Subject: Experimental Sub-seasonal forecast for Bangladesh during 29.03.2024 to 25.04.2024

1. Significant information

1.1 Significant Information week 1 (Period: 29.03.2024 to 04.04.2024)

- Maximum temperature is likely to be normal over the country except Sudarban region where it is likelt to be above normal. Minimum Temperature is likely to be above normal over the country except Rangpur division where it is likely to be normal to below normal. Rainfall if likely to be normal over the country but in Mymensingh region it is likely to be below normal.

1.1.1 Significant Agromet Advisories for the period: 29.o3.2024 to 04. 04.2024.

General:
- Most parts of the country will be warm and humid. Therefore, precautionary measures must be taken to counteract warm & humid situation for the next week.
- Because of worm temperature & high humidity there will be chance of pest & disease incidences on the standing crops.
- Spraying, Fertilizer application and harvesting may be done on next few days because no rain is expected.
- Most parts of the country are likely to face moisture stress condition. Thus, farmers are advised to irrigate the field.

Main Crop Advisory:
- **Rice:** Rice at panicle initiation (P.I) to flowering stage.Keep the field weed free & maintain the water level up to 2.0 cm. in the field. Be careful about fertilizer application, disease & insect pest control.
- **Jute:** keep jute field clean and weed free to avoid infestation from insect pests and diseases.
- **Vegetable crops:** Remove weeds and keep the bunds clean. Be careful about pest & disease control.

1.2 Significant Information week 2 (Period: 05.04.2024 to 11.04.2024)

- Maximum temperature is likely to be above normal over the country. Minimum Temperature is likely to be above normal over the country except Rangpur division where it is likely to be normal to below normal. Rainfall if likely to be normal to below normal over the country.

1.2.1 Significant Agromet Advisories for the period: 05.04.2024 to 11.04.2024

- Most parts of the country will be hot & humid . As a result, there will be chance of pest & disease incidences on the standing crops.

- Spraying, fertilizer application and harvesting may be done on next few days because no rain is expected.
- As hot and humid weather is prevailing during this period, farmers are advised to keep vigil for insect pests & disease control. Farmers are also advised to apply irrigation as per the crop need.
- Harvest the ripened Boro rice. After harvesting, immediately keep it in a safe and dry place for drying of grains.

## 1.3 Significant Information week 3+4 (Period: 12.04.2024 to 25.04.2024)
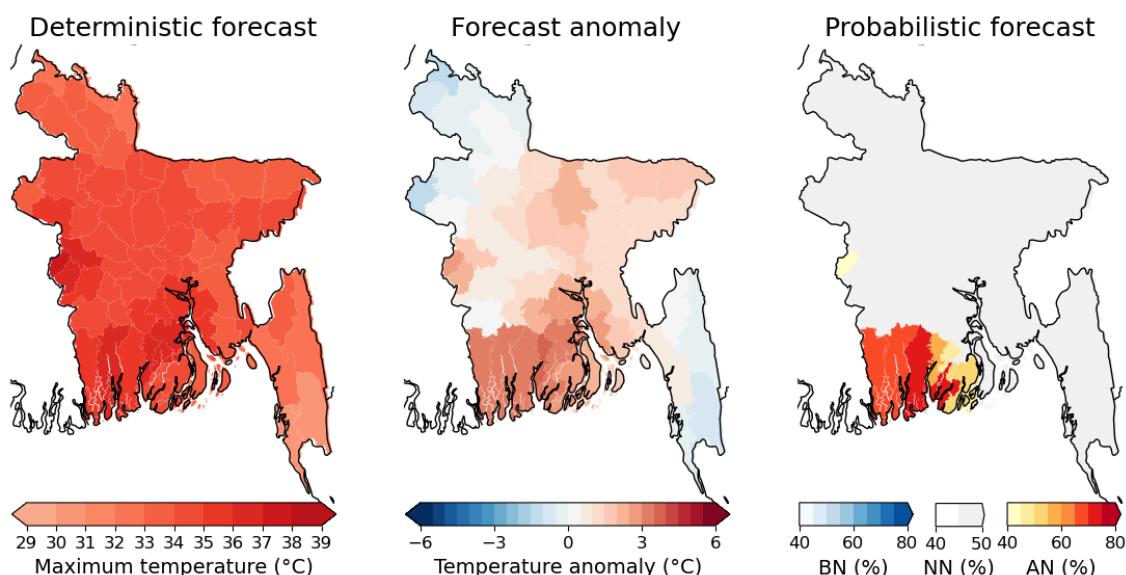
- Maximum temperature is likely to be above normal over the country. Minimum Temperature is likely to be normal to above normal over the country. Rainfall if likely to be normal to below normal over the country.

1.3.1 Significant Agromet Advisories for the period: 12.04.2024 to 25.04.2024
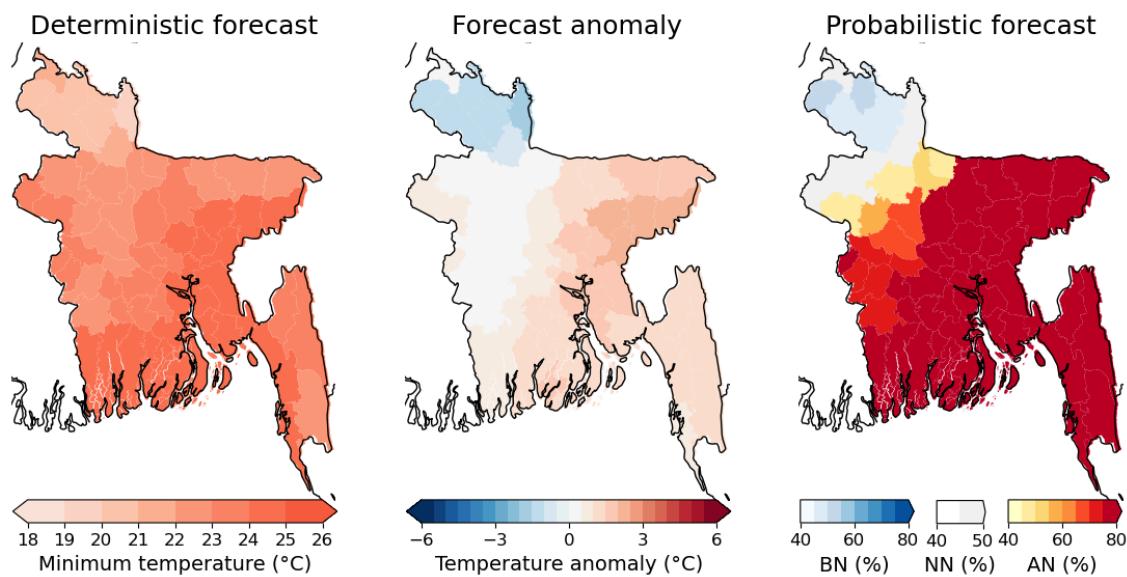
- Most parts of the hot & humid.As a result, there will be chance of pest & disease incidences on the standing crops.
- Spraying, Fertilizer application and harvesting may be done on next few days because no rain is expected.
- Remove weeds and keep the bunds clean on vegetable crops. Be careful about pest & disease control.
- Most parts of the country are likely to face moisture stress condition. Thus, farmers are advised to irrigate the field.

2. Weather Forecast for week 1 (Period: 29.03.2024 to 04.04.2024)
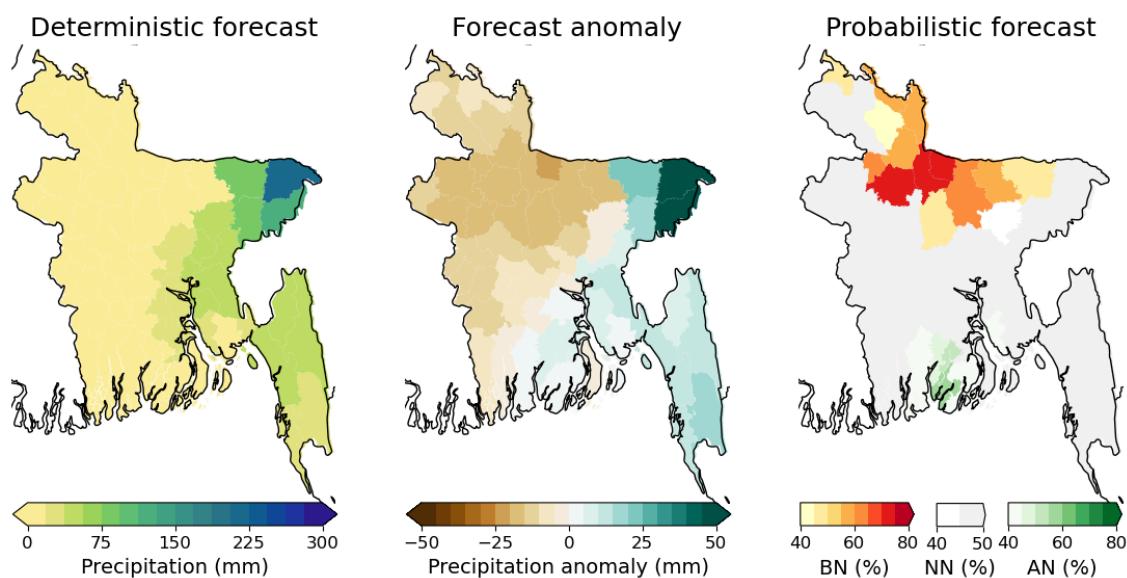
2.1 Weekly Average Maximum Temperature

2.2 Weekly Average Minimum Temperature

2.3 Weekly Rainfall Sum

2.4 Forecast information at District level

| Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Deterministic	Anomaly	Probabilistic (BN/NN/AN)	Deterministic	Anomaly	Probabilistic (BN/NN/AN)	Deterministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	34	1	0/88/12	24	1	0/9/91	29	-8	17/77/6
	Faridpur	34	1	0/89/11	23	1	0/9/90	16	-8	24/68/8
	Gazipur	34	2	0/82/18	24	2	0/11/89	24	-14	19/74/7
	Gopalganj	35	2	0/86/14	24	1	0/4/96	16	-2	24/57/18
	Kishoreganj	34	1	2/81/16	24	2	0/5/95	49	-5	37/44/20
	Madaripur	36	3	0/82/18	24	1	0/4/95	24	0	19/62/19
	Manikganj	34	1	0/90/10	23	1	0/17/83	15	-11	24/73/3
	Munshiganj	35	2	0/87/13	24	2	0/3/97	32	-4	17/69/14
	Narayanganj	34	2	0/86/14	24	2	0/3/97	48	5	17/66/18
	Narsingdi	34	1	2/84/13	24	2	0/5/95	45	-2	17/65/18
	Rajbari	34	1	0/86/14	23	0	1/24/75	13	-9	25/73/1
	Shariatpur	36	3	0/80/20	24	2	0/2/98	28	2	17/61/22
Rajshahi	Bogra	34	1	0/90/10	23	0	6/49/45	0	-18	74/26/0
	Joypurhat	34	0	0/93/7	22	0	7/70/23	0	-15	62/36/2
	Naogaon	34	0	0/95/5	22	0	12/65/23	5	-15	39/59/2
	Natore	35	1	0/87/13	23	0	0/41/59	7	-15	40/60/0
	Nawabganj	33	-1	0/95/5	24	1	17/53/30	9	-14	29/69/2
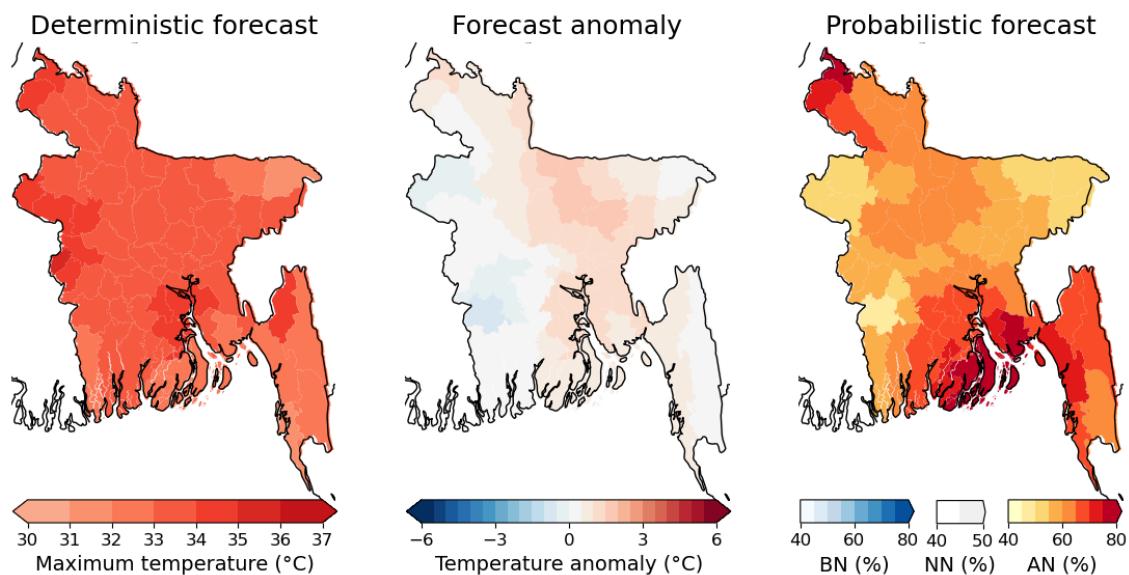
| Division	District								
	Pabna	35	1	0/83/17	23	0	0/33/67	9	-12	28/71/1
	Rajshahi	35	0	0/89/11	23	1	0/53/47	10	-18	36/62/2
	Sirajganj	35	1	0/83/17	23	0	0/31/69	3	-18	40/60/0
Rangpur	Dinajpur	33	0	0/95/5	21	-1	48/39/14	0	-11	26/69/5
	Gaibandha	33	0	0/88/12	21	-1	24/56/20	0	-16	59/39/2
	Kurigram	32	0	0/83/17	20	-2	40/48/12	0	-11	56/37/7
	Lalmonirhat	33	0	0/79/21	20	-1	46/49/5	4	-9	55/38/7
	Nilphamari	33	0	0/86/14	20	-1	51/46/4	5	-8	40/51/10
	Panchagarh	32	-1	0/71/29	22	0	36/56/8	2	-11	47/53/0
	Rangpur	33	0	0/95/5	20	-1	46/43/12	0	-11	43/50/7
	Thakurgaon	33	-1	0/76/24	20	-1	53/41/6	5	-7	23/73/5
Mymen-singh	Jamalpur	35	1	0/85/15	22	0	8/40/52	0	-20	71/26/2
	Mymen-singh	35	2	0/66/34	23	1	5/15/80	10	-19	64/31/5
	Netrakona	33	1	5/86/9	23	1	10/15/76	17	-16	57/36/7
	Sherpur	34	1	0/79/21	22	0	11/41/49	2	-22	71/27/2
Chittagong	Bandarban	31	-1	31/60/10	23	1	0/0/100	31	15	4/68/28
	Brahamanbaria	34	1	2/83/15	24	2	0/1/99	52	8	15/67/19
	Chandpur	35	2	0/79/21	24	2	0/1/99	38	7	17/49/34
	Chittagong	32	1	17/79/5	24	1	0/0/100	38	14	8/72/20
	Comilla	34	1	2/83/15	24	2	0/1/99	48	14	14/56/30
	Cox's Bazar	30	0	34/50/17	25	1	0/0/100	22	11	12/62/27
	Feni	34	1	17/74/10	24	1	0/0/100	33	14	7/62/31
	Khagrachhari	34	0	17/80/2	24	1	0/0/100	39	8	7/77/16
	Lakshmipur	35	3	2/78/20	24	2	0/1/99	25	8	7/52/41
	Noakhali	34	2	2/88/10	25	1	0/0/100	19	5	7/64/29
	Rangamati	32	0	18/82/0	23	1	0/0/100	39	12	5/76/19
Khulna	Bagerhat	36	3	0/29/71	25	1	0/0/100	7	1	13/46/41
	Chuadanga	37	2	0/68/32	23	0	0/27/73	5	-12	34/66/0
	Jessore	34	0	7/84/9	23	0	1/25/74	2	-11	37/59/4
	Jhenaidah	35	1	0/86/14	23	0	1/29/70	8	-13	35/65/0
	Khulna	36	3	0/32/68	24	1	0/1/99	3	-4	20/57/23
	Kushtia	36	2	0/68/32	23	0	0/28/72	10	-11	30/67/3
	Magura	34	1	0/91/9	23	0	1/19/80	11	-9	25/73/2
	Meherpur	38	3	0/57/43	24	1	0/20/80	5	-12	39/61/0
	Narail	35	1	0/91/9	23	1	1/12/87	8	-6	25/60/15
	Satkhira	36	3	0/31/69	24	1	0/2/98	0	-8	32/54/13
Barisal	Barguna	35	3	0/26/74	25	2	0/0/100	9	3	12/28/60
	Barisal	36	3	0/71/29	24	1	0/1/99	20	6	14/49/37
	Bhola	34	2	0/69/31	25	1	0/0/100	9	0	10/65/24
	Jhalokati	37	3	0/53/47	24	1	0/1/99	19	8	12/37/50
	Patuakhali	34	3	0/45/55	25	1	0/0/100	8	1	11/45/44
	Pirojpur	37	4	0/41/59	24	1	0/0/100	15	7	14/40/46
Sylhet	Habiganj	34	1	12/82/6	25	2	0/0/100	76	18	23/56/20
	Maulvibazar	34	1	12/88/0	25	2	0/0/100	114	49	22/53/25
	Sunamganj	34	2	5/92/3	23	2	7/13/79	89	23	46/42/12
	Sylhet	33	2	12/88/0	23	2	0/12/88	210	114	28/48/24

2.5 Guidance
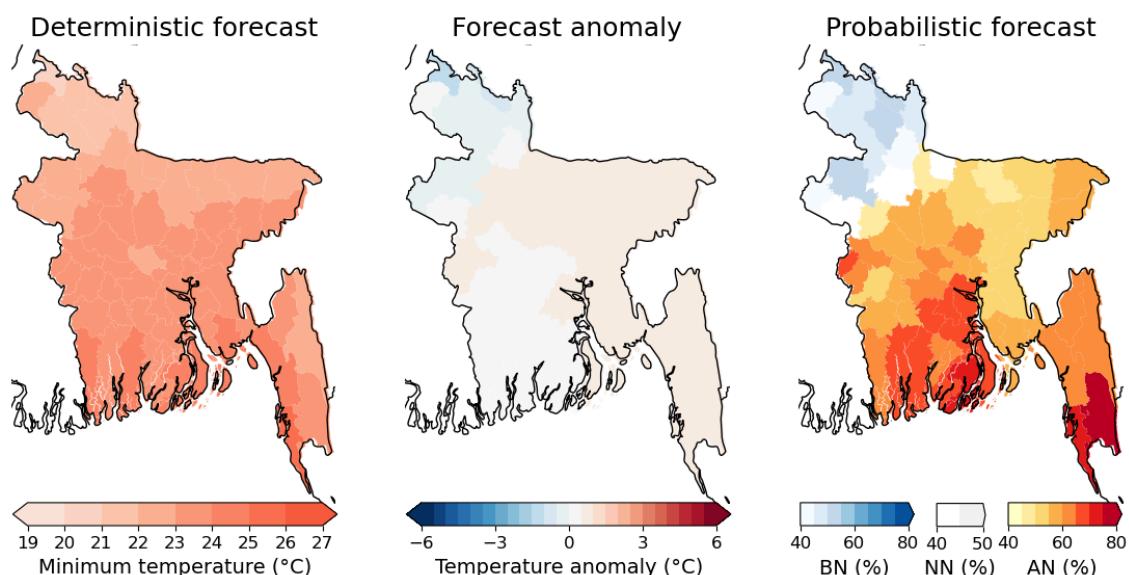
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3. Weather Forecast for week 2 (Period: 05.04.2024 to 11.04.2024)

3.1 Weekly Average Maximum Temperature

Deterministic forecast

Maximum temperature (°C)
30 31 32 33 34 35 36 37

Forecast anomaly

Temperature anomaly (°C)
−6 −3 0 3 6

Probabilistic forecast

BN (%) 40 60 80 NN (%) 40 50 AN (%) 40 60 80

3.2 Weekly Average Minimum Temperature

Deterministic forecast

Minimum temperature (°C)
19 20 21 22 23 24 25 26 27

Forecast anomaly

Temperature anomaly (°C)
−6 −3 0 3 6

Probabilistic forecast

BN (%) 40 60 80 NN (%) 40 50 AN (%) 40 60 80

3.3 Weekly Rainfall Sum

Deterministic forecast

Precipitation (mm)
0 20 40 60 80

Forecast anomaly

Precipitation anomaly (mm)
−50 −25 0 25 50

Probabilistic forecast

BN (%) 40 60 80 NN (%) 40 50 AN (%) 40 60 80

3.4 Forecast information at District level

Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Deterministic	Anomaly	Probabilistic (BN/NN/AN)	Deterministic	Anomaly	Probabilistic (BN/NN/AN)	Deterministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	34	1	7/32/61	23	0	15/25/60	35	11	52/47/0
	Faridpur	33	0	7/33/60	23	0	13/27/60	38	17	49/48/3
	Gazipur	34	1	5/36/59	23	1	21/19/61	33	9	57/43/0
	Gopalganj	34	0	7/26/67	23	0	13/21/66	28	8	48/47/5
	Kishoreganj	34	2	7/38/55	23	1	27/22/51	37	3	62/38/0
	Madaripur	34	1	7/26/67	24	1	15/17/68	28	10	49/47/4
	Manikganj	33	0	7/33/60	23	0	14/25/61	32	10	51/48/1
	Munshiganj	34	1	7/29/64	23	1	15/19/66	36	13	54/45/1
	Narayanganj	34	1	7/32/61	23	1	20/25/55	38	11	60/40/0
	Narsingdi	34	1	5/39/57	23	1	22/27/51	33	7	62/38/0
	Rajbari	33	0	10/32/59	23	0	15/26/59	37	15	47/52/1
	Shariatpur	34	1	7/26/67	24	1	14/19/67	33	12	48/49/3
Rajshahi	Bogra	34	1	2/38/60	23	1	33/33/34	15	5	67/29/3
	Joypurhat	34	0	2/35/63	22	0	45/31/23	15	3	66/27/7
	Naogaon	34	0	10/37/53	22	0	52/28/20	13	1	62/29/9
	Natore	34	0	10/29/62	23	1	23/27/50	24	10	57/35/8
	Nawabganj	34	0	12/35/53	22	0	43/30/27	16	5	61/29/11
	Pabna	34	0	10/30/60	23	0	21/24/55	30	13	49/46/4
	Rajshahi	35	0	12/36/52	23	0	33/33/34	17	4	55/37/9
	Sirajganj	34	1	5/33/62	23	1	17/26/57	17	3	59/38/3
Rangpur	Dinajpur	34	0	2/32/65	22	0	47/31/22	16	-1	71/22/8
	Gaibandha	34	1	2/33/65	22	0	44/25/30	15	2	67/30/2
	Kurigram	33	1	2/35/63	21	0	49/25/27	15	-3	69/26/5
	Lalmonirhat	34	1	2/33/64	21	-1	50/32/17	21	-5	72/23/5
	Nilphamari	34	1	2/33/65	21	0	46/38/16	23	-4	72/20/8
	Panchagarh	34	1	2/21/76	21	-1	52/31/17	33	-9	76/19/5
	Rangpur	33	1	2/34/63	22	0	50/28/22	18	-2	70/23/7
	Thakurgaon	34	1	2/23/75	22	0	44/40/16	23	2	72/18/10
Mymen-singh	Jamalpur	34	1	2/35/63	23	1	36/19/45	20	6	66/32/2
	Mymen-singh	34	2	2/37/60	23	1	34/16/50	37	10	65/35/0
	Netrakona	33	1	10/35/56	23	1	35/17/47	30	-1	65/35/0
	Sherpur	34	2	2/37/60	23	1	37/25/38	27	7	68/29/2
Chittagong	Bandarban	32	0	4/33/63	23	1	3/19/77	17	-5	55/33/12
	Brahamanbaria	34	1	5/36/59	23	1	22/27/51	34	1	56/43/0
	Chandpur	34	1	5/30/66	24	1	14/32/54	33	8	53/47/0
	Chittagong	32	1	2/23/74	24	1	7/28/65	29	-2	44/52/5
	Comilla	34	1	5/33/63	23	1	17/33/51	31	0	57/42/0
	Cox's Bazar	32	1	4/28/68	25	1	5/22/74	10	-6	54/36/10
	Feni	34	1	2/29/69	24	1	14/30/56	29	-6	49/50/1
	Khagrachhari	34	1	2/31/66	24	1	10/26/65	48	6	45/53/2
	Lakshmipur	34	1	5/23/72	24	1	12/31/57	20	-5	49/49/2
	Noakhali	32	1	2/22/75	24	1	10/32/59	16	-7	42/56/2
	Rangamati	33	0	2/32/66	23	1	7/29/64	46	9	52/44/4
Khulna	Bagerhat	33	0	7/23/69	24	0	8/24/68	23	10	39/57/5
	Chuadanga	35	0	14/30/56	24	1	12/26/61	22	5	44/43/13
	Jessore	33	-1	17/35/48	23	0	17/26/56	20	4	40/50/10
	Jhenaidah	34	0	12/32/56	23	0	17/29/55	35	8	43/47/10
	Khulna	33	0	10/30/60	24	0	11/24/65	27	14	39/55/6
	Kushtia	35	0	10/31/59	24	1	12/27/61	26	9	49/46/5
	Magura	33	0	12/33/55	23	0	16/28/55	38	15	47/48/5
	Meherpur	35	0	14/28/58	24	1	11/24/65	19	5	47/45/8
	Narail	33	0	10/34/56	23	0	15/26/59	24	7	44/51/5
	Satkhira	33	0	14/26/59	24	0	8/30/62	29	15	31/55/14
Barisal	Barguna	33	1	5/22/73	24	0	10/21/70	14	1	32/55/12
	Barisal	34	1	7/24/68	23	0	12/20/68	30	10	42/53/5
	Bhola	32	1	2/21/77	24	1	7/23/69	15	-7	41/56/4
	Jhalokati	34	1	5/24/71	23	0	10/26/65	34	17	41/54/6
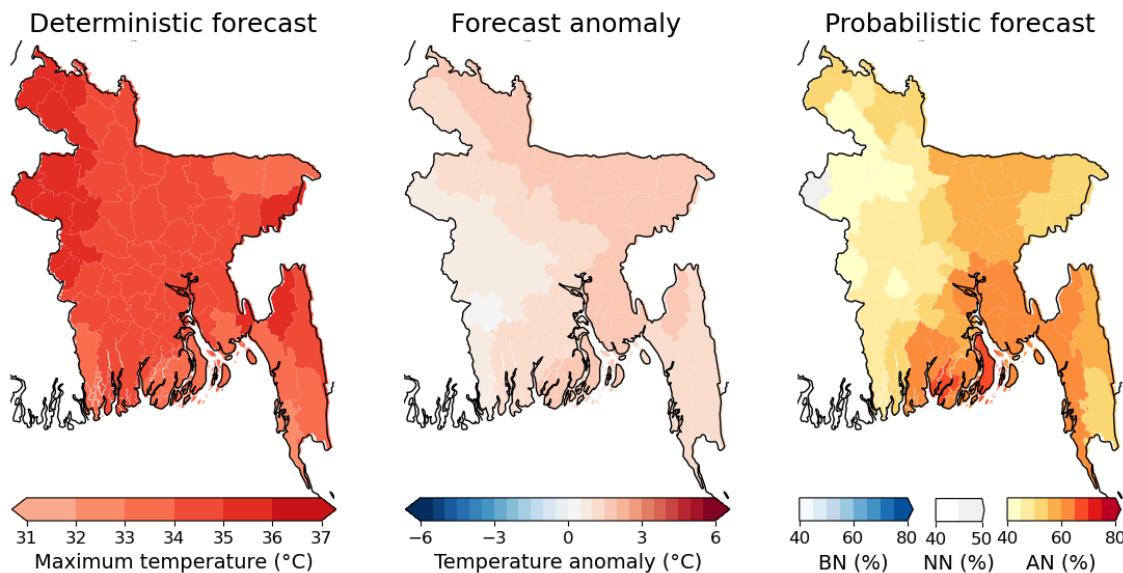
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	Patuakhali	32	1	5/19/76	24	0	7/23/70	12	-2	31/60/8
	Pirojpur	34	1	5/26/69	24	0	10/26/64	27	13	45/49/6
Sylhet	Habiganj	34	1	7/36/57	23	1	20/26/54	49	-3	59/41/0
	Maulvibazar	34	1	5/42/53	23	1	16/24/60	36	-19	58/41/1
	Sunamganj	32	1	10/36/54	22	1	25/24/51	37	-16	61/39/0
	Sylhet	32	0	5/44/51	22	1	22/20/58	44	-29	58/41/1

3.5 Guidance
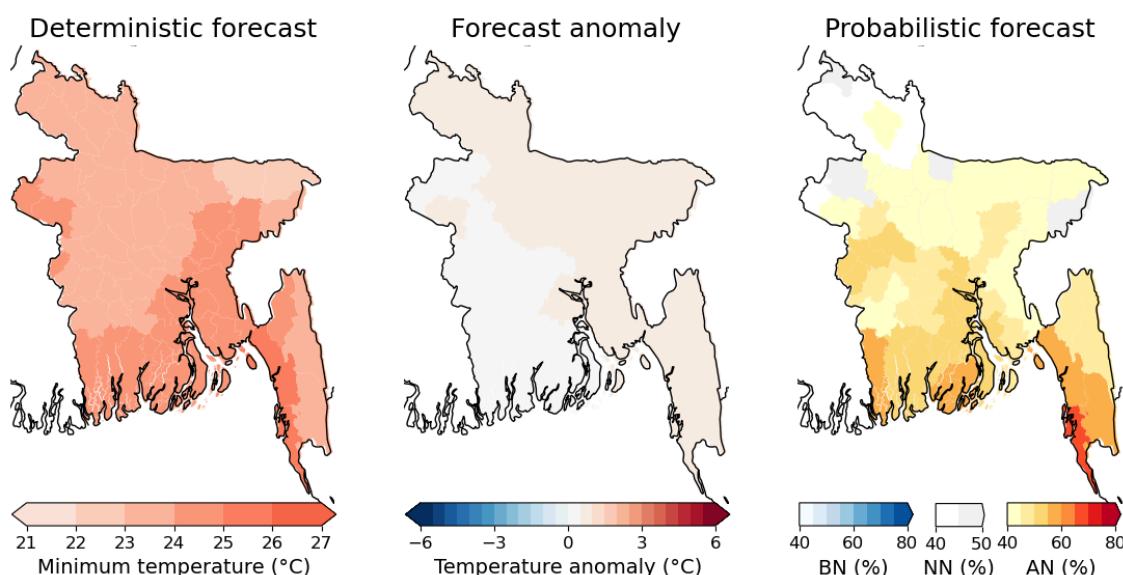
- Add here the text for guidance.

## 4. Weather Outlook for week 3+4 (Period: 12.04.2024 to 25.04.2024)
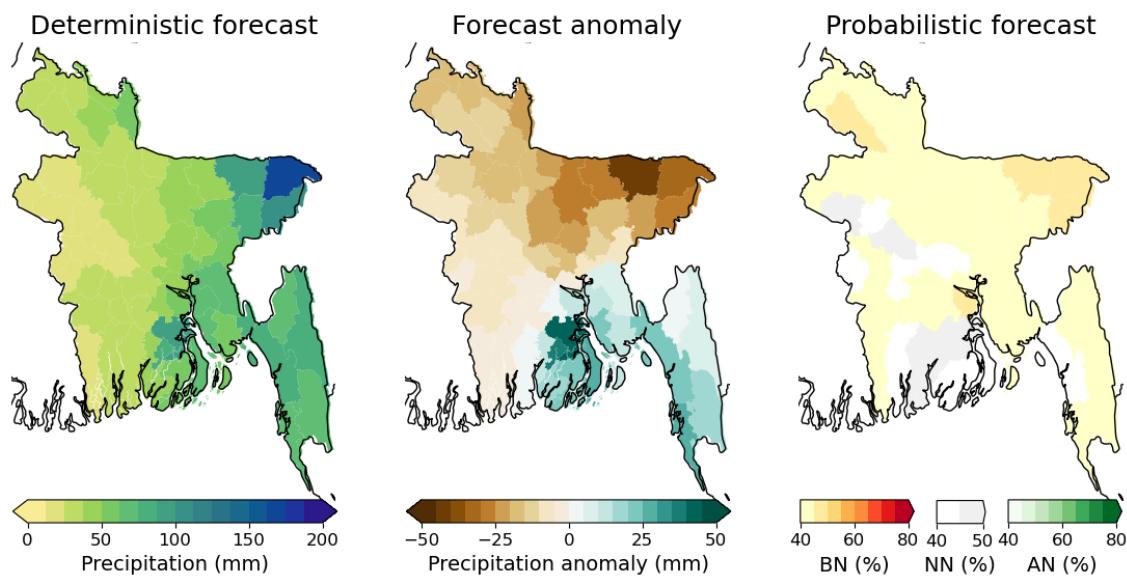
4.1 Two-weekly Average Maximum Temperature

4.2 Two-weekly Average Minimum Temperature

4.3 Two-weekly Rainfall Sum

Deterministic forecast	Forecast anomaly	Probabilistic forecast

4.4 Forecast information at District level

Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Determin istic	Anomaly	Probabilistic (BN/NN/AN)	Determin istic	Anomaly	Probabilistic (BN/NN/AN)	Determin istic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	34	1	23/24/53	24	0	12/36/52	38	-17	39/43/18
	Faridpur	35	1	19/33/48	24	0	14/39/46	27	-5	41/36/23
	Gazipur	34	1	21/21/58	24	1	17/39/45	38	-21	41/40/19
	Gopalganj	35	1	23/27/50	24	0	14/38/48	36	-2	44/37/19
	Kishoreganj	35	2	13/31/56	24	1	14/40/46	51	-17	43/40/17
	Madaripur	35	1	22/21/57	24	1	12/37/50	45	0	43/35/21
	Manikganj	34	1	23/31/46	24	0	14/40/45	28	-12	38/44/18
	Munshiganj	35	1	19/21/60	24	1	14/33/53	49	-3	44/34/22
	Narayanganj	35	1	15/23/61	24	1	18/35/47	54	-9	42/36/22
	Narsingdi	34	1	15/25/60	24	1	19/36/46	43	-14	41/42/18
	Rajbari	34	1	18/37/45	24	0	15/39/45	22	-7	39/42/19
	Shariatpur	35	1	16/22/61	24	1	12/35/53	58	11	48/29/23
Rajshahi	Bogra	35	1	11/45/44	24	1	11/45/44	32	-18	41/38/21
	Joypurhat	35	1	12/46/42	24	0	16/41/43	31	-18	41/45/14
	Naogaon	35	1	16/43/41	24	0	19/46/35	23	-13	43/43/14
	Natore	35	1	15/40/45	24	0	9/42/50	18	-12	39/44/17
	Nawabganj	36	1	19/45/36	24	0	38/27/35	19	-8	40/44/16
	Pabna	35	1	15/39/46	24	0	11/36/53	20	-9	36/48/15
	Rajshahi	35	1	16/41/44	24	1	13/43/44	21	-9	38/49/13
	Sirajganj	35	1	19/36/45	24	1	8/49/43	29	-15	41/41/19
Rangpur	Dinajpur	35	1	12/44/45	24	1	27/33/40	35	-15	45/40/15
	Gaibandha	35	2	11/44/45	24	1	19/42/39	36	-16	43/42/15
	Kurigram	35	2	13/32/55	23	1	31/31/39	51	-21	40/39/20
	Lalmonirhat	35	2	13/33/54	23	1	35/32/33	49	-16	41/40/19
	Nilphamari	35	2	13/37/49	23	1	35/33/32	37	-17	42/43/16
	Panchagarh	35	2	15/32/53	23	1	21/50/29	36	-17	42/36/22
	Rangpur	35	2	12/36/52	23	1	30/30/40	44	-14	43/39/18
	Thakurgaon	35	1	14/34/52	24	1	19/43/38	32	-19	41/43/16
Mymen-si ngh	Jamalpur	35	2	10/41/49	24	1	10/49/42	31	-19	42/40/18
	Mymen-sin gh	34	2	12/29/59	24	1	12/44/44	40	-27	43/38/19
	Netrakona	34	2	14/29/57	23	1	12/45/43	46	-25	45/30/25
	Sherpur	35	2	10/34/56	23	1	14/47/39	36	-22	41/38/20
Chittagon g	Bandarban	33	1	12/35/53	24	1	9/34/56	63	15	43/30/27
	Brahamanb aria	34	2	15/26/59	24	1	19/38/43	59	-7	43/35/22
	Chandpur	35	2	12/25/62	24	1	12/41/46	64	13	42/30/28
	Chittagong	33	1	11/27/63	25	1	13/30/57	77	21	40/30/31
	Comilla	35	2	13/26/61	24	1	16/41/43	70	10	42/34/24

	Cox's Bazar	32	1	12/24/64	26	1	9/25/66	67	26	44/31/25
	Feni	35	2	14/23/63	25	1	11/47/42	82	21	42/33/25
	Khagrachhari	36	2	15/24/60	25	1	12/39/48	71	2	43/26/31
	Lakshmipur	35	2	12/23/65	25	1	12/36/51	66	20	40/36/24
	Noakhali	34	2	11/25/64	25	1	13/38/48	54	15	42/33/26
	Rangamati	34	1	13/31/56	24	1	12/39/50	76	8	41/30/29
Khulna	Bagerhat	34	1	12/28/60	25	0	15/33/52	30	1	33/49/18
	Chuadanga	35	1	20/39/42	24	0	11/34/55	22	-4	39/40/21
	Jessore	35	0	22/32/46	24	0	11/45/43	27	-6	42/35/23
	Jhenaidah	35	1	21/33/45	24	0	13/42/45	27	-7	41/38/21
	Khulna	34	1	16/32/52	24	0	12/35/53	27	-1	40/41/19
	Kushtia	35	1	16/38/46	24	0	12/35/53	20	-7	40/42/18
	Magura	35	1	21/34/44	24	0	16/43/42	26	-8	36/41/22
	Meherpur	36	1	14/43/43	24	0	10/35/55	19	-6	40/41/19
	Narail	35	1	25/28/47	24	0	13/41/45	28	-4	42/36/22
	Satkhira	34	1	16/34/50	24	0	12/32/56	22	-2	42/34/24
Barisal	Barguna	34	2	12/23/66	24	0	17/27/55	49	18	34/45/21
	Barisal	35	1	13/27/59	24	0	12/37/51	88	41	37/45/18
	Bhola	33	2	12/22/65	25	0	13/33/54	71	29	38/40/21
	Jhalokati	35	1	14/26/60	24	0	14/35/50	80	36	35/48/17
	Patuakhali	34	2	12/24/64	25	0	15/29/55	59	23	33/43/23
	Pirojpur	35	1	13/27/60	24	0	14/36/50	50	13	35/46/19
Sylhet	Habiganj	35	2	17/30/53	24	1	12/47/41	86	-24	44/35/21
	Maulvibazar	35	2	14/34/51	24	1	13/51/36	111	-26	45/32/23
	Sunamganj	34	2	16/27/57	23	1	12/45/43	89	-41	46/33/20
	Sylhet	34	2	16/31/53	23	1	14/45/40	167	-31	48/27/24

4.5 Guidance

- Add here the text for guidance.

Forecast legend

Rainfall category	Amounts of rainfall
- Light rain - Moderate rain - Moderately Heavy - Heavy rain - Very heavy rain	2-20 mm/day 22-22 mm/day 23-43 mm/day Heavy rain: 44-88 mm/day Very heavy rain: ≥ 89 mm/day
Probabilistic values - AN (%) - NN (%) - BN (%)	This value represents the chance that the forecast will with respect to the climatology, divided into three categories: Above normal (likelihood in percent) Near normal (likelihood in percent) Below normal (likelihood in percent)
- Anomaly	The difference between the deterministic value and the climatology (Climatology = Deterministic - Anomaly)