

Overview of Hazard Incidents in September, 2018

In the month of September six types of hazards had been occurred among which two were manmade (fire and boat capsizes) and four were natural (lightning, flood, earthquake and riverbank erosion). These hazards, all together, took lives of 29 persons and injured about 59 people.

The most devastating hazard was riverbank erosion that occurred at two upazilas (Naria and Zajira) under Shariatpur district. It has been washed away an area of 1.5 square km along with several schools, hospitals, clinics, bazars, and houses.

Another devastating hazard was lightning that occurred in 15 districts (Magura, Gazipur, Sunamganj, Satkhira, Rangamati, Bagerhat Gaibandha, Dinajpur, Netrokona, Jashore, Rajbari, Tangail, Chandpur, Sherpur and Moulvibazar) and took lives of 21 persons.

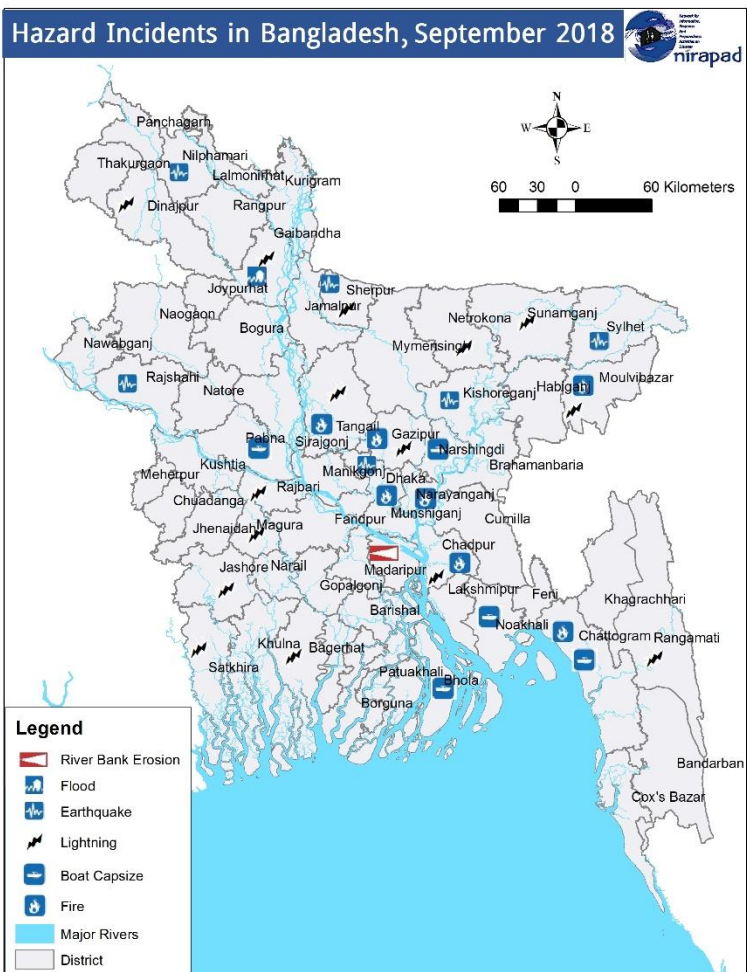
Also, there were fire incidents that occurred 13 times in seven districts (Gazipur, Narayanganj, Chandpur, Dhaka, Chattogram, Moulvibazar and Tangail) and caused death of one person and injury of 15 persons along with huge damage of property and assets.

As well, boat capsizes in four districts (Pabna, Noakhali, Bhola, Narshingdi and Chattogram) killed six persons and 19 persons were missing.

Flood in Gaibandha was also remarkable in this month in which 200 families became homeless and 1,100 hectors of crop lands were inundated.

Furthermore, earthquake occurred in this month. 25 persons were injured while getting down from several factories at North EPZ area in Nilphamari. No other damages were reported because of earthquake.

September 2018						
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						
Index	Lightning	Fire	Earthquake	Flood	Boat Capsize	Riverbank Erosion



Description of the Hazard Incidences in September 2018

Boat Capsize

Five incidents of boat capsizing were occurred in the month of September in Pabna, Noakhali, Bhola, Narshingdi and Chattogram. In an incident in Chalan beel area, it took lives of three persons and two were missing. Another incident included drowning of a lighter ship in the Bay of Bengal near Noakhali, but no damage was reported. Drowning of three fishing trawlers were reported in Bhola but no damage was reported. Two incidents of boat capsizing took lives of three persons and 17 were missing in Narshingdi and Chattogram respectively. A lighter vessel named Char Shyamaail, loaded with 400 tons of old iron (scrap) was anchored at the Chattogram port drowned in the sea. The incident occurred when a large ship lost control of the anchor and stuck with the lighter vessel. However, no casualties had been reported.

Date	Location		Impact	Remarks	Source
	District	Upazila/Thana			
September 1	Pabna	Chatmohar	3 persons died & 2 missing	A boat drowned in Chalan beel area	http://www.prothomalo.com , September 1, 2018
September 9	Noakhali	Hatia	No damage reported	A lighter ship 'Sheikh Faradan' drowned	http://www.prothomalo.com , September 9, 2018
September 20	Bhola	Char Fashion	24 fisherman rescued	3 fishing trawlers submerged by storm	https://www.prothomalo.com , September 20, 2018
September 22	Narsingdi	Belabo	3 persons died	Boat drowned by losing balance in Brahmaputra river at Ibrahimpur	https://www.prothomalo.com , September 22, 2018
	Chattogram	Banshkali	17 persons missing	Missing people are from Gangadara	
September 29	Chattogram	Chattogram Sadar	A Lighter vessel sunk with 400 tons old iron	A large ship lost control & stuck with the lighter vessel.	https://www.prothomalo.com , September 29, 2018
Total	6 persons died & 19 persons missing, 2 Lighter vessels & 3 fishing trawlers drowned, 400 tons of iron inundated.				

Fire

The highest frequent hazard of this month was fire with 13 incidents in seven districts, i.e. Gazipur, Narayanganj, Chandpur, Dhaka, Chattogram, Moulvibazar and Tangail. The incidents caused injury of 13 persons along with huge damage of property and assets. Among the injured patients, four persons were burnt about 25-45% of their bodies in Gazipur and three workers who were burnt in Savar were in critical condition. Among the assets, the affected shopping mall of Tangail faced a loss of approximately three crores. Other damaged resources included cotton warehouse, jute warehouse, tyre workshop and cloth stores. Also 22 mound paddy was burnt causing a loss of approximately 400,000 tk.

Date	Location		Impact	Remarks	Source
	District	Upazila/Thana			
September 2	Gazipur	Kapasias	1 person injured 1 house burnt 1 cow, 15 ducks, 10 hens and 4 pigeons burnt	Fire initiated from the electric short-circuit in a house of Taragon Uttarpara	https://bangla.bdnews24.com , September 2, 2018
September 3	Gazipur	Konabari	4 jute warehouses burnt	Fire initiated in Ali's Jute warehouse & spread to another 3 in Arambagh Pashcimpura	https://bangla.bdnews24.com , September 3, 2018

September 4	Gazipur	Kaliakair	<ul style="list-style-type: none"> 2 cloth stores burnt 	<ul style="list-style-type: none"> Fire initiated due to electric short-circuit in Hakimpur Super Market of Bhangara 	https://bangla.bdnews24.com , September 4, 2018
September 12	Narayanganj	Narayanganj Sadar	<ul style="list-style-type: none"> Materials of the shop burnt, but quantity not reported 	<ul style="list-style-type: none"> Fire was initiated in East Asian Cocks limited of Fatullah area 	https://bangla.bdnews24.com , September 12, 2018
September 13	Chandpur	Matlab	<ul style="list-style-type: none"> A passenger launch was affected, but no damage reported 	<ul style="list-style-type: none"> Fire initiated at engine room of the launch at Chandpur Launch Ghat 	https://www.prothomalo.com , September 13, 2018
September 18	Gazipur	Gazipur Sadar	<ul style="list-style-type: none"> 1 cotton warehouse burnt with stockpile of cotton & other materials 4 workers injured 	<ul style="list-style-type: none"> Fire initiated from the friction of the old cotton refining machine in a factory of Salna area 	https://bangla.bdnews24.com , September 18, 2018
September 20	Gazipur	Kaliakoir	<ul style="list-style-type: none"> 4 persons burnt (25%-45%) Stockpile cotton & other materials burnt 	<ul style="list-style-type: none"> Fire initiated by gas line explosion at Apex Holding Limited at Chandura 	https://www.prothomalo.com , September 20, 2018
September 21	Chattogram	Khulshi	<ul style="list-style-type: none"> 12 semi-pucca houses burnt Loss of 150,00 tk. reported 	<ul style="list-style-type: none"> Fire initiated from electric short-circuit at Ambagan near Khulshi Police Station 	https://bangla.bdnews24.com , September 21, 2018
September 24	Chattogram	Sadarghat	<ul style="list-style-type: none"> 2 houses burnt Loss of 600,000 tk. reported 	<ul style="list-style-type: none"> Fire initiated from electric short-circuit at a house in Nalapara area 	https://bangla.bdnews24.com , September 24, 2018
September 25	Moulvibazar	Sreemangal	<ul style="list-style-type: none"> 1 house burnt 200 mound paddy burnt Loss of 400,000 tk. reported 	<ul style="list-style-type: none"> Incident occurred at a house of a tea garden labor at Sonkhola village of Satgaon union 	https://www.prothomalo.com , September 25, 2018
September 27	Dhaka	Savar	<ul style="list-style-type: none"> 4 workers burnt 	<ul style="list-style-type: none"> Fire initiated in a factory in Hemayetpur area 	https://www.prothomalo.com , September 27, 2018
September 29	Tangail	Tangail Sadar	<ul style="list-style-type: none"> Loss of 3 core tk. reported 	<ul style="list-style-type: none"> Short-circuit occurred at 2nd floor of Sattar shopping mall 	https://www.prothomalo.com , September 29, 2018
	Dhaka	Mohakhali	<ul style="list-style-type: none"> No damage reported 		https://www.dhakatribune.com , September 29, 2018
Total	13 persons injured; 30 domestic animals including cow, ducks, hens & pigeons burnt; 16 houses, 1 cotton warehouse, 4 jute warehouses, 1 go-down of tyre workshop, 2 cloth stores, a shopping mall & 200 mound paddy damaged with a loss of approximately 31,500,000 tk.				

Lightning

In the month of September, 21 people were killed by lightning in 15 districts, i.e. Magura, Gazipur, Sunamganj, Satkhira, Rangamati, Bagerhat, Gaibandha, Dinajpur, Netrakona, Jashore, Rajbari, Tangail, Chandpur and Moulvibazar. Most of the dead persons were farmers and were affected by thunderstorm while working in the fields. In Sunamganj, 1 fisherman and 1 sand dredging labor died on September 12 due to lightning while working in Surma River. 2 women were also died in Satkhira due to lightning on the same day while working in the courtyard of their houses.

Table 3 : Loss & Damage by Lightning in September 2018

Date	Location		Impact	Remarks	Source
	District	Upazila/Thana			
September 11	Magura	Magura Sadar	<ul style="list-style-type: none"> 4 persons killed 	<ul style="list-style-type: none"> Farmers working in jute field when affected by thunderstorm 	https://www.prothomalo.com , 11 September, 2018
	Gazipur	Kapasias	<ul style="list-style-type: none"> 1 person killed 	<ul style="list-style-type: none"> The farmer died on the spot 	NDRCC report, 12 September, 2018

September 12	Sunamganj	Chhatak	2 persons killed	1 fisherman & 1 sand dredging labor affected by thunderstorm in Surma River & died on spot	NDRCC report, 12 September, 2018
	Satkhira	Kaliganj	2 persons killed	2 women of Saihati & Champapul village died at their houses	NDRCC report, 12 September, 2018
	Rangamati	Kaukhali	1 person killed	1 tribal person died at Ghagra village	NDRCC report, 12 September, 2018
	Bagerhat	Sarankhola	1 person killed	The person is from Hogolgati village of Dhansagar union	NDRCC report, 12 September, 2018
	Gaibandha	Palashbari	1 person killed		NDRCC report, 12 September, 2018
	Dinajpur	Dinajpur Sadar	1 person killed	The person is from Sarwasatipur village in Askorpur union	NDRCC report, 12 September, 2018
	Netrakona	Klomkanda	1 person killed	The person is from Munsipur of Rangasati union	NDRCC report, 12 September, 2018
September 13	Jashore	Bagharpara	2 persons killed	Both persons died on the spot at Kismatpur village of Basuari union	NDRCC report, 14 September, 2018
	Rajbari	Baliakandi	1 person killed	The person is from Ekarjana village of Baharpur union	
	Tangail	Kalihati	1 person killed	The person is from Shingna village of Birbasinda union	
	Chandpur	Kochua	1 person killed	The person is from Changpur village of 3 no. Bitara union	
September 26	Sherpur	Sherpur Sadar	1 person killed	The farmer working in the paddy field & died on the spot	https://bangla.bdnews24.com , 26 September, 2018
	Moulvibazar	Juri	1 person killed	The farmer cutting grass from the field & died on the spot	NDRCC report, 26 September, 2018
Total	21 persons killed				

Earthquake

An earthquake with a magnitude of 5.3 trembled the capital and some other parts of the country including Nilphamari, Sylhet, Kishoreganj, Sherpur and Rajshahi in the early morning on September 12. The epicenter of the earthquake was in Saptagram of India's Assam state, 293 kilometers north of BMD Seismic Centre in Agargaon. In Nilphamari, at least 25 people were injured while getting down from several factories in Uttar EPZ area at the time of earthquake.

Date	Location		Impact	Remarks	Source
	District	Upazila/Thana			
September 12	Nilphamari	Sayedpur	At least 25 persons injured	The duration was 50 seconds	https://www.thedailystar.net , 12 September, 2018
	Sylhet	All upazila	No damage reported	The magnitude of the earthquake was 5.3	
	Dhaka				
	Kishoreganj				
	Sherpur				
Rajshahi					
Total	At least 25 persons injured				

Flood

Fulchhari, Sundarganj and Saghata Upazilas under Gaibandha district were inundated on September 17. As a result, 200 families became homeless at Fazlupur union in Fulchhari Upazila and 1,100 hectares of croplands were inundated.

Table 5: Loss & Damage by Flood September 2018					
Date	Location		Impact	Remarks	Source
	District	Upazila/Thana			
September 17	Gaibandha	Fulchhari	<ul style="list-style-type: none"> 350 hectares crop field inundated 200 families became homeless 	Low-lying areas of Fazlupur union inundated	https://bangla.bdnews24.com , 17 September 2018
		Sundarganj	720 hectares crop field inundated		
		Saghata	30 hectares crop land inundated	Low-lying areas of Zigabari, Vatiapara, Shannashir Char and Arendabari union inundated	
Total	200 families became shelter less and 1,100 hectares crop land inundated.				

River Bank Erosion

A huge amount of riverbank erosion was occurred at Naria and Zajira upazila of Shariatpur district. In the mid of September, right riverbank of the Padma under Naria upazila started erosion that was continued till late September. Due to riverbank erosion, Moktaere Char, Kedarpur, Ghariar, Char Atra Unions and ward number 2 and 4 under Naria Paurashava were damaged severely and few villages were totally eroded. During this period, almost 1.5 square km area including Mulpara Community Clinic, Char Jujira Government Primary School Building, East Naria Government Primary School, Bashtala Bazar, WAPDA Launch Ghat, Sadhur Bazar, Upazila Complex main building, Dewan Clinic, Life Care Clinic, Mehmankhana of Gazi Kalu's Mazar Sharif, in laws house of existing local MP, Nusa Specialized (Handicapped) School, a several number of mosques and temples, hundreds of other buildings and thousands of houses, one part of Mulfatganj Bazar, main road of Naria upazila to Kedarpur Union had been completely washed away. At Durbavanga village under Zajira union and Pachukharkandi, Kajiarchar, Safikazir village under Bilashpur union of Zajira upazila, several houses, crop lands, trees and two mosques were destroyed due to the riverbank erosion.

Table 5: Loss & Damage by Flood September 2018					
Date	Location		Impact	Remarks	Source
	District	Upazila/Thana			
September 17	Shariatpur	Naria	1.5 sq. km. area completely washed away	Moktaere Char, Kedarpur, Ghariar, Char Atra Unions and 2 and 4 no. ward under Naria Paurashava was affected	NDRCC report, 17 September, 2018
		Zajira	Several houses, crop lands, trees and 2 mosques damaged	Durbavanga, Pachukharkandi, Kajiarchar, Safikazir etc. areas under Bilashpur union affected	
Total	1.5 square km. area completely washed away with several Schools, hospitals, Clinics, Bazars, Households				

GOB Responses in September 2018

Response to Lightning:

Each family of the dead persons was given 10,000-20,000 by the Ministry of Disaster Management. 10,000 taka was granted to the each family of the four farmers died in Magura. Sunamganj District Disaster Management and Relief Committee granted 20,000 taka to each person's family who were killed by lightning. In Satkhira District, Disaster Management and Relief Committee gave a grant of 15,000 taka to each deceased person's family. In Jashore, each

destitute family was provided 20,000 taka as grant from the fund of the Ministry by the District Authority. A grant of 10,000 taka was given to each deceased person's family by the District Disaster Management Office of Gaibandha. Ranagamati District Disaster Management and Relief Committee granted 20,000 taka to the dead person's family and 20,000 taka grant was given to deceased family by the Bagerhat District Council. Also, 25,000 taka was given to the affected family by the District Administrations from Disaster Management and Relief Fund.

Response to Flood:

Gaibandha District Commissioner reported to NDRCC that the District Administration has made all necessary preparations including flood protection for the floods. "The list of the victims will be provided with necessary relief assistance" he said. Engineer said, "identification of the erosion and the risky areas is being taken at different stages".

Response to Riverbank Erosion in Shariatpur:

3,514 families were given 30 kg GR rice each and 4,200 packets of dry food (rice 1 kg, lentil 1 kg, oil 1 liter, biscuit, salt, sugar, flattened rice, puffed rice, candle) by the Ministry of Disaster Management and Relief. Also, 375 families were given 750 bundles of CI sheets and 2,250,000 taka. 375 families are provided at a rate of 2 bundles of CI sheets and 6,000 taka for each family. Also, 20 persons who were injured in August due to riverbank erosion were given 10,000 taka GR cash each. Moreover, 152.430 MT GR rice and 6,000 packets of dry foods have been allotted for the affected people of Naria upazila. Honorable Minister and Honorable Secretary from the Ministry of Disaster Management and Relief visited the affected areas of Naria upazila and distributed relief to the affected people.

Table 6: Response by the Ministry of Disaster Management and Relief for riverbank erosion in Shariatpur							
Sl. No.	Upazila	Number of Affected Family	Relief Goods Name				
			Dry Food (packets)	GR Rice (Metric ton)	GR Cash	GR CI sheet	Allotted fund for House constructions
1	Naria	8,595	4200	257850	2,00,000	750 bundles	22,50,000
2	Zajira	115	1400	3450	-	-	-
Total		8710	5600	261300	2,00,000	750 bundles	22,50,000

Conclusion

Frequency of hazards, especially lightening and fire frequency was very high in the month of September. In this month, the most devastating hazard was riverbank erosion that washed away an area of 1.5 square km along with several schools, hospitals, clinics, bazars, and houses. As well, in terms of death of the people, the highest devastating hazard was lightening. The damages and disruptions caused by flood were also high in amount. Another mentionable hazard was earthquake which has injured 25 persons due to rush in getting out from factories. However, the Government undertook necessary response interventions for riverbank erosion, flood and lightning affected families to minimize their losses of lives and properties.