensing. Gobindaganj of Gaibandha also affected by storm on May 10.

Table 06: Loss and impacts of storm in May 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
May 08	Mymensing	Phulbaria	Madrasa Building was blown away. 4 rooms and 25 benches were damaged.	<i>The Daily Star</i> May 09, 2017	40 students of Achhim Talimul Millat Dakhil Madrasa in Phulbaria upazila sat for their half-yearly examinations under the open sky while the storm took place.
May 10	Gaibandha	Gobindaganj	Damaging a number of houses and uprooting trees and electric poles.	<i>The Daily Star</i> 11 May,2017	A roadside big tree was uprooted and fell across the highway disrupting road communication between Gobindaganj-Dinajpur roads.

Cyclonic Storm MORA

Depression on the 28th May 2017 over southeast and adjoining central region of the Bay of Bengal strengthen into severe Cyclonic Storm Mora. It moved northwards and crossed Cox's Bazar – Chittagong coast near Kutubdia during 06 am to 12 pm on 30 may, 2017. Then it became weaken gradually and remained over Rangamati region and adjoining area as a land deep depression. At the time of landfall, it has a sustained wind speed of 117 kmph rising to 146 kmph in gust.

From NDRCC report of May 31, 2017, overall impact scenario of Cyclonic Storm Mora is given in the following table. Although detailed information are not collected yet as the information collection process is not completed yet.

Districts	No. of Affected Upazilas	No. of Affected Unions	No. of Affected families	No. of Affected Population	No. of Affected households		No. of Death	No. of Injured	No. of Shelter	No. of Evacuated People
					Fully	Partially				
Chittagong	13	106		14250	2756	2596			538	125820
Cox's Bazar	8		52539	262695	17023	35516	4	60	296	159600
Noakhali	-	-	-	-	-	-	-	-	312	35000
Laxmipur	-	-	-	-	-	-	-	-	102	8924
Feni	-	-	-	-	-	-	-	-	88	250
Bhola	-	-	-	-	-	-	-	-	73	20000
Barisal	-	-	-	-	-	-	-	-		
Barguna	-	-	-	-	-	-	-	-	335	20000
Patuakhali	-	-	-	-	-	-	-	-	331	20205
Khulna	-	-	-	-	-	-	-	-	193	10000
Bagerhat	-	-	-	-	-	-	-	-	234	34000
Shatkhira	-	-	450	1800		450	-	-	159	16700
Chandpur	-	-	-	-	-	-	-	-	99	8730
Pirojpur	-	-	1500	7500	-	10	-	-	193	16740
Rangamati	20	-	-	-	150	1027	2	1	-	-
Total	31	106	54489	286245	19929	39599	6	61	2998	477669

Source: Impact and Allocation on Cyclonic Storm Mora of May 30, 2017, NDRCC Report, May 31, 2017

GOB Responses in May

Response in Flash Flood: The Government of Bangladesh has targeted 330,000 (of the total 850,088) households to provide assistance. The support include mainly GR (rice and cash), VGF, cash through Employment Generation Program for Poorest scheme and C. I. sheet and cash for housing. In addition, the government assistance included special cash grant under VGF. Details of the assistance is are in the table below:

Districts	No of families (till July)	GR		VGF		EGPP		C. I. Sheet (Bundle)	Cash for housing (BDT)
		Rice (MT)	Cash (BDT)	Rice (MT)	Cash as special grant (BDT)	No of beneficiaries	Cash (BDT)		
Sunamganj	150,000	1,450	8,500,000	14,700	225,000,000	13,925	124,927,436	200	600,000
Sylhet	50,000	428	2,437,000	4,900	75,000,000	19,787	177,407,937	-	-
Netrokona	50,000	648	4,240,000	4,900	75,000,000	16,108	144,860,128	-	-
Kishoreganj	50,000	652	3,870,000	4,900	75,000,000	17,387	156,243,338	-	-
Habiganj	29,000	403	1,400,000	2,842	42,500,000	12,670	113,534,043	100	300,000
Moulvibazar	1,000	343	1,450,000	98	1,500,000	11,570	103,727,807	-	-
Total	330,000	3,924	21,897,000	32,340	495,000,000	91,447	820,700,689	300	900,000

Source: DDM Report on Damage Information and Relief Distribution on Flash Flood, May 28, 2017

Response in Cyclonic Storm MORA: The Government allocated assistance immediately to the Cyclonic Storm Mora affected people that include cash grant and food aid. DDM report on Government response is given below:

Table 09: GoB allocation for the affected people in Cyclonic Storm Mora, May 2017						
Districts	GR Cash (BDT)		GR Rice (MT)		C. I. Sheet (Bouundle)	Cash for housing (BDT)
	Allocated	Distributed	Allocated	Distributed		
Chittagong	1,500,000	-	200	-	-	-
Cox's Bazar	2,500,000	900,000	500	110	300	900,000
Noakhali	1,500,000	120,000	200	100	-	-
Laxmipur	1,200,000	150,000	100	30	-	-
Feni	1,100,000	-	100	-	-	-
Bhola	1,200,000	-	100	-	-	-
Barisal	600,000	-	50	-	-	-
Barguna	600,000	-	50	-	-	-
Patuakhali	700,000	-	150	-	-	-
Khulna	600,000	-	50	-	-	-
Bagerhat	700,000	-	50	-	-	-
Shatkhira	500,000	150,000	50	-	-	-
Chandpur	500,000	-	50	-	-	-
Pirojpur	500,000	100,000	50	50	-	-
Total	13,700,000	1,420,000	1,700	-	300	900,000

Source: Impact and Allocation on Cyclonic Storm Mora of May 30, 2017, NDRCC Report, May 31, 2017

Conclusion

Flash flood which continued to this month and Cyclonic Storm Mora developed rapidly and stuck Chittagong – Cox's Bazar districts severely in the month of May. In both these disasters, people of the affected areas suffered due to loss of crops, fisheries and live stocks, damage of trees and houses and inundation of crop field in the low lying areas. Response and preparedness activities by the Government are quite adequate and quick in the case of cyclonic storm. Along with flash flood and cyclonic storm hailstorm, storm and fire incidents were occurred in May which made notable impacts on human lives along with few injuries.