






















































Overview of Hazard Incidents in April 2017

April 2017 was a hazardous month with flash flood, hailstorm, tornado, lightening, nor'wester, embankment collapse, riverbank erosion, fire, boat and launch capsizes occurring throughout the country. However, the flash flood, which started in March 28, was most severe. It destroyed standing boro crop in the fields, livestock and fisheries in the six hoar districts, namely, Sylhet, Sunamganj, Netrokona, Moulvibazar, Kishoreganj and Habiganj.

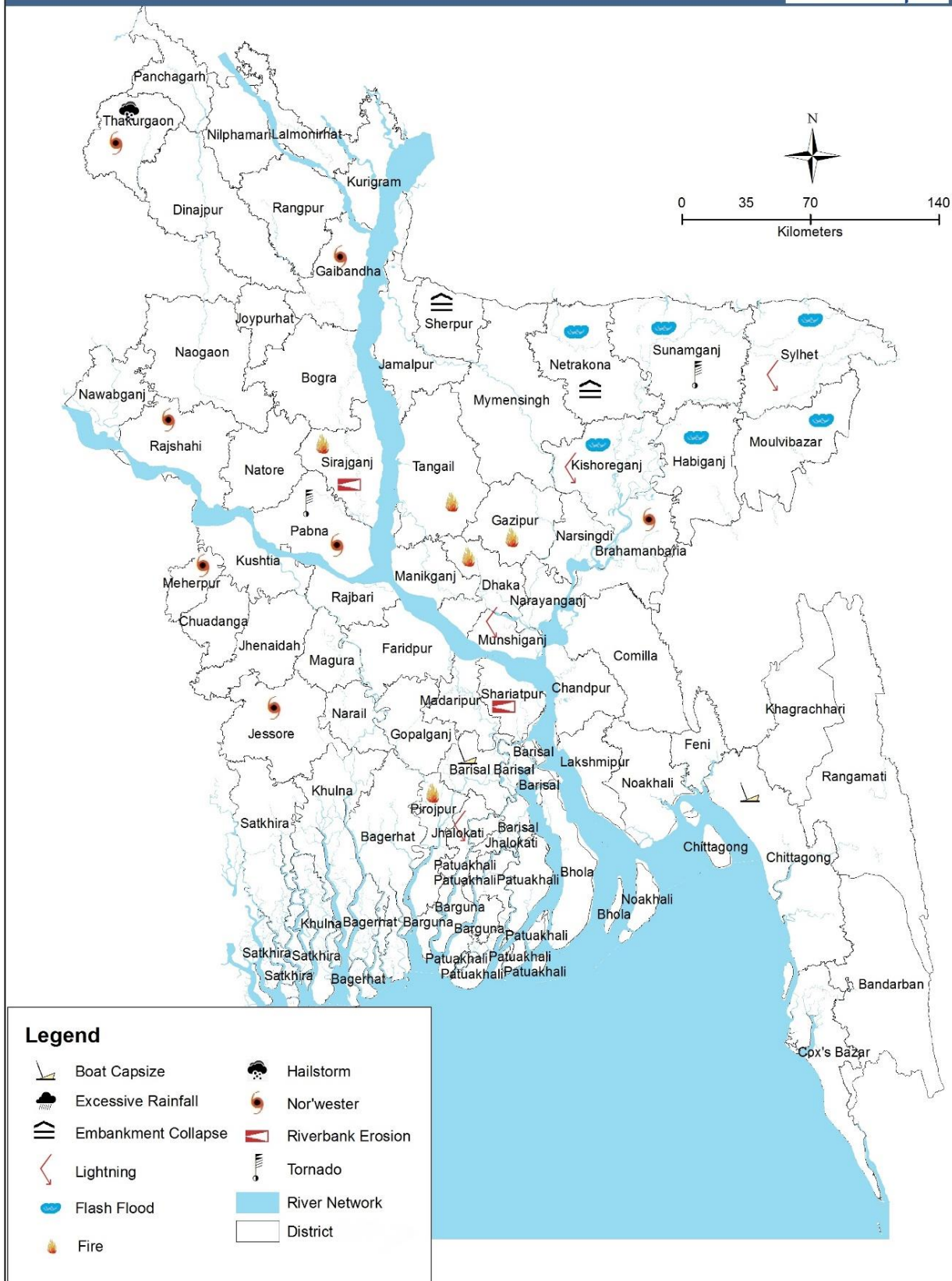
Among the other hazard, fire caused injury of 50 garment workers as well, guttered 10,000 sq. feet warehouse and 28 shops with financial loss amounting to approximately BDT 6.2 million. 8 people died in Sylhet, Jhalokathi, Kishoreganj and Munshiganj due to lightening throughout April.

Another impactful hazard was nor'wester which causes death of 9 people, 1 injured, 700 houses were damaged, 3 units of Ashuganj power station stopped functioning, damage of Boro crop field in some area in districts such as Rajshahi, Pabna, Thakurgaon, Meherpur, Gaibandha and Jessore.

234 people were injured, more than 2888 houses fully and 8521 houses partially damaged, many trees uprooted and electricity connection disrupted in Pabna and Sunamganj districts due to Tornado on April 03 and 30.

April, 2017						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						 1
  2	   3	 4	 5	 6	 7	 8
 9	 10	 11	  12	 13	 14	 15
 16	   17	 18	  19	  20	 21	   22
 23	 24	 25	 26	 27	 28	 29
  30						
Note	 Boat Capsize	 Fire Incidents	 Hailstorm	 Tornado	 Lightning	 Nor'wester
	 Embankment Collapse	 Riverbank Erosion	 Flash Flood	 Excessive Rainfall		

Hazard Incidents in Bangladesh, April 2017



Prepared in: 7th May, 2017

Sources: NDRCC Reports and Dailies, 2017

Description of the Incidents in April 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 of the northeast. Flood started on 28th March affecting six districts (Sylhet, Moulvibazar, Sunamganj, Habiganj, Netrokona and Kishoreganj) in the north east region. 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 219,840 hectares areas. Detailed impact Scenario of flash flood in April is given below tables:

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	1,860	15,345

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

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

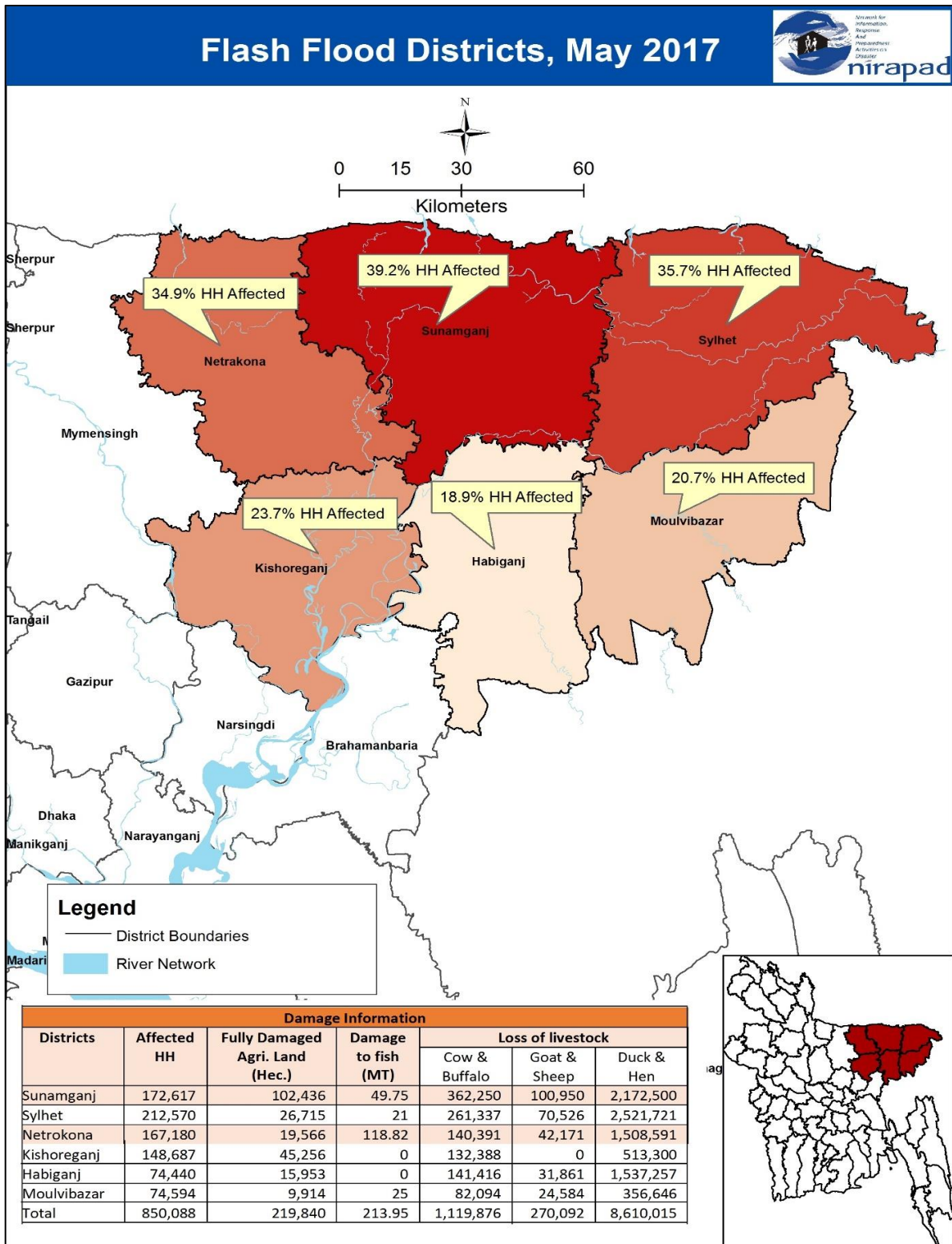
Source: DDM Report on Damage Information and Relief Distribution on Flash Flood, April 28, 2017

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, April 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).



Prepared in: 3rd May, 2017

Sources: DDM Report, April 28, 2017

Fire:

5 fire incidents were reported in April, 2017 in geographic spread of 5 districts (Gazipur, Dhaka, Pirojpur, Tangail and Sirajganj). Put together, they caused injury of 50 garment workers, destroyed a 10,000 sq. feet warehouse and gutted 28 shops.

Among the 5 fire incidents in this month, all were in the commercial areas like garment factory, warehouse and markets. Focusing on the fire incidents records, it is explicit there is increased need to ensure the well-planned safety systems specifically for commercial areas. The fire incidents and impacts in April 2017 are noted below:

Table 04: Loss and impacts of Fire in April 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 02	Gazipur	Sadar	50 garment workers were injured	<i>The Daily Star</i> April 03, 2017	Fire caught on a garment factory in Gilarchara, Gazipur, apparently, it started from an electric short circuit. Workers became chaotic to escape to safe place and caused stamped which injured about 50 people.
April 09	Dhaka	Mohakhali	10,000 sq feet warehouse destroyed in fire	<i>The Daily Star</i> April 10, 2017	A devastating fire broke out at the central warehouse of the family planning (FP) department in Mohakhali early yesterday, the 10,000 square feet warehouse was mostly gutted and some parts of the ceiling have already collapsed. The reason behind the fire could not be known immediately.
April 10	Pirojpur	Indurkani	22 shops guttered in the fire	<i>The Daily Star</i> April 11, 2017	The fire originated from a sweetmeat shop at Indurkani Bazar and soon engulfed another 21 adjacent shops in a row, around 3:30 am.
	Tangail	Mirzapur	6 shops guttered in fire. Approximate loss of BDT 50 lacs	<i>The Daily Janakantha</i> April 11, 2017	The whole market was destroyed in fire. The fire originated from a studio but The reason behind the fire could not be known immediately.
April 12	Sirajganj	Kamarkhand	Approximate damage of goods worth BDT 12 million	<i>The Daily Ittefaq,</i> April 13, 2017	RFL plastic dealer warehouse was burnt to ashes in Kamarkhand at Sirajganj. The incident took place on Wednesday (April 12th) at Hatkhola around 8pm. Sirajganj Fire Service and Civil Defense said that fire broke out in the electrical short circuit.
Total	50 garment workers were injured, 10,000 sq feet warehouse destroyed in fire, 28 shops guttered, approximate loss of BDT 6.2million.				

Hailstorm:

In Balidangi, Sadar and Haripur upazila of Thakurgaon district, huge amount of seedbed of onion is damaged due to hailstorm in April 05, according to Daily Prothom Alo, April 18, 2017.

Nor'wester:

On April, several nor'wester incidents took place in Pabna, Thakurgaon, Gaibandha, Jessore, Brahmanbaria, Meherpur and Rajshahi districts. Impact scenario of Nor'wester of April is given below:

Table 05: Loss and damage by Nor'wester in April 2017

Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 03	Pabna	Sathia	Almost 400 houses are damaged; 10 injured including children; trees uprooted, electricity disconnected.	<i>The Daily Ittefaq</i> April 04, 2017	Affected hundreds of people are living under sky. Things got worst due to hailstorm affected after the Nor'wester.
April 17	Thakurgaon	Sadar, Sundarganj	1 injured, almost 300 houses are damaged, electricity disrupted, crops are damaged.	<i>The Dially Prothom Alo</i> , April 18, 2017	-
	Gaibandha	Ranishankoil Baliadangi	Corn of several areas are damaged	<i>The Dially Prothom Alo</i> , April 16, 2017	-
April 19	Brahmanbaria	Ashuganj	3 units of Ashuganj power station stopped functioning due to Nor'wester.	<i>The Daily Jugantor</i> ; April 20, 2017	Power supply was disrupted at areas near Brahmanbaria, Kishoreganj and Narshindi districts, said Managing Director of Ashuganj Power Station.
April 21	Jessore	Abhaynagar, Sadar	Boro rice damaged in some land.	<i>The Daily Prothom Alo</i> April 21, 2017	According to DAE, 151,805 hectare land was cultivating Boro rice and 15-20% were processed only. Others were being damaged due to the storm of 20 th and 21 st April.
	Meherpur	Gangni	Boro rice affected in some land. Trees are damaged, houses are affected. Electricity pole	<i>The Daily Prothom Alo</i> April 21, 2017	DAE officials said to the reporter that, although some boro rice are affected, it will not cause any damage.
April 30	Rajshahi	Godagari, Paba	6 died	<i>NDRCC report</i> , May 01, 2017	-
	Pabna	-	3 people died	<i>NDRCC report</i> , May 01, 2017	-
	Sunamganj	-	80 injured and 1 missing	<i>DDM report</i> , May 01, 2017	-
Total			9 people died, 1 injured, 700 houses were damaged, 3 units of Ashuganj power station stopped functioning, Boro crop field affected in some area.		

Excessive Rainfall

In Chittagong, some areas have become waterlogged due to the poorly managed drainage system. Businesses have been badly affected as trade in Chaktai and Khatunganj wholesale markets have been hampered in April 20. In Barisal Sadar Upazila, Difficulties in movement due to knee-deep water level in roads, makeshift shops, hawkers and vegetables markets remain closed. Impacts are given below:

Table 06: Loss and damage by excessive rainfall in April 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/Thana			
April 20	Chittagong	-	Some areas have become waterlogged due to the poorly managed drainage system. Businesses have been badly affected as trade in Chaktai and Khatunganj wholesale markets have been hampered.	<i>The Dhaka Tribune</i> April 21, 2017	Several hours of torrential rain and a tidal surge on Friday submerged many areas of the port city in knee-deep to waist-deep water, causing distress to residents. Many areas including 2 No Gate, Agrabad, Prabartak Circle, Chawkbazar, Muradpur, Shulakbahar, Bahadderhat, Pahartali, Kalamia Bazar, Kalurghat, Chandgaon and Bakalia have gone underwater.
April 22	Barisal	Sadar	Difficulties in movement due to knee-deep water level in roads, makeshift shops, hawkers and vegetables markets remain closed.	<i>The Daily Independent</i> April 23, 2017	Low lying areas of the city went under knee-deep water due to torrential rain.

Boat/ Launch capsizes

2 incidents of boat and launch capsizes occurred in April 2nd and 22th in respectively Chittagong and Barisal district.

Table 07: Impact and loss by boat and launch capsizes in April 2017						
Date	Hazard	Location		Impact	Source	Remark
		District	Upazila/Thana			
April 02	Boat capsizes	Chittagong	Sandwip	4 died, 11 missing	<i>The Daily Prothom alo</i> April 02, 2017	Coast Guard member recovered four bodies early Saturday after a boat capsizes, carrying at least 55 passengers, in the Sandwip Channel on Sunday night. At least 25 passengers went missing after the boat sank in the channel of the Bay of Bengal near Guptachhara ghat amid bad weather around 6:15pm on Sunday, The Coast Guard members retrieved the in between 1:30am and 2am, and 11 people are still missing.
April 22	Launch Capsizes	Barisal	Sadar	Cargo was drowned. No damage or death recorded	<i>The Daily Ittefaq</i> April 23, 2017	On the way from Barisal to Dhaka, Green line 2 water ways got crushed with a cargo full of coal. Cargo was drowned instantly.
Total				4 died and 11 were missing, a cargo was drowned.		

Lightening

8 people died and 1 injured in Sylhet, Jhalokathi, Kishoreganj and Munshiganj due to lightening in April, 2017. Impacts are given below:

Table 08: Loss and damages by lightening in April 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/Thana			
April 02	Sylhet	Companiganj	3 died	<i>The Daily Star</i> April 02, 2017	A bolt of lightning struck a house at Dalergaon village at about 4:00 am.

Table 08: Loss and damages by lightening in April 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 19	Jhalokhati	Nalchity	1 killed and 1 injured	<i>Daily Jugantor</i> April 20, 2017	At Magar Union of Jhalokathi Nalchity upazila, a housewife were killed by lightning. The incident took place on Sunday evening at 7 pm. Her daughter was also injured in the incident
	Kishoreganj	Itna, Mitamoin, Astagram	3 people died including 1 woman	<i>The Daily Jugantor</i> ; April 20, 2017	Police officials of these three upazilas confirmed about the number of death. Heavy storm and alongside, hailstorm took place in these three upazilas from morning to night.
April 22	Munshiganj	Gajaria	1 fisherman died.	<i>The Daily Ittefaq</i> April 23, 2017	Chief Investigator of Gajaria Police confirmed that, during fishing at Meghna river, the fisherman died due to lightening.
Total			8 people died and 1 injured		

Embankment Collapse

In April, 2 incidents of embankment collapse occurred in Netrokona and Sherpur which inundated more than 15,700 hectors of agricultural land. Impacts are given below in detail:

Table 09: Loss and damages by embankment collapse in April 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 03	Netrokona	Khaliajuri	15,700 hector agricultural land inundated.	<i>The Daily Janakantha</i> , April 04, 2017	3 Haors named Kirtonkhola, Pangashia and Roail were inundated due to the excessive pressure of water of hilly river Dhanu and excessive rainfall. 5000 hector Boro land is already under water.
April 22	Sherpur	Nalitabari	Boro rice of 500 acre land is inundated. Water induced to hundreds of houses caused water logging.	<i>The Daily Prothom Alo</i> April 23, 2017	According to BADC, 65 feet embankment were collapsed since December, no initiatives were taken to repair that. Due to this negligence, that incident occurred, reported to the Sherpur Correspondent.
Total			More than 15,700 hector agricultural land inundated.		

Tornado

In April 3rd and 30th Tornado took place in Aminpur of Pabna district and in 11 upazilas of Sunamganj districts which causes injury to 234 people and more than 2888 houses fully and 8521 houses partially damaged, many trees uprooted; electricity connection disrupted.

Table 10: Loss and damages by Tornado in April 2017					
Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 03	Pabna	Aminpur	150 people injured including women and children; almost 300 houses damaged; many trees uprooted; electricity connection disrupted.	<i>The Daily Janakantha</i> , April 04, 2017	Exact amount of damages are being assessed. But local administration stated that, it is not sure if the effected people would get any Government assistance.

Table 10: Loss and damages by Tornado in April 2017

Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 30	Sunamganj	Sadar	80 injured, 500 houses fully and 1500 houses partially damaged	NDRCC Report, May 01, 2017	-
		Chhatok	8 people injured, 602 houses fully and 1522 houses partially damaged		
		Biswambarpur	275 houses fully and 790 houses partially damaged		
		Dirai	52 houses fully and 150 houses partially damaged		
		Doara Bazar	900 houses fully and 2400 houses partially damaged		
		Jamalganj	930 houses partially damaged		
		South Sunamganj	300 houses fully and 650 houses partially damaged		
		Dharmapasha	50 houses partially damaged		
		Tahirpur	259 houses fully and 559 houses partially damaged		
		Jagannathpur	-		
	Sulla	-			
Total			234 people injured, more than 2888 houses fully and 8521 houses partially damaged, many trees uprooted; electricity connection disrupted.		

Riverbank Erosion

150 homes and crops of the 3 village have been merged in the Jamuna in Sadar and Kazipur upazilas of Sirajganj district in April 12 and 17 due to riverbank erosion. Details given below:

Table 11: Loss and damages by riverbank erosion in April 2017

Date	Location		Impact	Source	Remark
	District	Upazila/ Thana			
April 12	Sirajganj	Sadar, Kazipur	150 homes and crops of the 3 village have been submerged in the Jamuna	<i>The Daily Janakantha</i> April 13, 2017	Due to the increase of Jamuna water in Sirajganj point, the disruption of the river has started in Sadar upazila and on the Shuvgachha point in Kazipur upazila. The cracks in the flood control embankment in Bahuka point have been found that at any moment the embankment can be collapsed. Many women and men, are living under open sky lost their homes.
April 17	Shariatpur	Zazira Naria	No impact	<i>The Daily Prothom Alo</i> , April 18, 2017	People of these areas are in fear to be affected by riverbank erosion of Padma and being homeless.

GOB Responses in April

Response in Nor'wester: In Rajshahi, nor'wester took 1 life in Godagari upazila. DDM ensured to assist BDT 20,000 to the family of the dead (NDRCC Report, May 01, 2017).

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:

Table 12: GoB allotment for the affected people									
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	0	0
Netrokona	50,000	648	4,240,000	4,900	75,000,000	16,108	144,860,128	0	0
Kishoreganj	50,000	652	3,870,000	4,900	75,000,000	17,387	156,243,338	0	0
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	0	0
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, April 28, 2017

Conclusion

Flash flood was the most hazardous incident in the month of April. People of the affected areas suffered due to loss of crops, fisheries and live stocks every day. Response and preparedness activities by the Government are quite adequate. Along with flash flood, several fire and lightning incidents were occurred in April made severe impacts on human lives along with few injuries.