



## Overview of Hazard Incidences in July 2016

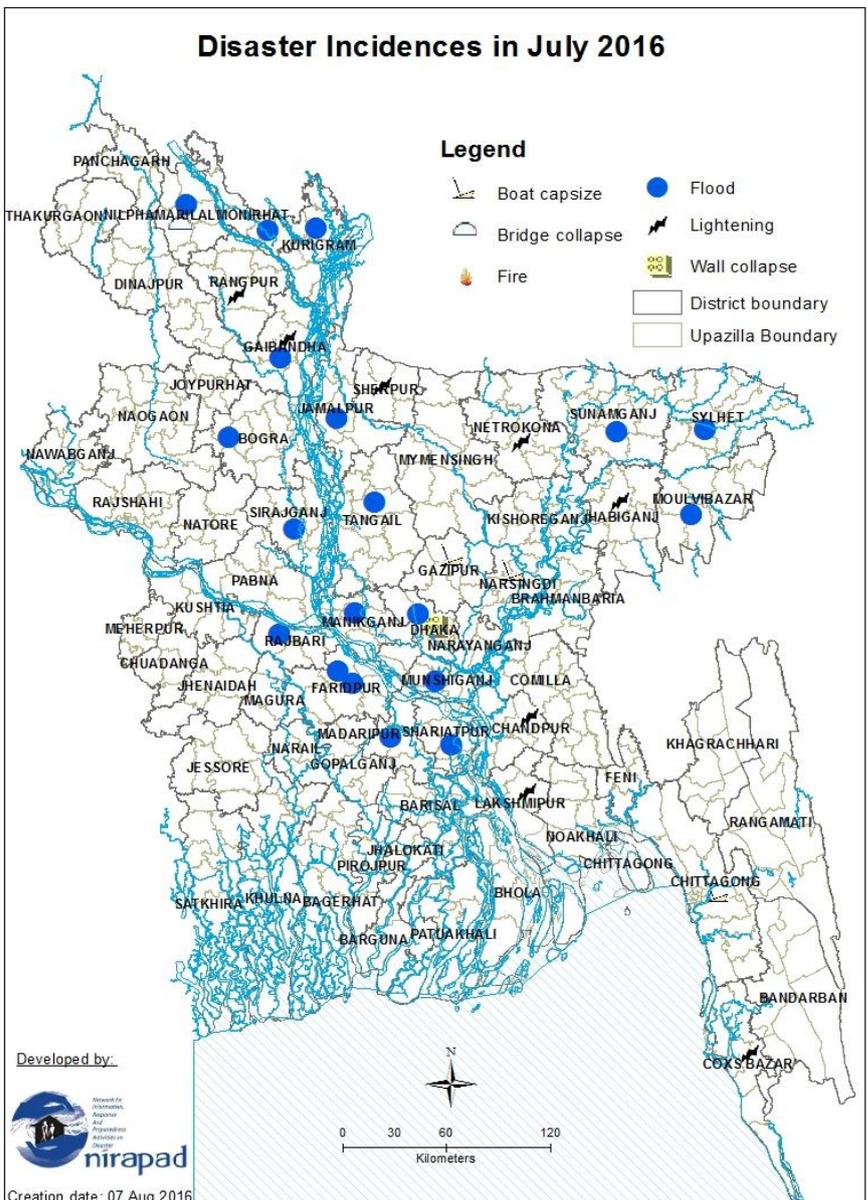
Natural hazards that occurred in July include flood, lightning whereas manmade hazard include fire, bridge collapse, boat capsized and wall collapse.

Rainfall induced flood occurred after second week of this month. Monsoon flood that affect 15 districts till the month started on 20<sup>th</sup> July and still continued.

Nine incidents of lightning reported in July. They occurred on 9<sup>th</sup> and 29<sup>th</sup> July in Habiganj, Rangpur, Netrokona, Lakshmipur, Gaibandha, Chadpur, Sherpur and Cox's Bazar district, respectively. 9 incidents of lightning have been occurred on 29<sup>th</sup> July and 9<sup>th</sup> July. Boat capsized occurred in Chittagong, Narshindi and Gazipur district on 8<sup>th</sup>, 23<sup>rd</sup> and 25<sup>th</sup> July.

Apart from these, fire was the prime man-made hazards occurred in the month of July. Few fire incidents occurred on 3<sup>rd</sup>, 11<sup>th</sup>, 22<sup>nd</sup>, 23<sup>rd</sup>, 26<sup>th</sup> and 27<sup>th</sup> July in Dhaka at Uttara, Dhanmondi, Badda, Kamrangichar and Banani, respectively. A bridge collapse incident occurred on the 1<sup>st</sup> day of the month in Nilphamari district. Besides, two incidents of wall collapse occurred in Dhaka at Bangshal and Sabujbag thana.

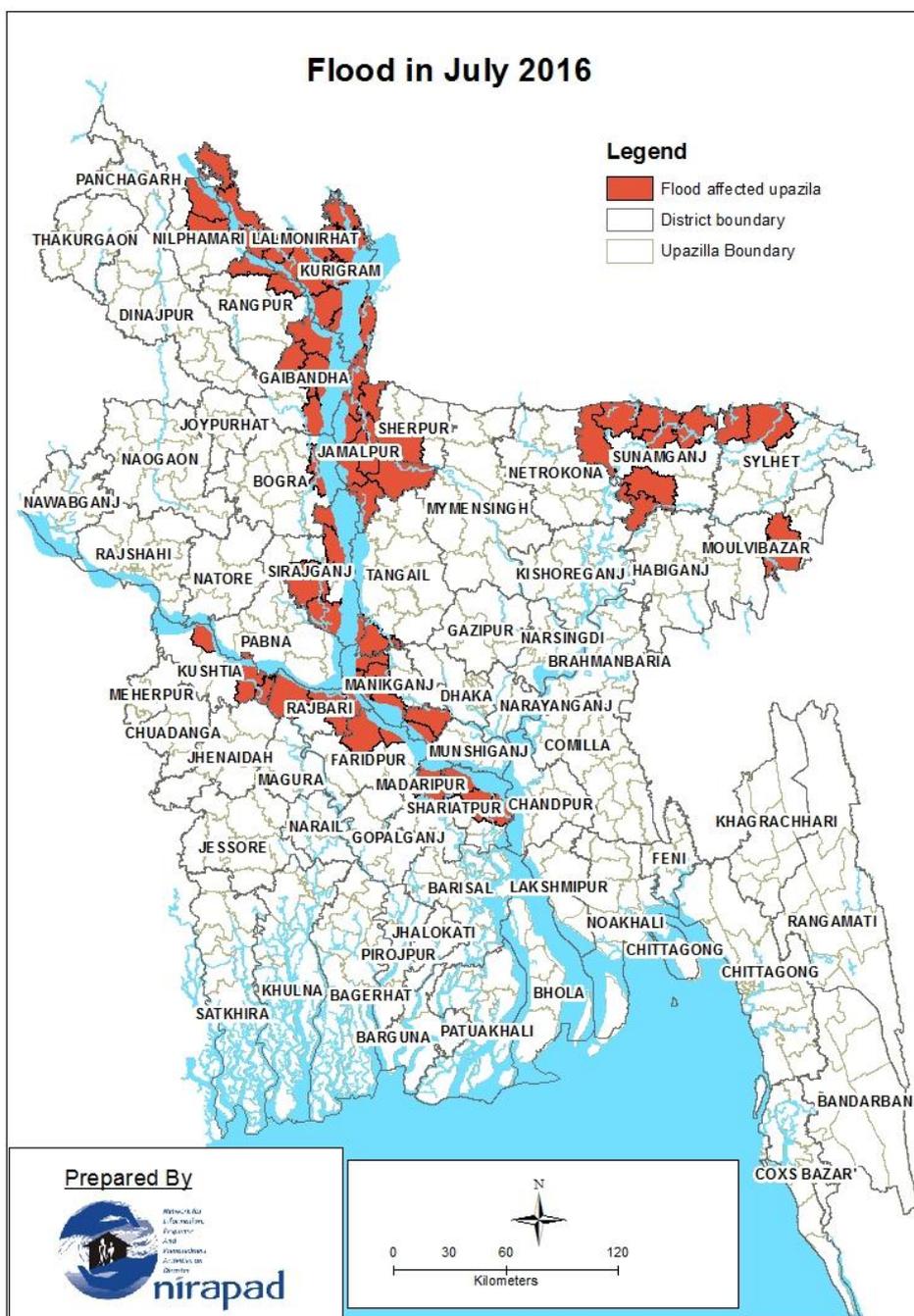
July 2016						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					☽ 1	2
🔥 3	4	5	6	7	🚢 8	⚡ 9
10	🔥 11	🏠 12	13	14	15	16
17	18	19	🌊 20	21	🔥 22	🚢 23
24	🚢 25	🔥 26	🔥 27	28	🌊 29	30
31						



## Description of the Events in July 2016

### Flood

14 people were killed by the flood till July 2016. Available data suggest, some 2635925 people in 64 upazilas 15 districts have been affected by the flood. Highest proportion of people (72.80% of total population) is affected in Chilmari upzila under Kurigram district. In 4 upalizas (Kurigram Sadar, Dewanganj, Islampur and Maderganj) under 2 districts (Kurigram and Jamalpur), proportions of people affected by flood range between 45-65 percent. In 11 upalizas (Fulbari, Nageswari, Ulipur, Lalmonirhat Sadar, Fulchhari, Shaghata, Melandah, Sariakandi, Nagarpur, Dimla and Bishwambarpur) under 8 districts (Kurigram, Lalmonirhat, Gaibandha, Jamalpur, Bogra, Tangail, Nilphamari and Sunamganj), proportions of people affected by flood range between 20-45 percent. In the remaining locality, proportions of people affected by flood is less significant.



Flood destroyed standing crops partially in 9,721 hectares and fully in 31,662 hectares land. Main crops in the fields were *aus* rice (Kurigram), *aman* rice, jute and sugarcane (in Jamalpur and Sirajganj) and rice and vegetables (in other districts).

The flood occurred early. Therefore, majority of the people should have some reserves to fall back on. Daily wage earners face hardship, because, they seem to have lost their employment for about ten days. However, loss of houses and household assets are major concern for the poor household. They have to mobilize substantial volume of resources to reestablish their shelters. Also, for the

farmers, main concern is to identify and procure seed or seedling of suitable crop (based on the local crop calendar) and mobilize financial resources restart the crop cycle.

With the inundation of the dwelling areas, affected people have lost their latrines and tube-well. It is serious concern for women and children, in particular, and generally, for public health.

Also, women and children displaced by the flood have become exposed to abuse and gender based violence. Moreover, many schools have been inundated or occupied as temporary flood shelter. It severely reduced children's access to education.

In public domain, roads, culverts, embankment have been damaged in many



*Photo: People including women and children are moving for a safe place, Chukainagar Union, Dewnganj, Jamalpur*

*Source: Daily Jugantor, 28<sup>th</sup> July 2016*

places. Railway tracks in some places are inundated. It adversely affected supply chain for some markets and let to price hike for essential items.

Table 1: Loss and damage by Flood in July 2016

SI #	District	Upazila	Total no. of people*	No. of affected people**	No. of affected people in %	No. of death	No. of displaced people	Impact on Infrastructure	Impact on agriculture	Source
01.	Lalmonirhat	Lalmonirhat Sadar	353,795	117,080	33.09	-	-	<ul style="list-style-type: none"> <li>House- 24,793 houses damaged</li> <li>Institutions- 2 academic and 2 religious institutions damaged</li> </ul>	Data not available	NDRCC Report, August 02; DDM Situation Report, August 01
		Aditmari	240,178	15,200	6.33	--	-			
		Kaliganj	262,169	9,000	3.43	-	-			
		Hatibandha	249,622	46,360	18.57	-	-			
		Patgram	232,938	11,600	4.98	-	-			
02.	Kurigram	Bhurungamari	247,197	39,432	15.95	4 killed	<ul style="list-style-type: none"> <li>3684 people moved to 53 flood shelters</li> </ul>	<ul style="list-style-type: none"> <li>House- 150,586 houses damaged</li> <li>Road- 474 km katcha and 51.50 km pucca road damaged</li> <li>Institutions- 228 academic institutions partially and 20 completely damaged</li> <li>Embankment- 53 km embankment breached</li> <li>Culvert- 29 culvert damaged</li> </ul>	<ul style="list-style-type: none"> <li>7123 hectares crop land damaged</li> <li>77 livestock killed</li> </ul>	NDRCC Report, August 02; DDM Situation Report, August 01
		Nageswari	420,716	104,350	24.80					
		Fulbari	171,145	51,140	29.88					
		Kurigram Sadar	329,342	202,897	61.61					
		Rajarhat	195,608	8,205	4.19					
		Ulipur	422,238	98,891	23.42					
		Chilmari	131,210	95,524	72.80					
		Rawmari	209,840	14,215	6.77					
Rajibpur	78,387	11,200	14.29							
03.	Gaibandha	Sundarganj	492,678	80,800	16.40	4 killed	-	<ul style="list-style-type: none"> <li>Road- 189 km katcha and 19 km pucca road partially damaged</li> <li>Embankment- 300 m stretch of embankment collapsed</li> </ul>	<ul style="list-style-type: none"> <li>3449 hectares crop land damaged</li> <li>5 cows and 12 goats killed and 605 ponds with fish washed away.</li> </ul>	NDRCC Report, August 02; DDM Situation Report, August 01
		Gaibandha Sadar	462,775	45,180	9.76					
		Shaghatta	286,438	68,070	23.76					
		Fulchari	176,727	67,550	38.22					
04.	Jamalpur	Bokshiganj	233,880	25,000	10.69	7 killed	<ul style="list-style-type: none"> <li>9814 people moved to 20 flood shelters</li> </ul>	<ul style="list-style-type: none"> <li>House- 4327 partially damaged and 301 houses completely damaged</li> <li>Road- 319 km Katcha road fully and 1522 km partially damaged. 17 km Pucca road fully and 100.60 partially damaged</li> <li>Institutions- 407 academic and 248 religious institutions partially damaged</li> <li>Embankment- 58.90 km embankment partially and 6 km completely breached</li> </ul>	<ul style="list-style-type: none"> <li>18550 hectares cropland completely inundated</li> <li>"Aus" paddy and Jute plants are at a risk of damage.</li> </ul>	NDRCC Report, August 02; DDM Situation Report, August 01
		Dewanganj	276,289	159,211	57.62					
		Islampur	318,882	180,000	56.45					
		Madarganj	282,020	130,000	46.10					
		Melandah	333,649	100,000	29.97					
		Sharishabari	347,282	65,000	18.72					
Jmalpur Sadar	652,479	15,000	2.30							

SI #	District	Upazila	Total no. of people*		No. of affected people	No. of affected people in %	No. of death	No. of displaced people	Impact on Infrastructure	Impact on agriculture	Source
05.	Sirajganj	Sirajganj Sadar	585,685		16800	2.87	-	-	<ul style="list-style-type: none"> <li>House- 5330 houses completely and 60829 partially damaged</li> <li>Road- 112 km roads entirely and 215 km partially damaged</li> <li>Institutions- 69 educational institutions completely and 413 partially damaged</li> </ul>	<ul style="list-style-type: none"> <li>More than 40 hectors of cropland inundated</li> </ul>	NDRCC Report, August 02; DDM Situation Report, August 01; The Daily Prothom Alo, July 23)
		Kazipur	293,428		51605	17.59					
		Belkuchi	374,638		7610	2.03					
		Shahjadpur	597,751		5000	0.84					
		Chauhali	170,743		18750	10.98					
06.	Sunamganj	Bishwambarpur	126,259		35,000	27.72	-	-	<ul style="list-style-type: none"> <li>Rubber dam collapsed</li> </ul>		NDRCC Report, August 02; DDM Situation Report, August 01; The Daily Prothom Alo, July 21
		Derai	243,690		-	-					
		Dharampasha	197,535		500	0.25					
		Dowarabazar	237,180		2,500	1.05					
		Sulla	113,743		-	-					
		Sunamganj Sadar	219,338		35,000	15.96					
		Tahirpur	155,198		30,000	19.33					
		Jamalganj	167,260		500	0.30					
Chhatak	397,642		0	0.03							
07	Bogra	Sariakandi	289,298		90,000	31.11	-	-	<ul style="list-style-type: none"> <li>Institutions- 103 educational institutions damaged</li> <li>Embankment- embankment collapsed</li> </ul>	<ul style="list-style-type: none"> <li>More than 2500 hectors cropland damaged</li> </ul>	NDRCC Report, August 02; DDM Situation Report, August 01; The Daily Jugantor, July 25
		Dhunat	312,457		11,000	3.52	-	-			
		Sonatala	199,212		20,000	10.04	-	-			
08.	Rangpur	Gangachhara Sadar	297,869	34295	3.94		-	-	Data not available	<ul style="list-style-type: none"> <li>More than 100 Jute plant &amp; fish, poultry washed away.</li> <li>Seedbed of Aush &amp; Aman damaged</li> <li>2 goat killed</li> </ul>	NDRCC Report, August 02; DDM Situation Report, August 01; The Daily Jugantor, July 27
		Kaunia	243,405								
		Pirgacha	329,644								
09.	Nilphamari	Dimla	382,362		96,000	25.11	-	-	<ul style="list-style-type: none"> <li>House- 1150 houses partially and 4400 houses completely damaged</li> <li>Road- 7 km road completely damaged</li> <li>Institutions- 3 educational institution partially and 1 completely damaged</li> <li>Embankment- embankment breached</li> </ul>	Data not available	NDRCC Report, August 02; DDM Situation Report, August 01
		Jaldhaka									

SI #	District	Upazila	Total no. of people*		No. of affected people	No. of affected people in %	No. of death	No. of displaced people	Impact on Infrastructure	Impact on agriculture	
10.	Faridpur	Char Bhadrasan	482832		40,860	8.46	-	-	• Embankment of Padma river collapsed	Data not available	NDRCC Report, August 02; DDM Situation Report, August 01 The Daily Jugantor, July 31
		Faridpur Sadar									
11.	Rajbari	Goalandaghat	138257		53,545	7.94	-	-	Data not available	Data not available	
		Pangsha	241067								
		Rajbari Sadar	295370								
12.	Tangail	Nagarpur	723614		198530	27.44	-	-	Data not available	• 9599 hectares field crop partially damaged • 50000 livestock and 1000000 poultry inundated	NDRCC Report, August 02; DDM Situation Report, August 01
		Bhuapur									
		Gopalpur									
13.	Madaripur	Shib Char	427913		-	-	-	-	Data not available	Data not available	-
14.	Shariatpur	Naria	231644		4,940	1.16		-	• Institutions- 2 mosque inundated	Data not available	-
		Zanjira	194019								
15.	Manikganj	Daulatpur	885396		117,530	13.27		-	• 199 academic institution damaged	Data not available	NDRCC Report, August 02; DDM Situation Report, August 01
		Ghior									
		Harirampur									
		Shibalaya									
16.	Dhaka	Dohar	226439		-	-		-	Data not available	Data not available	-
		Nawabganj	335757		-	-		-			
17.	Kustia	Khoksha	134011		1,580	1.18		-	• Road- 10 km Katcha road damaged	• 122 hectares field crop partially damaged	NDRCC Report, August 02; DDM Situation Report, August 01
		Kumarkhali	315138		1,875	0.59					
		Bheramara	175480		1,500	0.85					
	<b>Total</b>	<b>67 Upazilas inundated</b>	-		<b>2635925 people affected</b>	-	<b>14 killed</b>	<b>13,498 people moved to 73 shelters</b>	<b>• Total 251,716 house damaged • 2514 km katcha and 522 km pucca roads damaged • 118 km embankment damaged • 1427 educational &amp; 272 religious institutions damaged</b>	<b>9,721 hectares partially &amp; 31,662 hectares crop land fully damaged</b>	-

Source: National web portal and WFP Sub Offices; \*\*Source: D Form, DDM Situation Report and NDRCC Report

### Boat Capsize

On 8<sup>th</sup>, 23<sup>rd</sup> and 25<sup>th</sup> of this month, boat capsizing was reported to have occurred in Chittagong, Narshingdi and Gazipur Districts. It killed 18 people and made more than 50 people injured.

Table 2: Loss and damage by Boat capsizing in July 2016					
Date	Location		Impact	Source	Remark
	District	Upazila			
8-Jul	Chittagong	Ramgarh	5 killed	<i>The Daily Star, July 10</i>	A boat with 20 people capsized on Halda river
23-Jul	Narshingdi	Raipur	12 including 7 children killed. More than 50 injured.	<i>The Daily Star, July 24</i>	An overloaded passenger trawler capsized in Arial Kha river due to hole in its hull.
25-Jul	Gazipur	Kaliakair	1 killed	<i>The Daily Jugantor, July 26</i>	
<b>Total</b>			18 killed and more than 50 injured.		

### Fire Incidents

In the month of July, six incidents of fire occurred, all in Dhaka district at Uttara, Dhanmondi, Badda, Kamrangichar, Keraniganj and Banani. No significant loss was reported. 6 people were killed and 8 cows, 1 goat and 1 sheep burnt in these incidences.

Table 3: Loss and damage by Fire in July 2016					
Date	Location		Impact	Source	Remark
	District	Upazila			
3-Jul	Dhaka	Uttara	Part of some shops burnt	<i>The Daily Jugantor, July 4</i>	
11-Jul	Dhaka	Dhanmondi	No impact.	<i>The Daily Prothomalo, July 12</i>	A commercial center named "Rose view Plaza" caught fire
22-Jul	Dhaka	Badda	No casualties	<i>The Daily Prothomalo, July 23</i>	Office of a school named "Monpura School and College" caught fire. Fire originated from short circuit.
23-Jul	Dhaka	Kamrangichar	6 burnt.	<i>The Daily Prothomalo, July 24</i>	A small factory caught fire.
26-Jul	Dhaka	Keraniganj	5 cows, 1 goat and 1 sheep killed. 3 cows burnt	<i>The Daily Jugantor, July 27</i>	Cowshed caught fire
27-Jul	Dhaka	Banani	No casualties	<i>The Daily Prothomalo, July 27</i>	A restaurant named "Charka" caught fire. Fire originated from gas pipeline leakage.
<b>Total</b>			6 people killed, 8 cows, 1 goat and 1 sheep burnt		

### Lightening

9 incidents of lightning occurred in 8 districts e.g. Habiganj, Rangpur, Netrokona, Lakshmipur, Gaibandha, Chandpur, Dherpur and Cox's bazar. On 9<sup>th</sup> July one incident occurred in Habiganj and as many as eight incidents occurred on the same day on 29<sup>th</sup> July in Rangpur, Netrona, Lakshmipur, Gaibandha, Chandpur, Sherpur, and Cox's bazar. It killed 15 people including 2 children and injured 2 people.

Date	Location		Impact	Source
	District	Upazila		
9-Jul	Habiganj	Bahubal	4 killed	<i>The Daily Star, July 10</i>
29-Jul	Rangpur	Kaunia	2 killed and 1 injured	<i>The Daily Jugantor, July 30</i>
		Pirgacha	2 children killed	<i>The Daily Jugantor, July 30</i>
	Netrokona	Kendua	1 killed	<i>The Daily Jugantor, July 30</i>
	Lakshmipur	Lakshmipur sadar	1 killed and 1 injured in Charruhita union	<i>The Daily Jugantor, July 30</i>
	Gaibandha	Gobindoganj	1 killed at Talukpur union	<i>The Daily Jugantor, July 30</i>
	Chandpur	Kochua	2 killed	<i>The Daily Jugantor, July 30</i>
	Sherpur	Sherpur sadar	1 killed	<i>The Daily Jugantor, July 30</i>
	Cox's bazar	Chakariya	1 killed at Boroitoli union	<i>The Daily Jugantor, July 30</i>
<b>Total</b>			15 killed and 2 injured.	

### **Bridge Collapse**

In the month of July, a bridge collapse incidents occurred at Saidpur of Nilphamari district. No causality made during this incident. (*The Daily Jugantor, July 2*)

### **Wall collapse**

In the month of July, two incidents of wall collapse have been reported to be occurred on 12<sup>th</sup> July and 22<sup>nd</sup> July in Dhaka at Bangshal and Sabujbag thana. 1 people killed and 5 other injured.

## **Description of Response in July**

The Government is providing assistance to the flood affected people that include cash grant, food aid and other materials. GoB allocated 8,450 MT GR rice, BDT 28,950,000 GR cash and BDT 17,500,000 for dry food (for details see table 3). In addition, On 23<sup>rd</sup> July, they distributed 4,000 packets of dry food in Kurigram, Gaibandha, Lalmonirhat and Nilphamari district. Each packet included rice- 5 kg, lentil- 1 kg, soyabean oil- 1 litre, suger- 1kg, salt- 1 kg, puffed rice- 500 gm, flattened rice- 1 kg, candle- 1 dozen and match box- 1 dozen. (DDM Report, 01 August, 2016).

SI#	District	GR Rice (MT)			GR Cash (BDT)			Dry food (Packet)	
		Allocation	Distribution	Stock	Allocation	Distribution	Stock	Allocation	Distribution
1	Sirajganj	750	661	89	2,900,000	1,680,000	520,000	1,500,000	1500000
2	Bogra	350	285	65	900,000	450,000	850,000	1,500,000	1500000
3	Rangpur	300	76	224	800,000	122,000	678,000	500,000	500000
4	Kurigram	1,375	1,275	100	4,300,000	3,800,000	3,250,000	2,500,000	2,500,000
5	Nilphamari	500	367	183	1,500,000	1,204,000	1,090,000	2,500,000	2,500,000

6	Gaibandha	1,050	760	290	4,100,000	2,400,000	2,500,000	2,500,000	2,500,000
7	Lalmonirhat	800	696	104	2,650,000	2,645,000	1,750,000	2,500,000	2,500,000
8	Sunamgonj	450	166	284	1,600,000	420,000	1,200,000	1,500,000	1,500,000
9	Jamalpur	1,000	1,000	300	4,100,000	4,100,000	100,000	2,500,000	2,500,000
10	Faridpur	350	145	205	600,000	410,000	570,000	500,000	-
11	Rajbari	175	90	85	700,000	375,000	70,000	500,000	-
12	Tangail	225	110	315	1,200,000	700,000	1,200,000	500,000	-
13	Madaripur	175	30	145	700,000	100,000	700,000	500,000	-
14	Shariatpur	225	13	212	700,000	-	700,000	500,000	-
15	Manikganj	225	175	250	1,200,000	1,200,000	1,200,000	500,000	-
16	Dhaka	100	35	65	100,000	100,000	100,000	500,000	-
17	Munshiganj	100	20	80	100,000	-	100,000	500,000	-
18	Chadpur	150	-	150	100,000	-	100,000	500,000	-
19	Rajshahi	150	1	149	700,000	80,000	620,000	500,000	-
	<b>Total</b>	<b>8,450</b>	<b>5,521</b>	<b>3,295</b>	<b>28,950,000</b>	<b>19,786,000</b>	<b>17,298,000</b>	<b>17,500,000</b>	<b>17500000</b>

## Conclusion

Flood existed throughout the month of July. The worst of the flooding had initially affected districts, It victimized a number of people at different places in around fifteen districts in this month. Highest proportion of people (72.80% of total population) is affected in Chilmari upzila under Kurigram district . Lightning snatched 15 lives away in this month. Besides, several localized disasters, i.e., fire, boat capsizing and wall collapse were also experienced in the month of July.