



Weather Impact



Issue Date: 10 May 2024

## Subject: Experimental Sub-seasonal forecast for Bangladesh during 10.05.2024 to 06.06.2024

### 1. Significant information

#### 1.1 Significant Information week 1 (Period: 10.05.2024 to 16.05.2024)

- Maximum temperature is likely to be below normal over western part of Bangladesh and normal to above normal elsewhere over the country. Minimum temperature is likely to be normal to below normal over the country except northern tip of the country where it is likely to be above normal. Rainfall is likely to be above normal over south-western part of the country but in the rest part of the country it is likely to be normal to below normal.

##### 1.1.1 Significant agromet advisories for the period: 10.05.2024 to 16.05.2024.

- *There seems to be possibility of light rainfall during this period. Most parts of the country will be worm & 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 light rainfall or no rainfall is expected.*
- *Aus Paddy has either in seedbed or may be transplanted to the main field particularly where it has started little early. In this situation, water is required both in the seed bed and in the main field.*
- *Those who have sown Jute crop between last week of March to first week of April apply one light irrigation followed by weeding and thinning. After weeding and thinning, apply top dressing of Nitrogen fertilizer.*

#### 1.2 Significant Information week 2 (Period: 17.05.2024 to 23.05.2024)

- Maximum and minimum temperature is likely to be normal to above normal over the country. Rainfall is likely to be below normal over the country.

##### 1.2.1 Significant agromet advisories for the period: 17.05.2024 to 23.05.2024.

- *No rainfall is expected during this period.*
- *Most parts of the country will be worm & humid. As a result, there will be chance of pest and disease incidences on the standing crops.*
- *Keep vigilance for insect pests and diseases attack and follow proper control measures. Farmer are advised to spray pesticides, herbicides and application of fertilizers.*
- *All parts of the country are likely to face moisture stress condition. Thus, farmers are avvised to irrigate the field.*

#### 1.3 Significant Information week 3+4 (Period: 24.05.2024 to 06.06.2024)

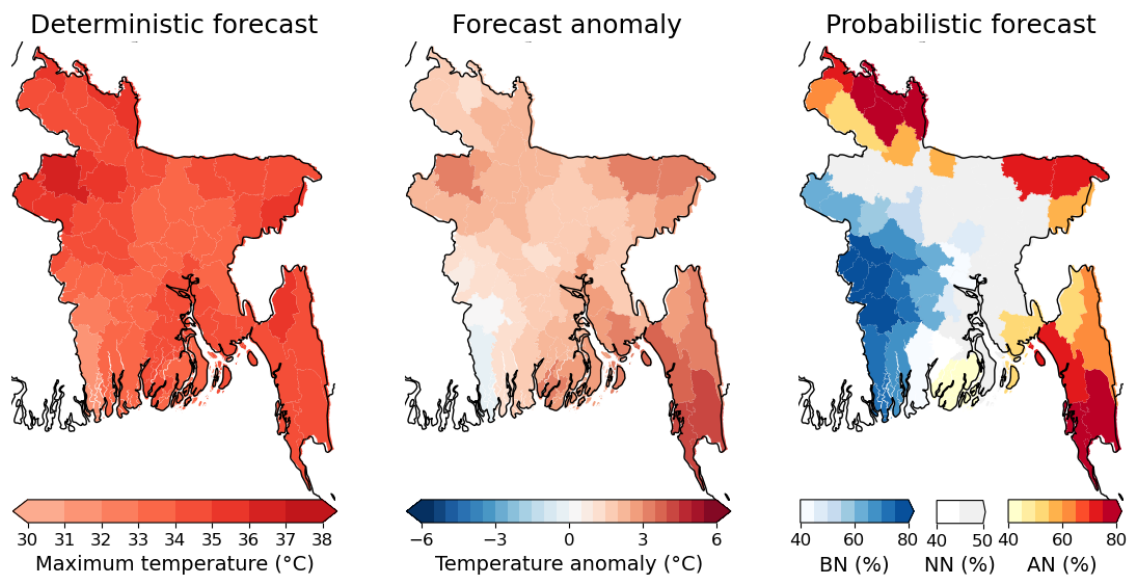
- Maximum and minimum temperature is likely to be above normal over the country. Rainfall is likely to be below normal over the country.

### 1.3.1 Significant agromet advisories for the Period: 24.05.2024 to 06.06.2024.

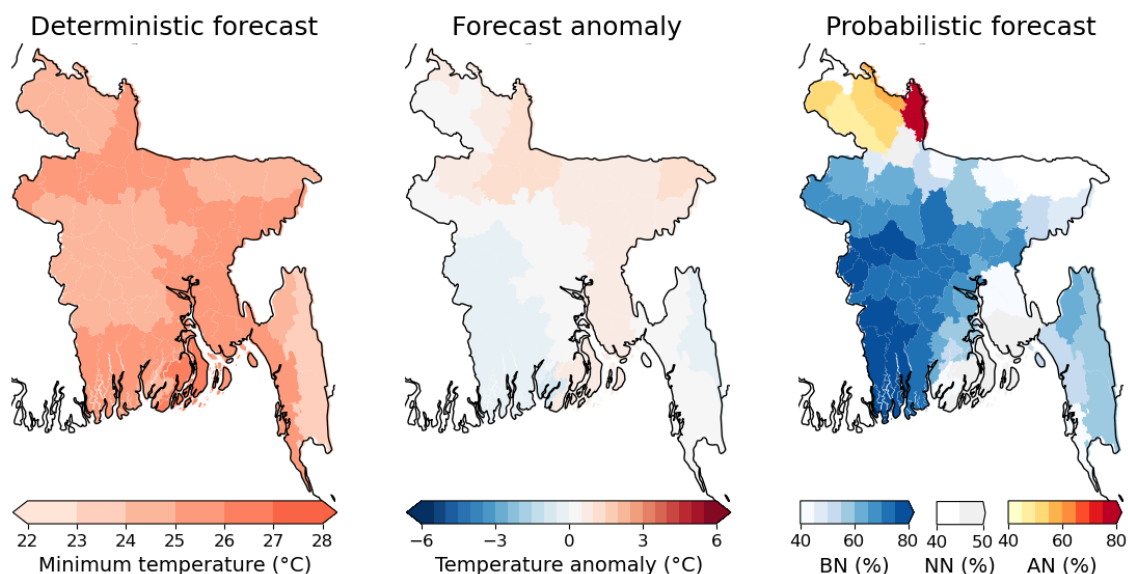
- *Most parts of the country will be warm and humid. As a result, there will be chance of pest and disease incidences on the standing crops.*
- *Spraying, fertilizer application and harvesting may be done at this period because light rainfall or no rainfall is expected.*
- *All parts of the country are likely to face moisture stress condition. Thus, farmers are advised to irrigate the field.*

## 2. Weather Forecast for week 1 (Period: 10.05.2024 to 16.05.2024)

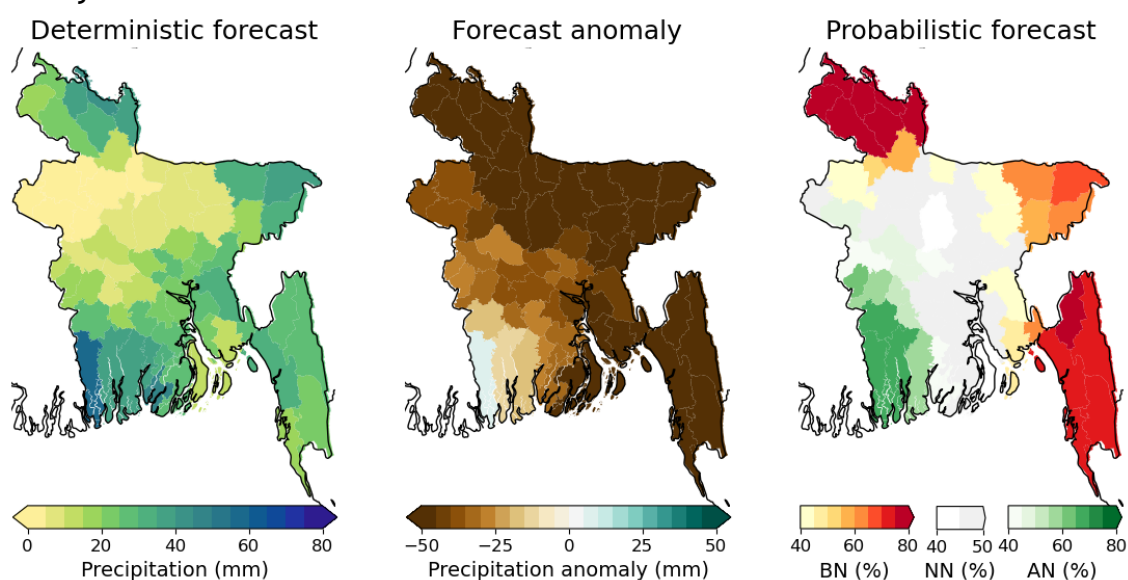
### 2.1 Weekly Average Maximum Temperature



### 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)		
		Deter- ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter- ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter- ministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	34	2	45/48/7	25	0	72/26/2	26	-33	19/49/32
	Faridpur	34	2	65/29/7	25	0	72/28/0	11	-37	16/48/36
	Gazipur	34	2	46/47/7	25	0	67/30/2	18	-45	29/49/22
	Gopalganj	34	2	61/35/4	25	0	70/30/0	28	-30	16/58/26
	Kishoreganj	34	2	18/63/18	25	1	62/35/2	8	-81	42/45/13
	Madaripur	34	2	46/48/7	25	0	65/35/0	21	-38	18/58/23
	Manikganj	34	1	64/29/7	25	0	72/23/5	18	-37	17/39/44
	Munshiganj	34	2	41/48/11	25	0	70/30/0	22	-39	21/61/18
	Narayanganj	35	3	23/67/10	25	0	65/33/2	21	-38	30/54/15
	Narsingdi	34	2	29/61/10	25	1	67/30/2	21	-48	29/52/20
	Rajbari	34	2	73/24/2	25	0	72/26/2	7	-36	10/43/47
Shariatpur	34	2	37/48/15	25	0	61/35/4	22	-42	25/59/16	
Rajshahi	Bogra	35	2	27/62/11	26	1	62/33/5	0	-61	32/46/22
	Joypurhat	36	3	18/55/26	25	1	46/47/7	3	-48	55/32/14
	Naogaon	36	3	35/58/7	25	1	62/33/5	2	-39	42/33/24
	Natore	35	2	60/38/2	25	0	67/29/5	2	-40	18/51/31
	Nawabganj	36	2	63/37/0	25	0	67/31/2	4	-36	23/46/31
	Pabna	34	2	68/29/2	25	0	76/19/5	14	-30	12/40/48
Rajshahi	35	2	64/36/0	25	0	69/29/2	0	-39	26/29/46	

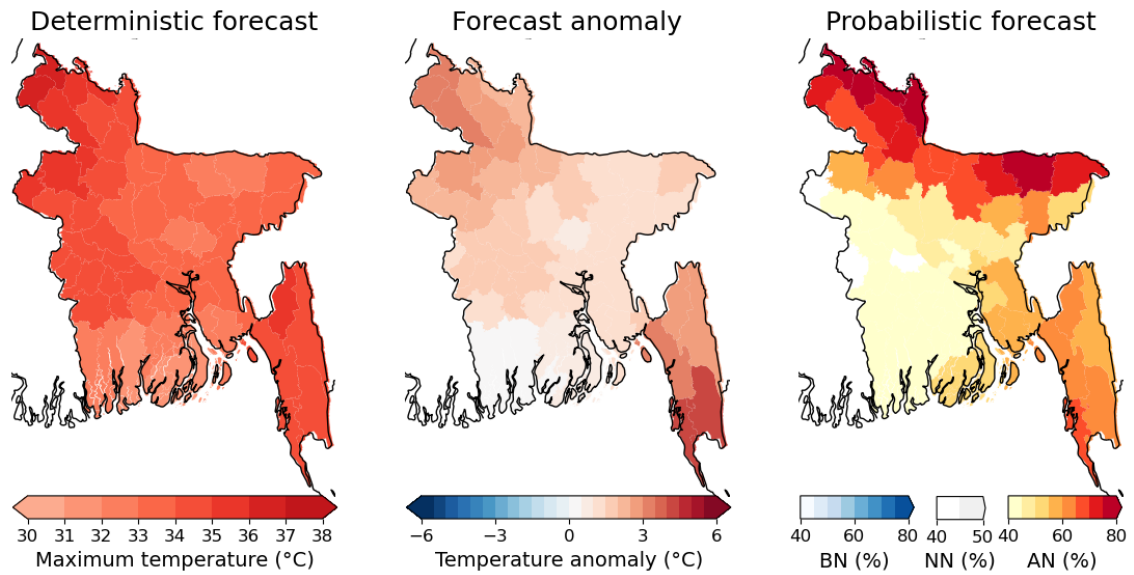
Rangpur	Sirajganj	34	2	52/40/7	25	0	69/26/5	6	-47	14/51/35
	Dinajpur	35	2	14/35/51	25	0	29/26/46	24	-58	79/14/7
	Gaibandha	35	2	12/29/59	25	1	13/73/14	13	-54	60/34/7
	Kurigram	35	2	0/12/88	25	1	0/19/81	36	-61	81/17/2
	Lalmonirhat	35	2	2/12/86	25	1	10/31/60	45	-55	81/17/2
	Nilphamari	35	1	10/14/76	25	0	36/14/50	36	-60	79/17/5
	Panchagarh	35	2	7/20/73	24	1	24/39/38	24	-61	83/12/5
	Rangpur	35	2	10/14/76	25	1	14/35/51	33	-61	79/19/2
Mymensingh	Thakurgaon	35	2	7/28/65	24	0	24/21/55	20	-58	79/14/7
	Jamalpur	34	2	12/61/27	26	1	51/37/12	4	-55	32/48/20
	Mymensingh	34	2	10/65/25	25	1	57/31/12	9	-76	39/48/13
	Netrakona	34	2	10/52/39	25	1	40/43/17	9	-100	45/45/11
Chittagong	Sherpur	34	2	10/32/58	25	1	42/43/14	6	-67	42/41/17
	Bandarban	35	4	2/17/81	24	0	57/31/12	23	-63	74/14/12
	Brahmanbaria	34	2	18/65/16	25	1	67/30/2	27	-52	37/45/17
	Chandpur	35	3	23/52/24	25	1	44/52/4	28	-48	29/57/14
	Chittagong	34	4	7/19/74	25	0	54/46/0	32	-57	72/16/12
	Comilla	34	2	18/55/27	25	1	42/54/4	33	-45	41/48/11
	Cox's Bazar	34	4	2/12/86	26	0	40/43/17	16	-67	74/14/12
	Feni	34	2	7/40/52	25	0	38/58/4	26	-74	65/28/7
	Khagrachhari	36	3	7/39/54	25	0	62/37/0	27	-65	79/16/5
	Lakshmipur	35	3	10/51/40	26	1	23/60/17	23	-49	39/49/12
Khulna	Noakhali	34	3	7/42/51	26	1	21/62/17	14	-46	49/36/14
	Rangamati	35	3	7/33/60	24	0	57/40/2	26	-61	74/18/7
	Bagerhat	33	2	42/37/21	25	0	70/30/0	38	-19	11/30/59
	Chuadanga	34	1	83/17/0	25	0	76/21/2	16	-30	14/26/60
	Jessore	33	0	79/17/4	25	0	75/23/2	26	-20	14/17/69
	Jhenaidah	34	1	80/20/0	25	0	72/26/2	18	-30	14/30/56
	Khulna	33	1	68/24/8	25	0	82/18/0	40	-11	11/21/67
	Kushtia	34	1	76/24/0	25	0	83/14/2	8	-33	14/45/42
	Magura	34	1	74/26/0	25	0	72/26/2	9	-37	14/35/52
Barisal	Meherpur	34	1	80/20/0	25	0	76/21/2	13	-29	16/40/44
	Narail	34	1	72/24/4	25	0	73/27/0	19	-31	14/35/52
	Satkhira	32	0	72/20/8	25	0	77/23/0	55	9	11/19/70
	Barguna	34	3	26/31/43	25	-1	43/49/8	47	-31	11/47/42
	Barisal	34	2	39/45/15	25	0	57/39/4	28	-34	23/57/21
	Bhola	34	3	17/48/36	26	1	17/46/38	13	-57	39/45/17
	Jhalokati	34	2	33/41/26	25	0	55/41/4	33	-33	14/54/33
	Patuakhali	34	3	21/38/41	26	1	23/60/17	28	-51	24/50/26
Sylhet	Pirojpur	34	2	40/37/23	25	0	64/32/4	36	-28	16/42/42
	Habiganj	34	2	10/61/30	25	1	51/39/10	20	-89	55/40/5
	Maulvibazar	35	3	5/38/58	25	1	46/42/12	30	-91	64/34/2
	Sunamganj	34	3	5/23/73	24	1	38/43/19	33	-102	62/29/9
	Sylhet	35	3	2/27/70	24	1	38/43/19	37	-129	66/29/5

## 2.5 Guidance

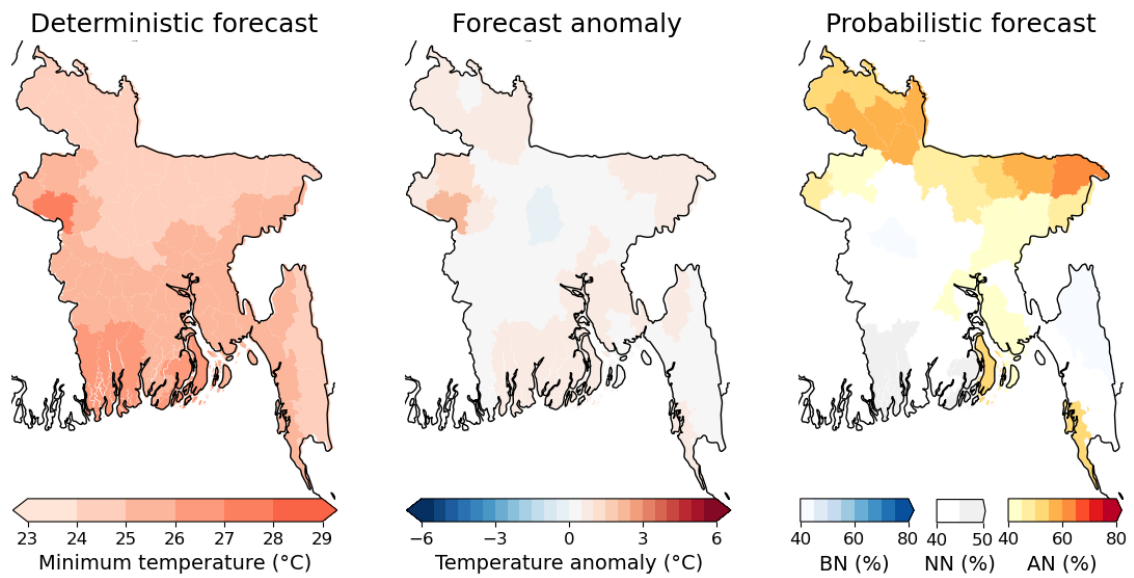
- Add here the text for guidance.

## 3. Weather Forecast for week 2 (Period: 17.05.2024 to 23.05.2024)

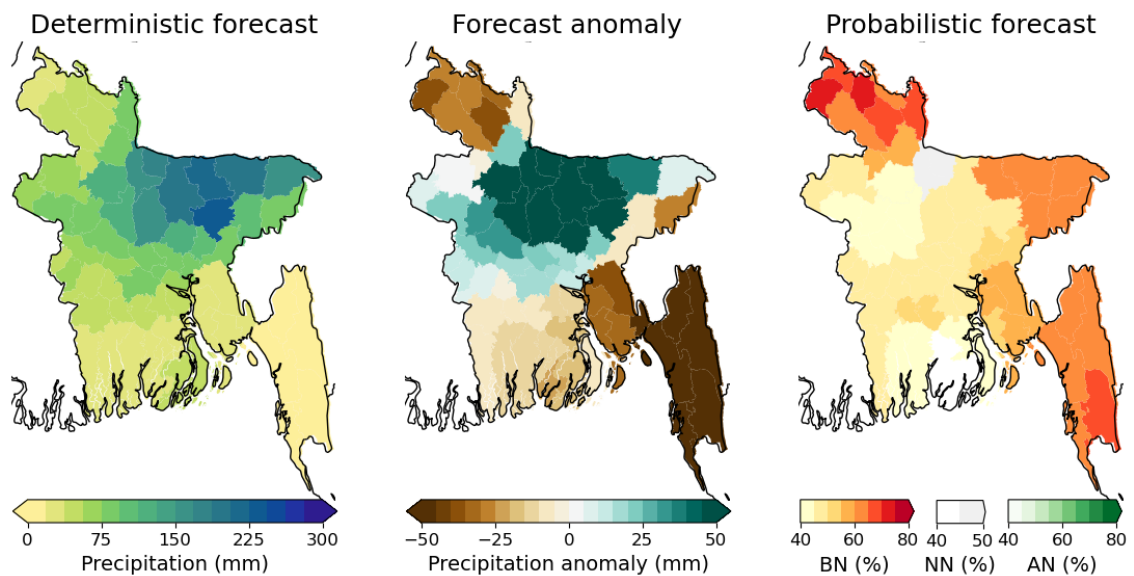
### 3.1 Weekly Average Maximum Temperature



### 3.2 Weekly Average Minimum Temperature



### 3.3 Weekly Rainfall Sum



### 3.4 Forecast information at District level

Jointly prepared by BMD, DAE, Weather Impact-Netherlands, Wageningen Environmental Research and Digital Innovation for Impact (Dii-Dhaka) under BWCSR (Component-C), supported by World Bank

Division	District	Maximum Temperature (°C)			Minimum Temperature (°C)			Rainfall (mm)		
		Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	33	1	12/45/43	25	0	35/29/36	86	19	50/25/25
	Faridpur	34	2	21/37/42	25	0	34/27/39	84	17	48/25/27
	Gazipur	33	1	14/36/50	25	0	33/29/39	124	48	48/36/16
	Gopalganj	33	1	23/35/42	25	0	36/26/38	52	-8	52/23/26
	Kishoreganj	33	1	7/34/59	25	0	21/36/43	226	107	47/44/9
	Madaripur	33	1	14/43/42	25	0	30/25/45	47	-12	49/29/21
	Manikganj	34	2	23/32/45	25	0	36/32/32	92	23	48/27/25
	Munshiganj	33	1	14/39/47	25	1	31/27/42	73	10	50/33/17
	Narayanganj	33	1	12/36/52	26	1	35/23/42	81	14	52/38/10
	Narsingdi	33	1	12/40/48	25	1	30/25/45	105	23	51/36/14
Rajbari	34	2	26/36/38	25	0	39/29/33	71	16	48/27/25	
Shariatpur	33	1	14/41/45	26	1	33/27/40	50	-11	49/32/19	
Rajshahi	Bogra	35	2	10/30/61	25	0	32/29/39	124	58	41/52/7
	Joypurhat	35	3	10/21/70	25	0	21/34/45	54	-4	58/26/16
	Naogaon	35	3	17/25/58	26	1	19/40/40	56	4	49/30/21
	Natore	35	2	24/33/43	26	1	30/38/33	85	33	45/28/27
	Nawabganj	35	2	26/38/36	26	1	14/40/45	63	9	49/18/32
	Pabna	34	2	32/27/40	25	0	43/31/26	84	32	43/26/32
	Rajshahi	35	2	24/36/40	27	2	23/44/33	81	25	43/32/26
	Sirajganj	34	2	17/36/48	25	0	37/33/30	113	47	43/35/23
Rangpur	Dinajpur	36	3	10/21/70	25	1	24/19/57	39	-27	65/23/12
	Gaibandha	35	3	10/16/74	25	1	21/23/55	92	22	58/35/7
	Kurigram	34	2	7/16/77	25	1	21/19/60	77	-7	68/27/5
	Lalmonirhat	35	2	7/16/77	25	1	26/19/55	50	-31	63/27/10
	Nilphamari	36	3	7/14/79	25	0	29/17/55	47	-28	72/18/10
	Panchagarh	36	3	5/16/79	25	1	19/26/55	32	-27	65/25/10
	Rangpur	35	3	10/16/74	25	1	26/17/57	46	-35	67/21/12
	Thakurgaon	36	3	7/18/74	25	1	21/24/55	22	-38	71/21/7
Mymen-singh	Jalalpur	34	2	10/23/68	25	0	26/29/45	165	90	39/52/9
	Mymen-singh	33	2	12/23/65	25	0	26/29/45	204	105	49/42/9
	Netrakona	33	1	5/23/73	24	0	16/30/54	215	85	61/22/17
	Sherpur	34	2	12/20/68	24	0	26/29/45	178	88	33/54/13
Chitta-gong	Bandarban	35	4	12/24/64	24	0	30/33/37	6	-54	67/17/17
	Brahaman-barua	33	1	7/45/48	25	0	30/25/45	83	-5	51/40/9
	Chandpur	33	1	14/32/54	26	1	29/29/42	30	-34	58/28/14
	Chittagong	34	3	14/21/64	26	0	28/32/40	11	-56	62/17/21
	Comilla	33	1	14/30/56	26	1	31/29/40	32	-38	58/30/12
	Cox's Bazar	34	4	7/26/67	26	1	12/37/51	0	-62	64/19/17
	Feni	34	2	14/28/58	25	1	31/32/38	24	-64	60/17/24
	Khagrach-hari	35	3	17/23/60	25	1	43/18/38	6	-71	62/21/17
	Lakshmipur	33	1	14/30/56	26	1	29/30/42	31	-31	51/30/19
	Noakhali	32	1	14/30/56	26	0	26/32/42	22	-32	57/21/21
Rangamati	34	3	17/28/55	24	0	40/25/35	10	-63	64/19/17	
Khulna	Bagerhat	32	0	21/37/42	26	1	25/37/38	31	-15	42/23/35
	Chuadanga	35	2	35/27/38	25	0	32/35/33	56	13	47/23/30
	Jessore	34	1	33/25/42	25	0	32/40/29	41	-6	47/25/28
	Jhenaidah	35	2	35/23/42	25	0	34/35/31	47	7	49/18/32
	Khulna	32	0	28/30/42	26	1	22/54/24	34	-10	45/25/30
	Kushtia	35	2	35/25/40	25	0	32/38/31	60	20	42/19/39
	Magura	34	2	30/27/42	26	0	34/31/35	51	-1	49/21/30
	Meherpur	35	1	37/24/38	26	0	32/35/33	49	12	47/14/39
	Narail	34	2	28/30/42	25	0	34/30/36	45	-6	52/23/26
Satkhira	32	0	28/30/42	26	0	22/53/25	28	-8	47/18/35	
Barisal	Barguna	31	0	16/30/54	26	1	21/39/40	32	-22	40/23/37
	Barisal	33	1	19/39/42	26	1	26/35/40	35	-16	42/32/26
	Bhola	32	1	10/36/54	26	1	19/31/50	53	-8	42/41/17
	Jhalokati	33	1	19/39/42	26	1	23/37/40	37	-13	40/32/28
	Patuakhali	31	1	12/36/52	26	1	17/46/38	40	-17	40/27/33
	Pirojpur	33	1	21/37/42	26	1	26/35/40	36	-13	40/26/35
Sylhet	Habiganj	33	1	5/35/61	25	0	23/34/43	107	-8	61/28/11
	Maulvibazar	34	1	5/41/54	25	1	18/35/47	87	-30	65/26/9

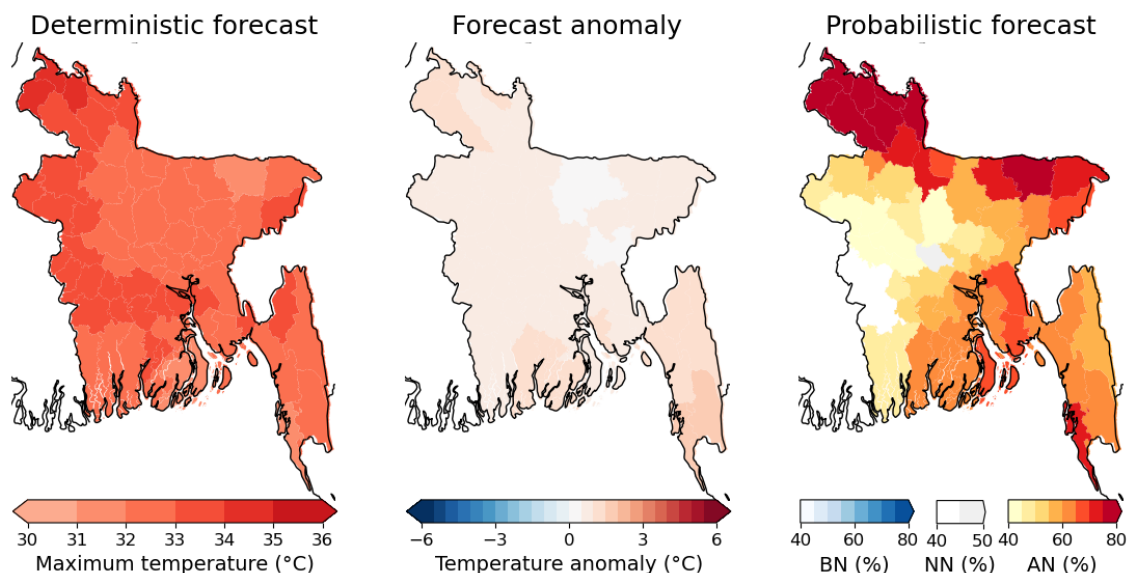
Sunamganj	33	1	5/20/75	24	1	11/33/56	189	37	63/15/21
Sylhet	33	2	5/21/74	24	1	7/32/61	165	6	61/26/13

### 3.5 Guidance

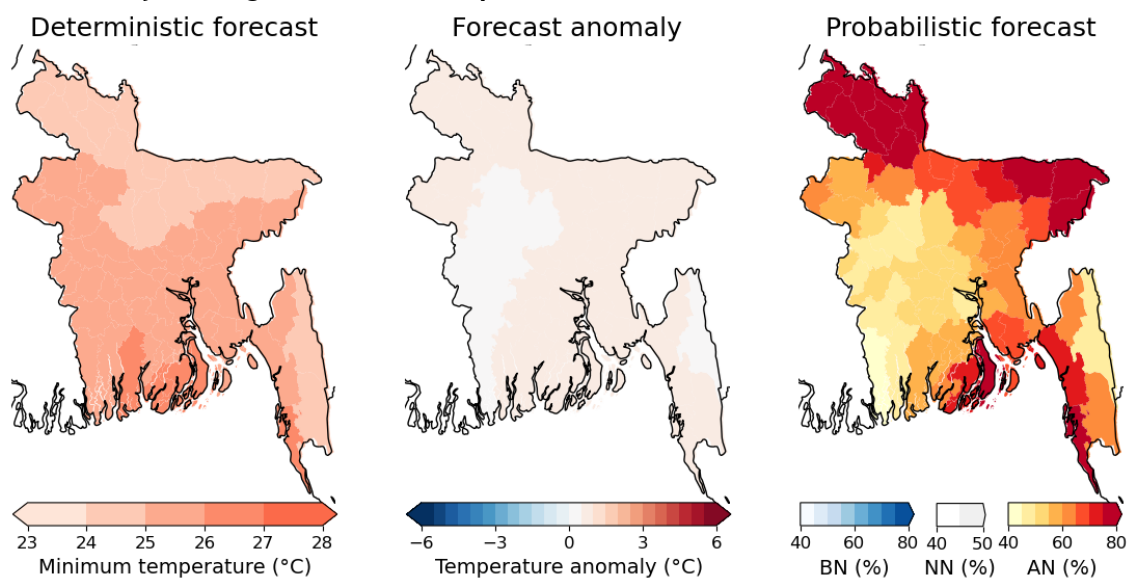
- Add here the text for guidance.

## 4. Weather Outlook for week 3+4 (Period: 24.05.2024 to 06.06.2024)

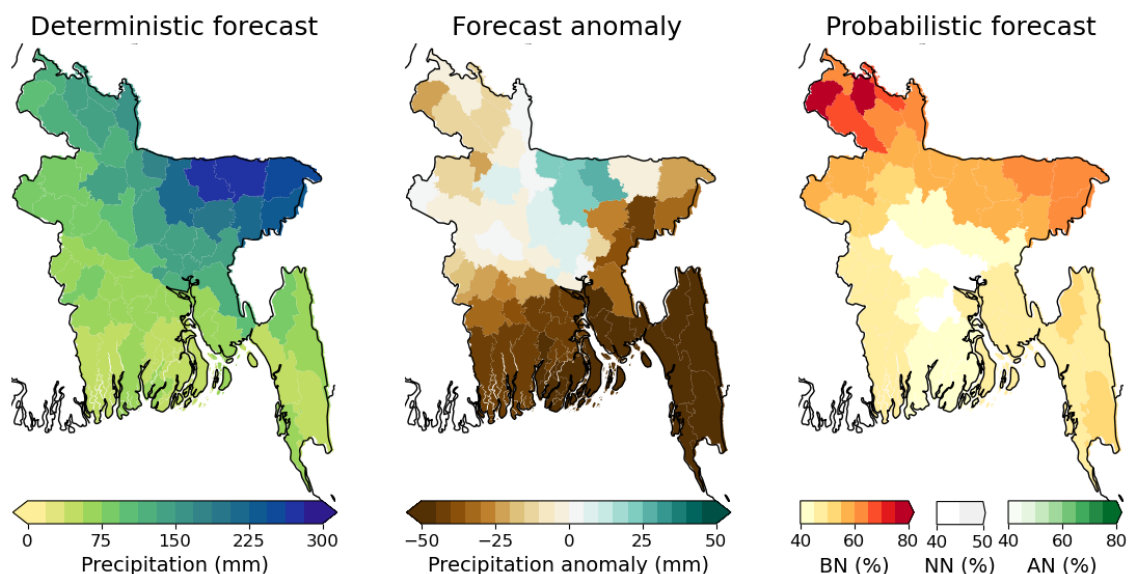
### 4.1 Two-weekly Average Maximum Temperature



### 4.2 Two-weekly Average Minimum Temperature



### 4.3 Two-weekly Rainfall Sum



#### 4.4 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	33	1	13/35/52	25	1	14/34/52	133	6	38/35/27
	Faridpur	33	1	20/27/52	25	1	16/32/52	66	-21	42/31/27
	Gazipur	32	1	13/40/46	25	1	12/32/56	147	6	42/26/32
	Gopalganj	33	1	23/21/57	26	1	25/21/54	66	-41	37/38/25
	Kishoreganj	33	1	13/28/59	25	1	5/30/65	200	-28	56/24/20
	Madaripur	33	1	23/21/57	25	1	17/29/54	65	-41	39/33/27
	Manikganj	33	1	13/47/40	25	1	18/30/52	99	-2	38/33/30
	Munshiganj	33	1	18/21/61	25	1	14/34/52	117	-4	38/33/29
	Narayanganj	33	1	15/28/57	25	1	12/32/56	135	3	38/31/32
	Narsingdi	32	0	13/32/55	25	1	7/33/60	145	-14	44/34/22
	Rajbari	33	1	20/36/44	25	0	14/34/52	67	-9	40/30/30
Shariatpur	33	1	18/21/61	26	1	17/34/49	69	-41	46/29/25	
Rajshahi	Bogra	33	1	15/30/55	25	0	5/34/61	139	10	51/29/20
	Joypurhat	33	1	9/29/62	25	1	5/21/74	91	-20	57/24/18
	Naogaon	33	1	11/34/55	25	1	5/36/60	78	-10	57/23/21
	Natore	33	1	20/36/44	25	0	9/40/51	88	-1	55/11/34
	Nawabganj	33	1	18/36/46	25	1	14/22/64	86	4	57/20/23
	Pabna	33	1	18/38/44	25	0	15/36/48	89	3	40/26/34
	Rajshahi	33	1	25/33/42	26	1	11/29/60	76	-4	55/23/23
Sirajganj	33	1	15/36/48	25	0	9/41/50	111	-1	42/26/32	
Rangpur	Dinajpur	34	1	7/14/79	25	1	5/17/79	125	-14	68/18/14
	Gaibandha	33	1	5/25/70	25	1	5/14/81	126	-1	58/22/20
	Kurigram	33	1	5/5/90	25	1	5/12/83	153	2	60/24/15
	Lalmonirhat	34	1	5/5/90	25	1	5/12/83	139	-12	67/22/11
	Nilphamari	34	1	5/10/86	25	1	5/12/83	139	-2	77/9/14
	Panchagarh	34	1	5/14/82	25	1	7/10/83	121	-4	65/21/14
	Rangpur	33	1	5/17/79	25	1	5/12/83	137	-10	64/22/14
Thakurgaon	34	1	7/12/81	25	1	7/14/79	107	-21	75/11/14	
Mymensingh	Jamalpur	32	1	11/19/70	25	1	5/26/70	133	4	55/16/29
	Mymensingh	32	0	11/34/55	25	1	2/30/67	209	22	55/16/29
	Netrakona	32	0	11/16/73	25	1	2/26/72	278	28	56/18/26
	Sherpur	32	1	11/21/68	25	1	2/28/70	184	23	55/18/26
Chittagong	Bandarban	32	2	14/24/62	24	1	7/31/62	55	-99	51/15/34
	Brahmanbaria	32	0	13/28/59	25	1	10/30/60	141	-37	44/34/22
	Chandpur	33	1	18/19/63	26	1	14/28/58	74	-46	50/25/25
	Chittagong	32	1	14/25/61	26	1	10/19/71	54	-108	46/23/32
	Comilla	33	1	15/19/65	25	1	14/26/60	113	-30	50/26/24
	Cox's Bazar	32	2	11/14/74	26	1	5/19/76	59	-102	50/14/36
	Feni	33	1	13/26/61	26	1	12/24/64	101	-82	48/23/29
Khagrach-	34	1	13/26/61	25	1	5/35/60	93	-90	52/19/29	



	hari									
	Lakshmipur	33	1	18/19/63	26	1	17/17/67	64	-52	48/23/29
	Noakhali	32	1	18/17/65	26	1	12/19/69	64	-50	48/23/29
	Rangamati	33	1	9/34/57	24	0	5/47/48	61	-113	48/18/33
Khulna	Bagerhat	33	1	23/17/61	26	1	29/14/57	58	-40	43/25/32
	Chuadanga	34	1	30/33/37	25	0	22/30/48	70	-18	46/20/34
	Jessore	33	1	34/29/37	25	0	22/30/48	68	-34	46/24/30
	Jhenaidah	33	1	34/29/37	25	0	22/26/52	77	-20	46/20/34
	Khulna	33	1	25/25/50	26	1	27/26/48	55	-40	46/23/32
	Kushtia	33	1	23/36/42	25	0	15/39/46	74	-4	46/20/34
	Magura	33	1	27/24/48	25	0	22/28/50	70	-26	46/20/34
	Meherpur	34	1	34/29/37	25	0	13/34/53	70	-11	46/22/32
	Narail	33	1	25/23/52	26	1	22/26/52	65	-39	44/31/25
	Satkhira	32	1	25/29/46	26	0	27/29/44	48	-42	46/24/30
Barisal	Barguna	32	1	23/17/61	26	1	17/20/64	60	-60	43/21/36
	Barisal	33	1	20/19/61	25	1	19/24/57	54	-41	41/30/29
	Bhola	32	1	20/14/65	26	1	14/10/76	53	-70	48/28/24
	Jhalokati	33	1	23/17/61	26	1	17/27/57	55	-44	41/30/29
	Patuakhali	32	1	20/17/63	26	1	17/11/72	54	-68	43/27/29
	Pirojpur	33	1	23/17/61	26	1	21/23/57	52	-47	41/30/29
Sylhet	Habiganj	33	1	13/23/64	25	1	5/28/67	223	-40	56/24/20
	Maulvibazar	33	1	13/21/66	25	1	5/19/76	236	-31	64/12/24
	Sunamganj	32	1	7/15/78	24	1	2/19/79	276	-1	61/22/17
	Sylhet	32	1	9/20/71	24	1	5/10/86	260	-23	60/20/20

## 4.5 Guidance

- Add here the text for guidance.

## Forecast legend

Rainfall category	Amounts of rainfall
<ul style="list-style-type: none"> <li>• Light rain</li> <li>• Moderate rain</li> <li>• Moderately Heavy</li> <li>• Heavy rain</li> <li>• Very heavy rain</li> </ul>	2-20 mm/day 22-22 mm/day 23-43 mm/day Heavy rain: 44-88 mm/day Very heavy rain: $\geq 89$ mm/day
Probabilistic values <ul style="list-style-type: none"> <li>• AN (%)</li> <li>• NN (%)</li> <li>• BN (%)</li> </ul>	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)
<ul style="list-style-type: none"> <li>• Anomaly</li> </ul>	The difference between the deterministic value and the climatology (Climatology = Deterministic - Anomaly)