



# NATIONAL AGROMETEOROLOGICAL ADVISORY SERVICE BULLETIN

**23 March 2022 (WEDNESDAY)**  
**[FOR THE PERIOD 23.03.2022 – 27.03.2022]**



## DISCLAIMER

Under the Agro-meteorological Information System Development Project, Agromet Advisory Service Bulletins at National & Sixty Four (64) districts have been prepared on experimental basis. These bulletins are being displayed through the website of Department of Agricultural Extension for valuable comments/ suggestions from all concerned.

## ISSUED BY

Agro-Meteorological Information Systems  
Development Project  
Department of Agricultural Extension (DAE)  
Ministry of Agriculture  
In collaboration with Bangladesh  
Meteorological Department

## **Special Agromet Advisories for CORONA virus (COVID-19) transmission in Bangladesh**

### **Agromet Advisories**

Farmers and all other farm managements are advised to follow the guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19). Precautions and safety measures should be taken up to prevent the Carona virus spread. Simple measures include social distancing, maintaining personal hygiene by washing hands with soap, wearing of face mask, drink hot water, stay at home and cleaning of implements and machinery. Farmers should not work in a group; consult with a doctor in case of any symptom. Please stay at home does not visit the field until it is very necessary.

### **Salient Weather Conditions & Forecast**

As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours' weather may remain dry over the country. Mild heat wave is sweeping over Sylhet division and the regions of Feni & Sitakunda and it may continue. Day and night temperature may rise slightly over the country. As per the outlook issued by BMD for next 72 hours' is likely little change. During last four days, no rainfall occurred over the country and as per the quantitative medium range weather forecast; there is no possibility of rainfall most of the districts in the country during next five days. Detail Agromet advisory are given below.

### **Boro Paddy:**

- Apply irrigation and maintain the required water level in the land.
- In case of bacterial leaf blight, in the initial stage of the disease, apply 60 gm MOP, 60 gm thiovit in 10 liters of water and apply on 5% of the land. In case of disease, 5 kg potash fertilizer should be applied per bigha.
- To control blast disease, retain water in the soil and apply a balanced dose of fertilizer.
- For control of blast disease, application of urea fertilizer in the affected land should be stopped and 8 gm of Trooper or 6 gm of Nativo or Tricyclazol / Strobil group fungicide should be mixed in 10 liters of water and applied twice in 5-7 days interval in every 5% of the land.
- In case of infestation of stem borer insects, collect and destroy the pile of eggs, use light traps, if the infestation is high, use approved pesticides.
- Use light traps to control leaf-rolling insects and perch on the ground. Avoid excessive use of urea fertilizer. If 25% of the leaves are damaged, apply one of the approved pesticides of Sevin 85 SP, Darsban 20 EC or Mipsin 75 WP in the correct dosage.
- In case of thrips infestation, apply nitrogen fertilizer on the affected land. In case of high infestation apply 1.12 liter malathion or 1.7 kg carbaryl or 1.12 kg isoprocarb / MIPC per hectare.

### **Wheat:**

- Collect mature crops in the morning or late afternoon.

**Mustard:**

- When 80% of the crop is mature, store it in dry weather.

**Vegetables**

- In case of infestation of eggplant tip and fruit borer insects, cut and destroy the affected tip along with the insects. Insect reproduction can be greatly reduced by using pheromone traps. Only use moderate amounts of specific potent chemical pesticides or locally recommended organic pesticides if absolutely necessary.
- In case of infestation of flies in pumpkin vegetables, use pheromone and bisotop traps together. Pesticides of alpha cypermethrin group can be used.
- In case of powdery mildew in Gourd vegetables, apply hexaconazole or mancozeb.
- In case of infestation of aphid insects in beans and cabbage, apply approved pesticides of Chlorpyrifos group.
- Thrips infestation can be controlled using adhesive white traps (40 per hectare). If the infestation is severe, fipronil or dimethoate can be sprayed at the rate of 10 ml in 10 liters of water.
- Apply light irrigation and pesticides, if necessary.

**Horticultural crops**

- Fruit orchards need to be inter-cultural operation.
- In case of symptoms of Sigatoka disease on banana leaves, 0.5 ml of Score or 2 g of Noin or Bavistin or 0.1 ml of Econazole / Folico should be mixed in every liter of water and sprayed 2-3 times at intervals of 15-20 days.
- Mango can be attacked by sucking insects (hoppers) and anthracnose at different stages. When the buds attack, the flowers fall off. Soak the leaves, buds and stalks of the tree well once and once a month after flowering for bud control but before flowering, mix Cypermethrin (Ripcord / Simbush / Phenom / Basathrin) 10 EC 1 ml and Tilt 250 EC 0.5 ml per liter of water. Need to spray.
- In order to control coconut spiders, sprouts should be applied to the affected trees by cutting and burning the young coconut. In addition, spider mites should be applied on the young leaves of nearby trees.
- Apply Isoprocarb (MIPC) group pesticide if banana beetle infestation occurs.
- If millibugs attack guava, use approved pesticides. This insect can also be controlled by spraying powdered soap at the rate of 5 grams per liter of water.
- Take necessary action in case of infestation of fruit flies in guava.
- Apply light irrigation and pesticides, if necessary.

**Livestock:**

- Keep the cow house open
- Take appropriate measures to repel mosquitoes.
- Give the cattle plenty of clean water to drink.
- Feed raw grass to cattle.

- Vaccinate cattle regularly to prevent disease.

**Poultry:**

- Vaccinate chickens regularly to prevent disease.
- Keep the poultry house clean.

**Fishery:**

- The end of winter begins to heat up. Now is the perfect time to release the fish. Start preparing the pond.
- Quickly create a suitable environment for releasing fish with lime and fertilizer in empty ponds.
- Release the fish by calculating the species and number.

## Realized Weather at different locations in the country

Rainfall for last 24 hours (till 06 AM on 23 March 2022) and maximum temperature on 22 March and minimum temperature on 23 March 2022 is given below:

Name of Divisions	Name of Stations	Rain fall (mm)	Max. Temp (°C)	Min. Temp (°C)	Name of Divisions	Name of Stations	Rain fall (mm)	Max. Temp (°C)	Min. Temp (°C)
Dhaka	Dhaka	00	35.1	24.6	Rajshahi	Rajshahi	00	36.7	23.3
	Tangail	00	34.0	23.8		Ishurdi	00	35.3	23.3
	Faridpur	00	34.8	22.5		Bogura	00	33.3	24.6
	Madaripur	00	33.9	22.0		Badalgachhi	00	32.4	23.5
	Gopalganj	00	34.0	23.5		Tarash	00	32.7	23.4
	Nikli	00	35.0	20.0					
Mymensingh	Mymensingh	00	32.6	23.0	Rangpur	Rangpur	00	32.8	24.5
	Netrokona	00	32.4	22.4		Dinajpur	00	33.2	24.3
						Sayedpur	00	33.0	23.9
						Tetulia	00	30.9	21.6
Chattogram	Chattogram	00	30.8	22.4		Dimla	00	31.7	23.5
	Sandwip	00	33.7	22.0		Rajarhat	00	33.2	22.5
	Sitakunda	00	33.8	19.8	Khulna	Khulna	00	34.2	24.5
	Rangamati	00	36.3	21.8		Mongla	00	34.6	23.8
	Cumilla	00	33.8	20.6		Satkhira	00	33.6	24.5
	Chandpur	00	33.5	23.0		Jashore	00	34.6	23.6
	M.Court	00	34.0	22.6		Chuadanga	00	34.5	23.6
	Feni	00	35.0	21.4		Kumarkhali	00	35.0	25.0
	Hatiya	00	31.2	19.8	Barishal	Barishal	00	34.0	23.0
	Cox's Bazar	00	32.5	24.4		Patuakhali	00	34.5	23.4
Kutubdia	00	30.5	26.2	Khepupara		00	33.4	23.2	
Teknaf	00	32.2	24.5	Bhola		00	33.2	22.4	
Sylhet	Sylhet	00	<u>36.9</u>	22.8					
	Srimangal	00	36.3	<u>19.5</u>					

### Highlights:

- Country average bright sunshine hour was 8.70 hours per day during last week.
- Country average free water loss during the previous week was 4.10 mm per day.

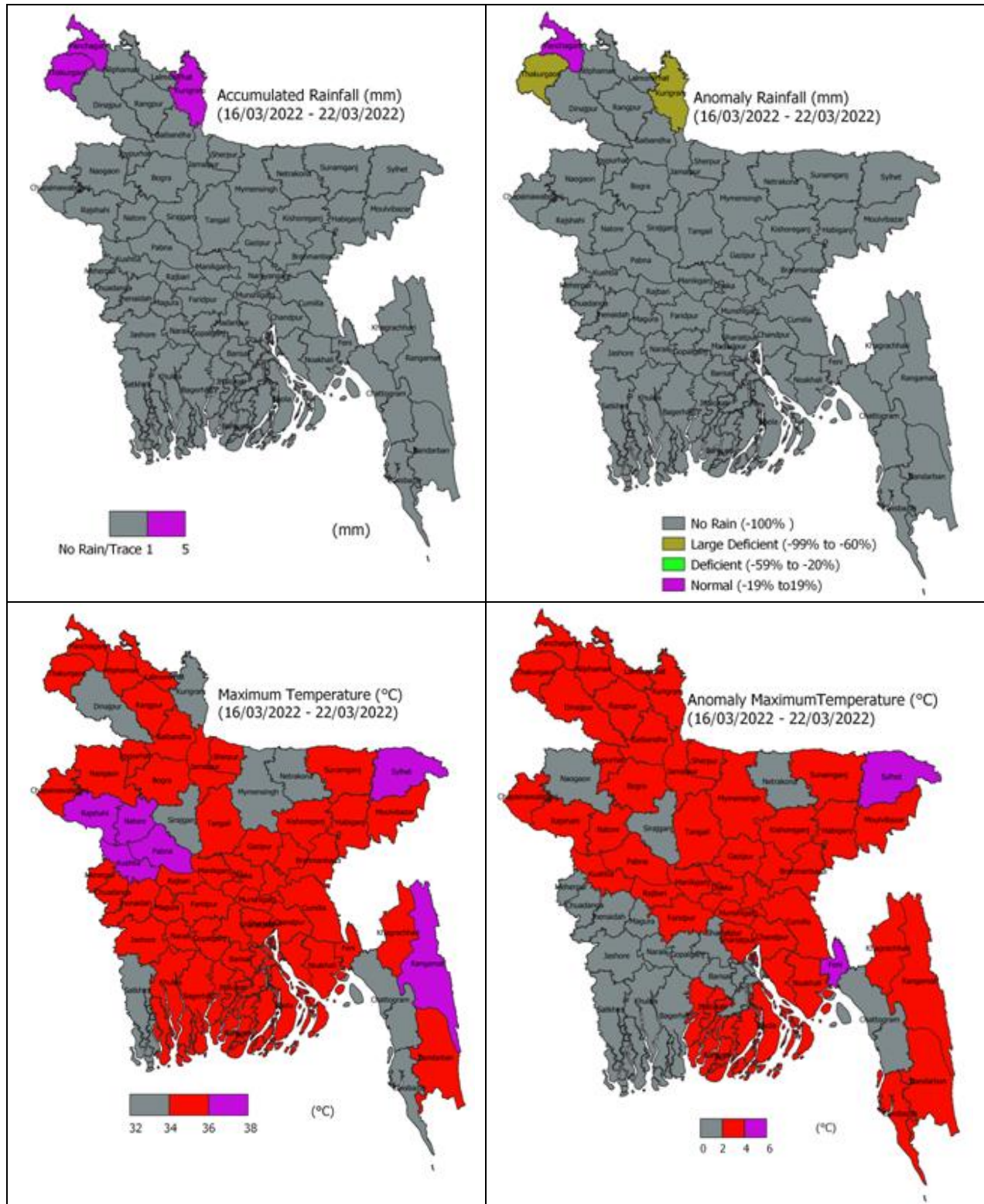
### Weather Forecast Valid for 24 Hours commencing 06 PM Today:

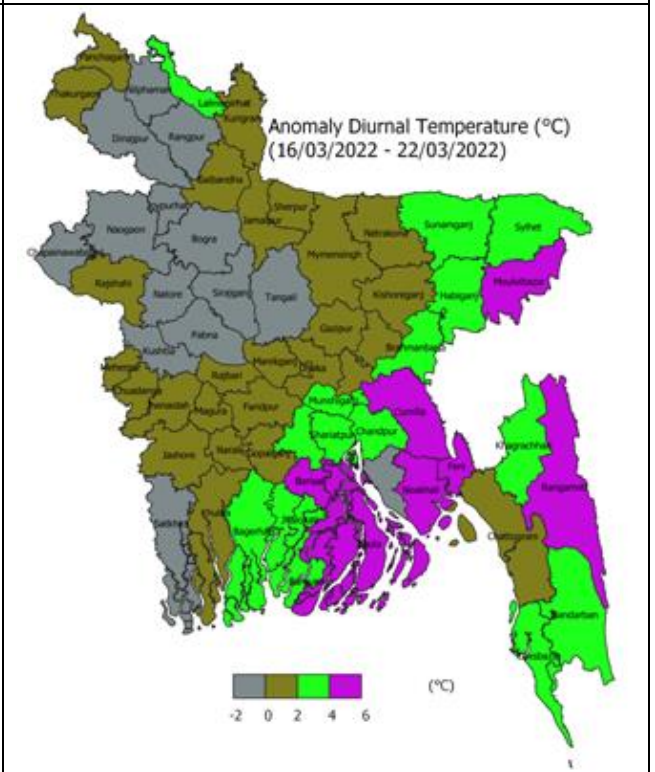
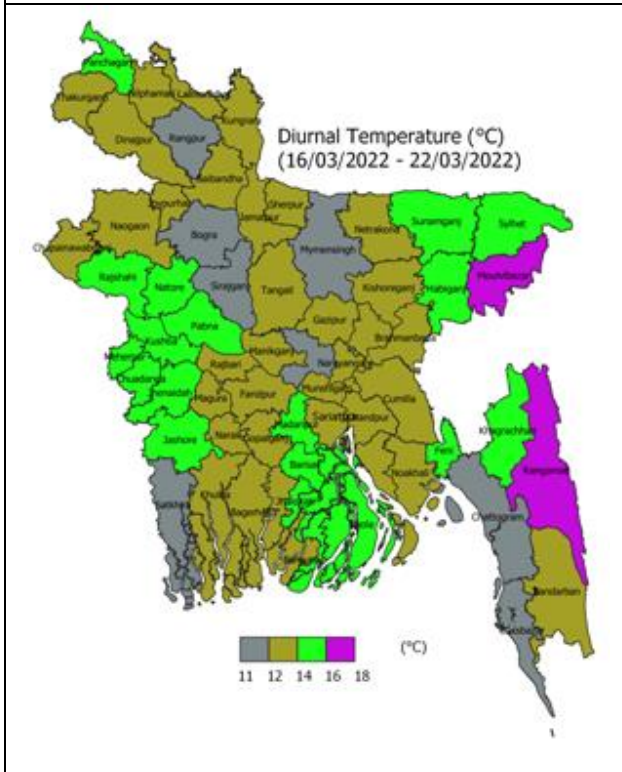
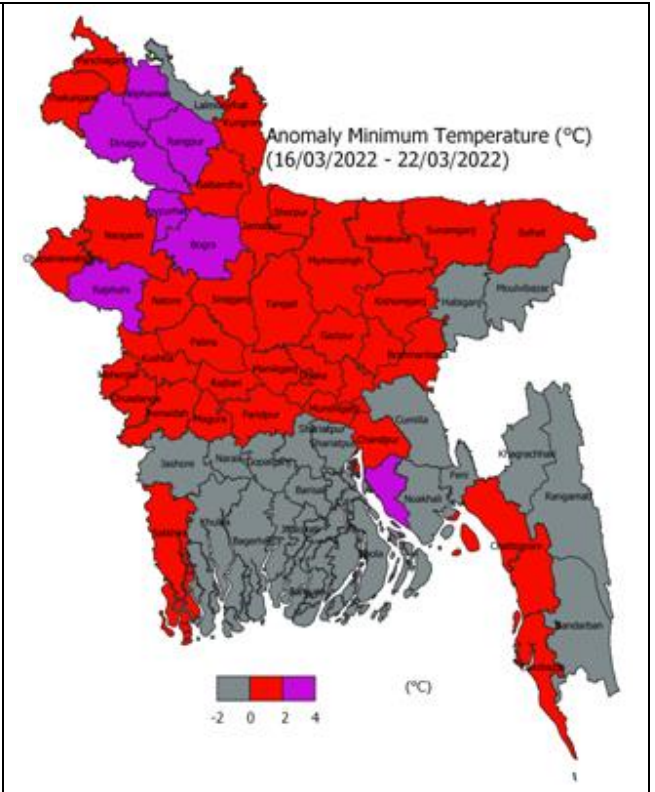
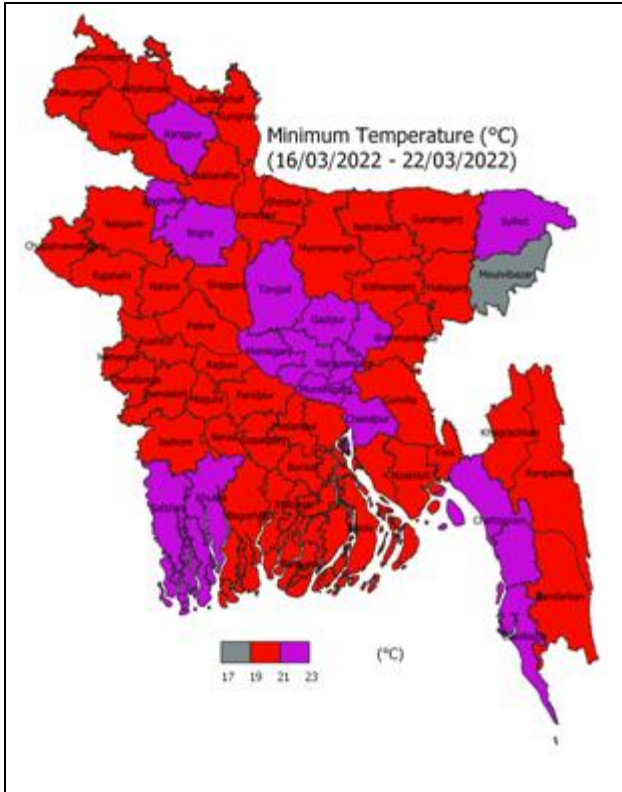
**Forecast:** Rain/thunder showers accompanied by temporary gusty wind is likely to occur at one or two places over Mymensingh, Sylhet & Chattogram divisions. Weather may remain dry with temporary partly cloudy sky elsewhere over the country.

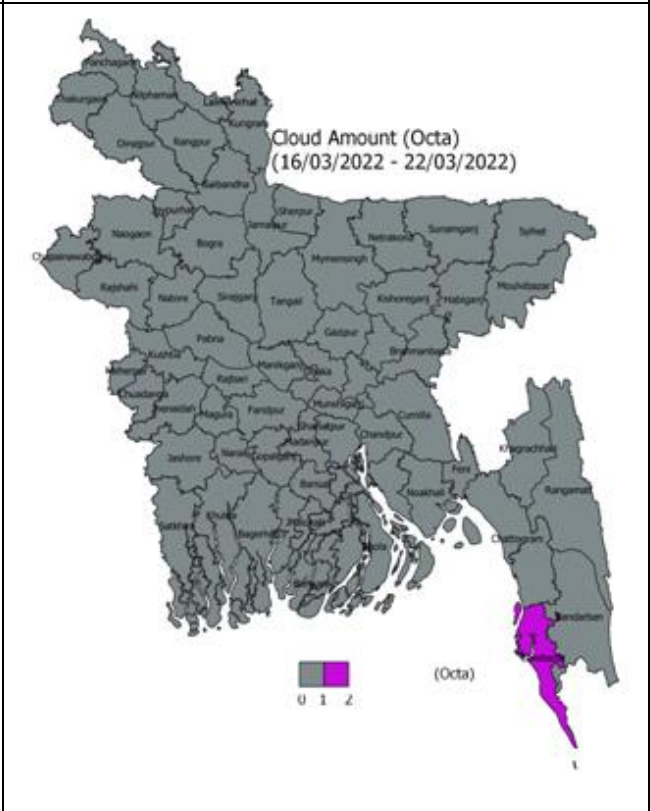
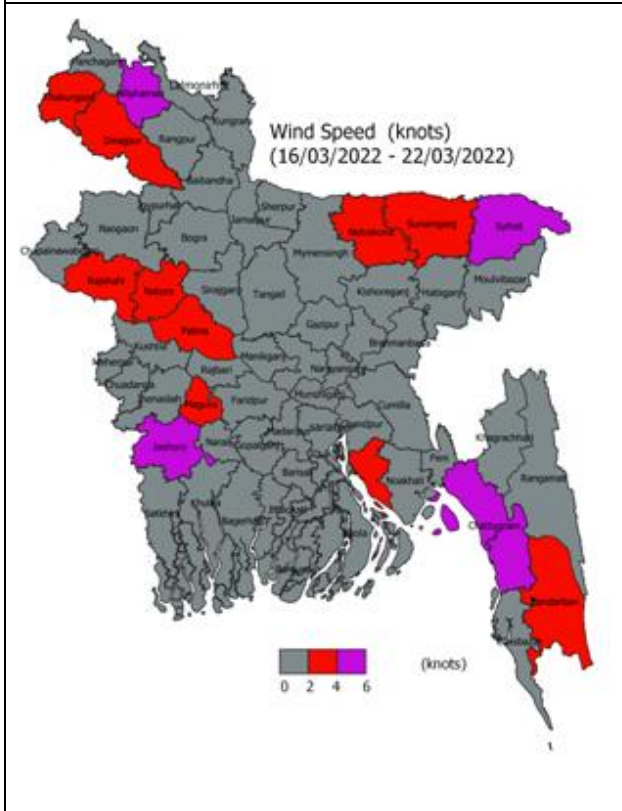
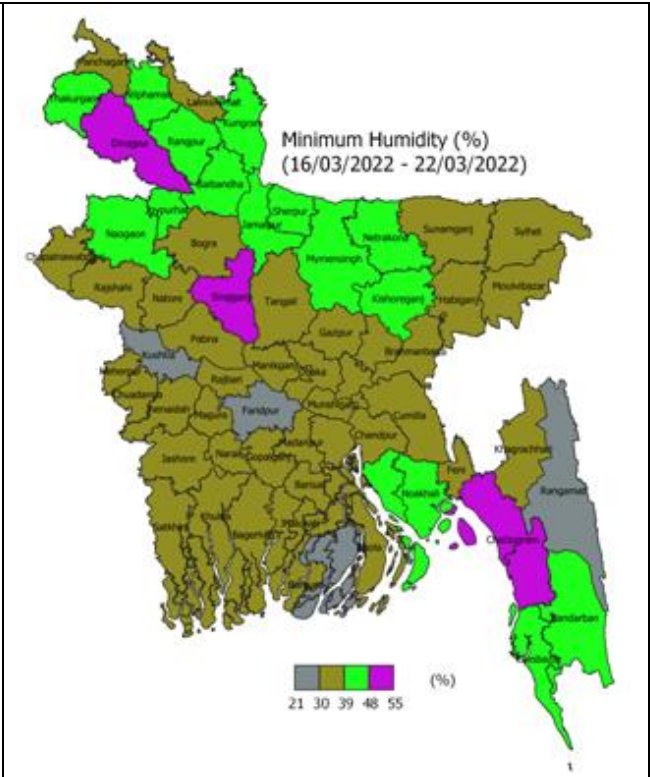
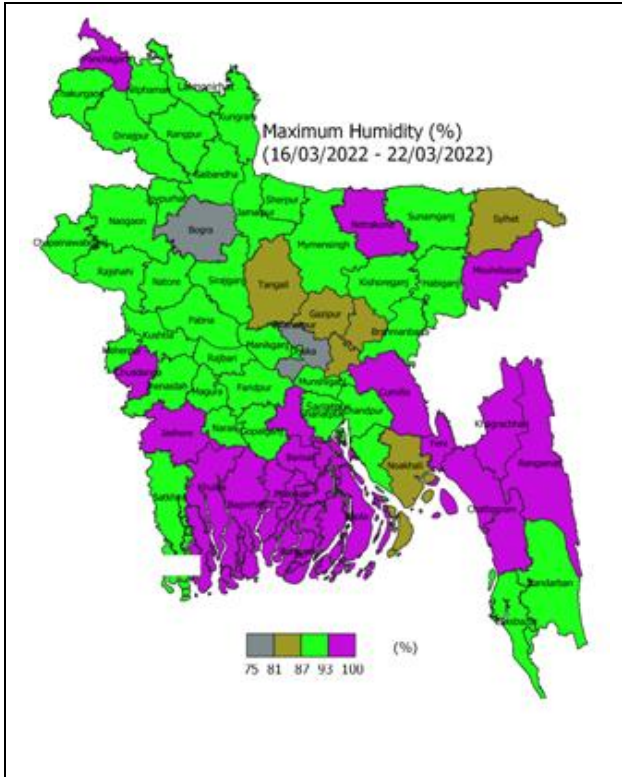
**Heat wave:** Mild heat wave is sweeping over the division of Sylhet and the districts of Rangamati & Rajshahi and it may continue.

**Temperature:** Day temperature may remain nearly unchanged and night temperature may fall slightly over the country.

## Spatial Distribution of weather parameters for the Week ending 22 March 2022







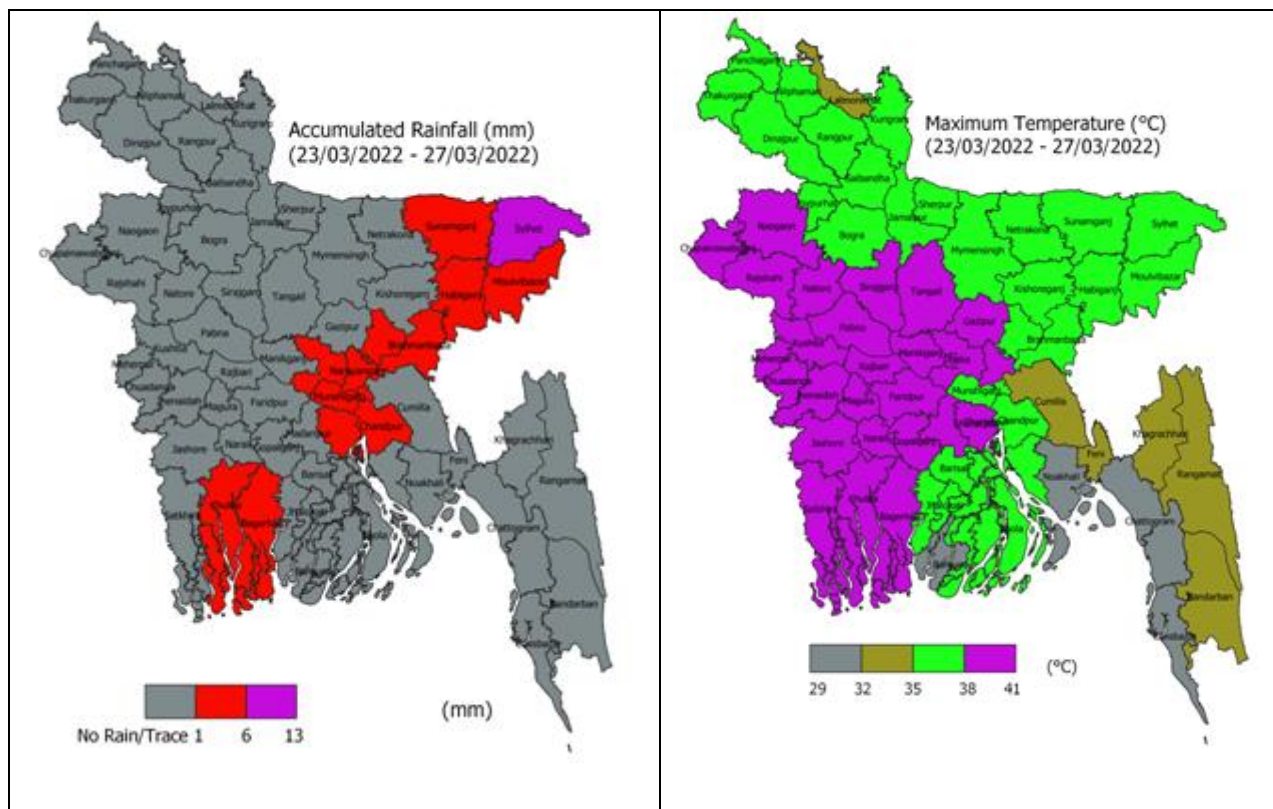


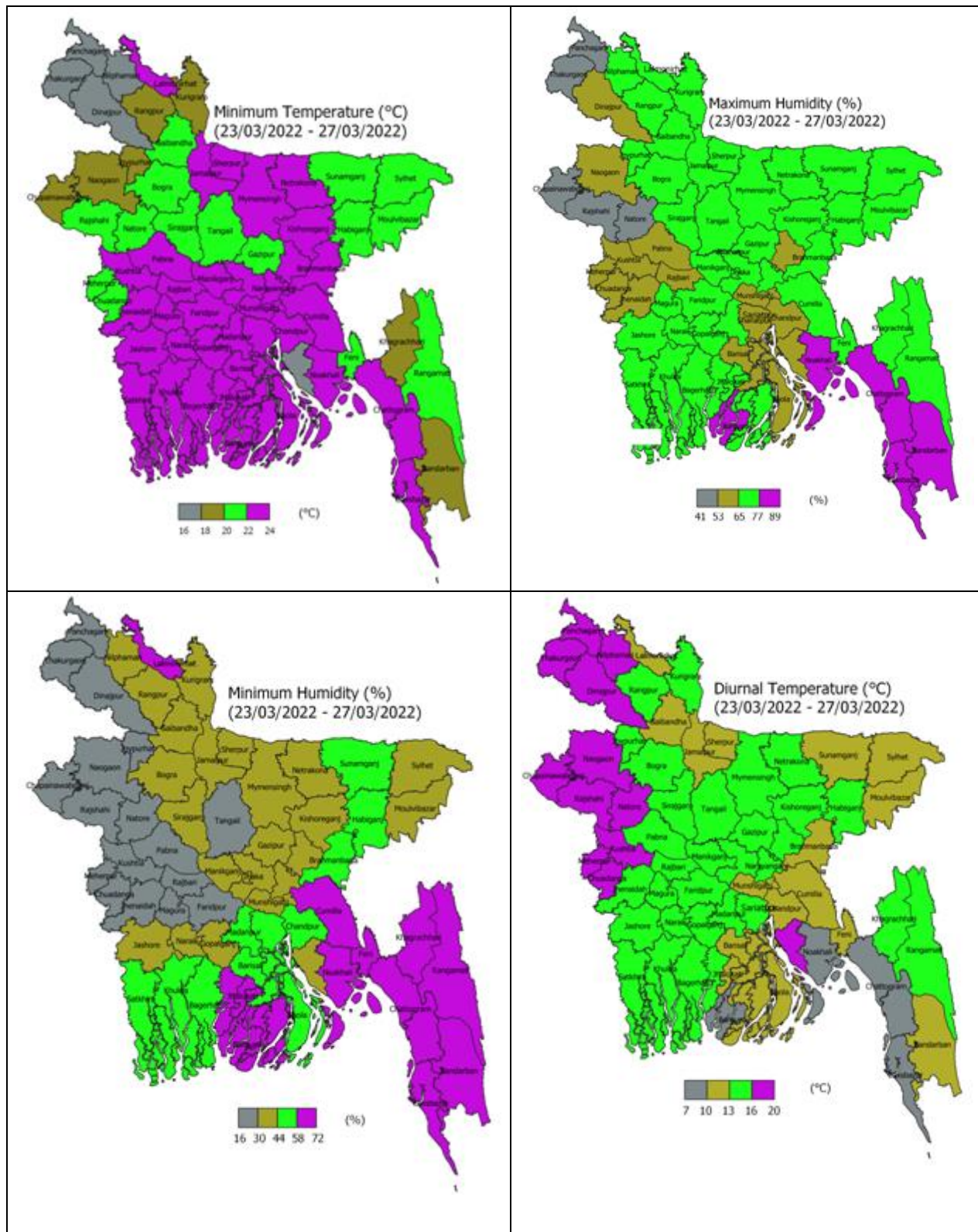
### Weather Forecast and Advisory for the Period of 22.03.2022 to 31.03.2022

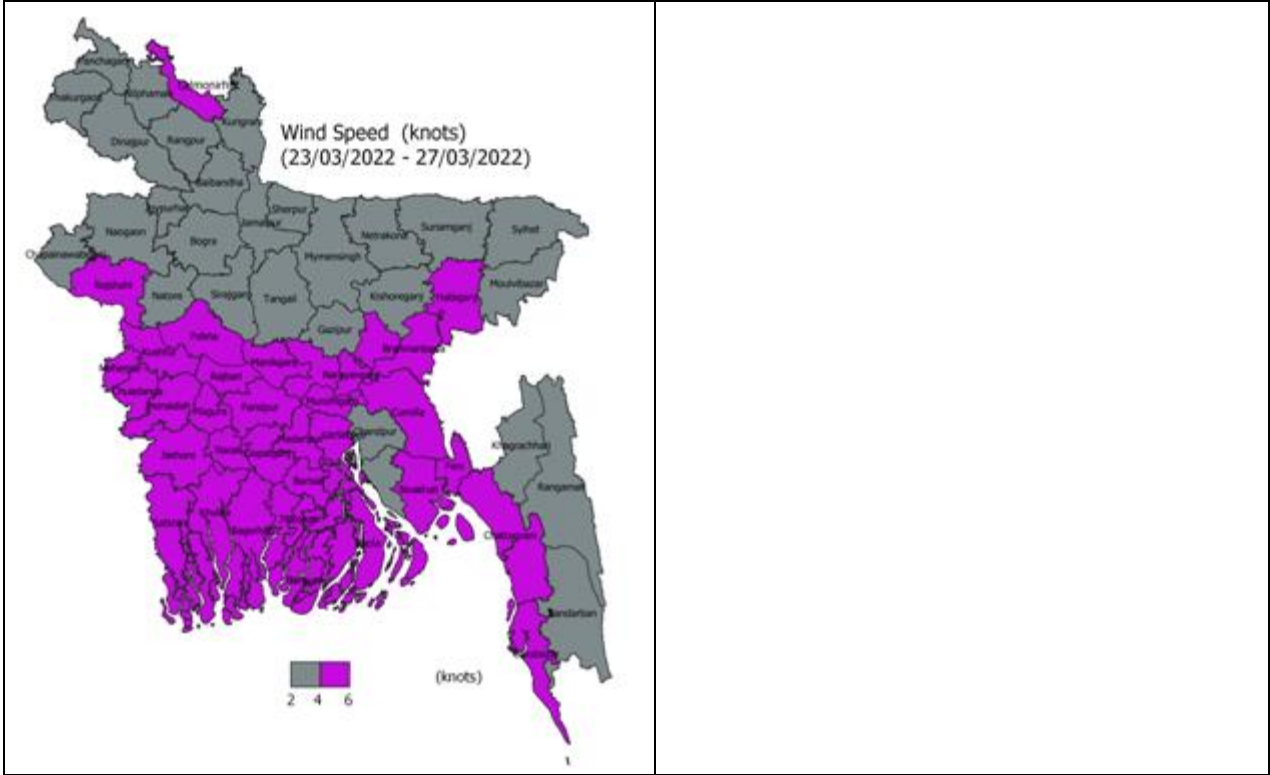
Bright sunshine hour is likely to be from 8.00 to 9.00 hours per day during this week. Average free water loss is likely to be from 3.00 to 4.00 mm per day during this week.

- Weather may remain mainly dry with temporary partly cloudy sky over the country during the 1st half of this period.
- Light (04-10 mm/day) to moderate (11-22 mm/day) rain /thunder showers accompanied by temporary gusty/squally wind associated with isolated hails is likely to occur at many places over Sylhet division, at a few places over Mymensingh division and at one or two places over Dhaka, Rajshahi, Rangpur, Khulna, Barishal & Chattogram divisions with moderately heavy (23-43 mm/day) to heavy (44-88 mm/day) falls at places over Sylhet division during the 2nd half of this period.
- Day temperature may remain nearly unchanged during the 1st half and slight fall in day temperature is expected over the country during the 2nd half of this period. Night temperature may remain nearly unchanged over the country during the period.

### **District Wise Quantitative Weather Forecast for next Five days from 23 March-27 March 2022**

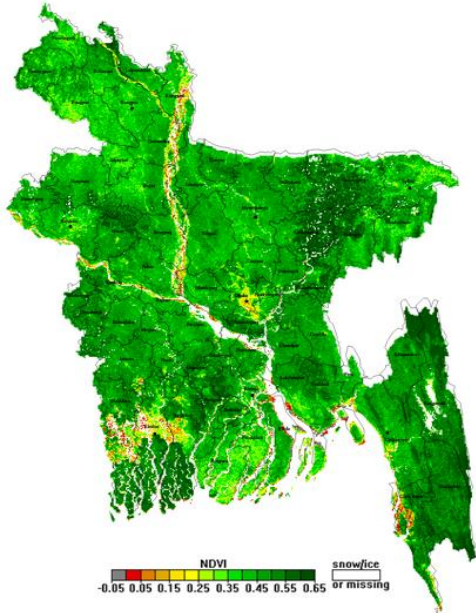




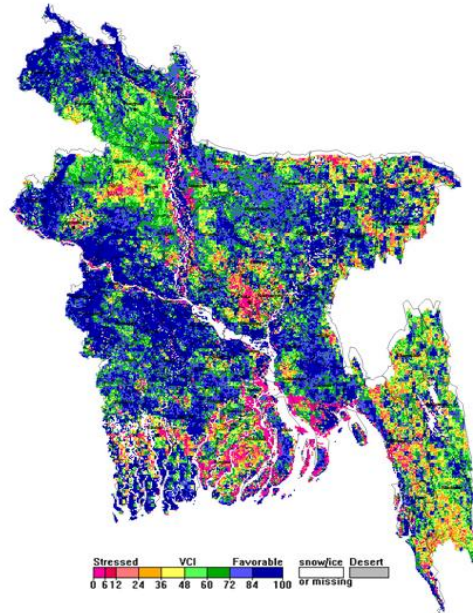


## Different Satellite Products over Bangladesh

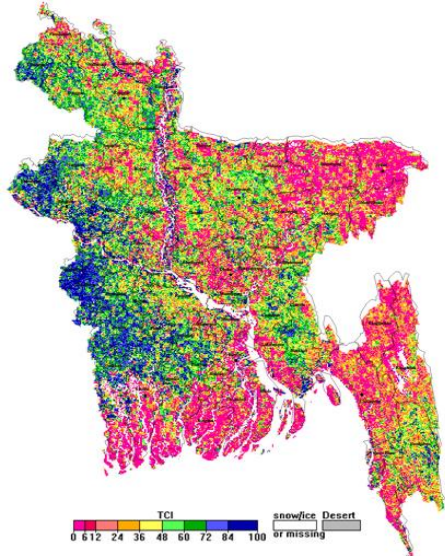
NOAA/VIIRS BLENDED NDVI composite for the week. No. 11 (12 March-18 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VCI composite for the week No. 11 (12 March-18 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED TCI composite for the week No. 11 (12 March-18 March) over Agricultural regions of Bangladesh



NOAA/ AVHRR BLENDED VHI composite for the week No. 11 (12 March-18 March) over Agricultural regions of Bangladesh

