



Special Bulletin for the districts of North Bengal

In anticipation of shifting of Monsoon trough towards foothills of Himalayas during 9th – 12th July and strong moisture incursion from Bay of Bengal, heavy to very heavy rainfall along with isolated extremely heavy rainfall occurred in the district of North Bengal during 9th to 12th July 2020. Continuation of enhanced rainfall activity over districts of North Bengal during 10-14 July 2020. The monsoon trough at mean sea level continues to run close to foothills of the Himalayas. Widespread rainfall activity up to 16th July is very likely to occur over the districts of North Bengal.

Amount of rainfall recorded from weather station:

	10.07.2020(mm)	11.07.2020(mm)	12.07.2020(mm)	Total(mm)
Pundibari	5.4	62.0	207.2	274.6
Majhian	57.2	24	37.4	118.6
Kalimpong	14.6	7.8	62.6	85

Warning according to Regional Meteorological Center–Kolkata:

12.07.2020 (Red colour): 1) Heavy to very heavy rain (7 -19 cm) with extremely heavy (≥ 20 cm) very likely to occur at one or two places over Alipurduar, Jalpaiguri, Coochbehar, Darjeeling, and Kalimpong districts. 2) Heavy rain (7 -11 cm) cm likely to occur at one or two places over Malda, North & South Dinajpur districts. 3) Thunderstorms with lightning likely to occur at one or two places over the districts of North Bengal.

13.07.2020 (Red colour): 1) Heavy to very heavy rain (7-19 cm) with extremely heavy (≥ 20 cm) very likely to occur at one or two places over Alipurduar, Jalpaiguri, Coochbehar districts. 2) Heavy to very heavy rain (7 -19 cm) likely to occur at one or two places over Darjeeling and Kalimpong districts. 3) Heavy rain (7-11 cm) likely to occur at one or two places over Malda, North & South Dinajpur districts. 4) Thunderstorms with lightning likely to occur at one or two places over the districts of North Bengal.

14.07.2020 (Orange colour): 1) Heavy to very heavy rain (7-19 cm) likely to occur at one or two places over Alipurduar, Coochbehar districts. 2) Heavy rain (7-11 cm) likely at one or two places over Jalpaiguri, Darjeeling and Kalimpong districts of North Bengal.

15.07.2020 (Orange colour): Heavy rain (7-11 cm) likely at one or two places over Alipurduar, Coochbehar districts of North Bengal.

16.07.2020 (Orange Colour): Heavy rain (7-11 cm) likely at one or two places over Alipurduar, Jalpaiguri, Coochbehar, Darjeeling and Kalimpong districts of North Bengal.

General Impact: Landslide /Mudslide, blockage of roads, inundation of low-lying areas, the possibility of floods, reduction of visibility.

Agricultural impact: Due to continuous heavy rainfall and water stagnation the vegetable crops like Brinjal, Pointed gourd, Bottle gourd, Ridge gourd, Chili, etc suffer from rotting. Make proper drainage channels to drain out water. Avoid spraying and application of fertilizer till the clear sky. The rice seedbed is also underwater and expected to be damaged and advised for preparation seedbed in trays (if possible) in some raised structure. The farmers who had already completed their transplanting are advised to maintain drainage.

Animal Husbandry-

Cattle and Buffalo: Do not allow animals to get wet during rainy season. Apply sufficient amount of Calcium Carbonate or bleaching powder to avoid germs. Never let a cow or goat graze in a place where there is standing water. It should be noted that cows or goats should not take paddy in any way at this time. If it takes a lot of paddy and the stomach starts to swell, then feed a spoonful of mustard oil. It will stop the production of gas in the stomach. In addition, blotocil or blotonil should be given in certain doses. If necessary, take the advice of a nearby veterinarian.

Poultry: Never allow chickens or ducks to eat wet or damp feed during this rainy season.

It is very important to provide a particular amount of dewormers for both roundworm and tapeworm to any cattle, goats, or poultry at this time.

Fishery: Apply the required quantity of calcium carbonate or lime in the submerged ponds. Check the overflow of water, fishes may drain out with overflowed water. Don't use excess feed to avoid water pollution

General precautionary measure: The peoples of the low-lying and riverside areas are advised to move to high lands, take care of their animals. Store some dry food and drinking water for emergency purposes.