



Weather Impact

WAGENINGEN
UNIVERSITY & RESEARCH



Issue Date: 20 September 2024

Subject: Experimental Sub-seasonal forecast for Bangladesh during 20.09.2024 to 17.10.2024

1. Significant information

1.1 Significant Information week 1 (Period: 20.09.2024 to 26.09.2024)

- Maximum and minimum temperature are likely to be above normal. Rainfall is likely to be near normal.

1.2 Significant Information week 2 (Period: 27.09.2024 to 03.10.2024)

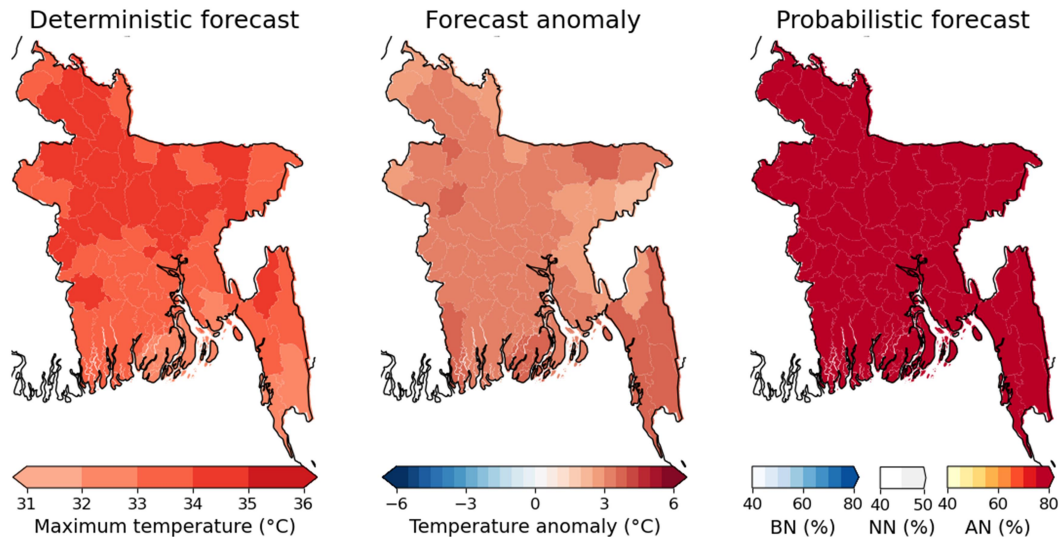
- Maximum temperature is likely to be below normal over eastern part of the country and likely to be near normal to above normal elsewhere over the country. Minimum temperature are likely to be above normal. Rainfall is likely to be above normal.

1.3 Significant Information week 3+4 (Period: 04.10.2024 to 17.10.2024)

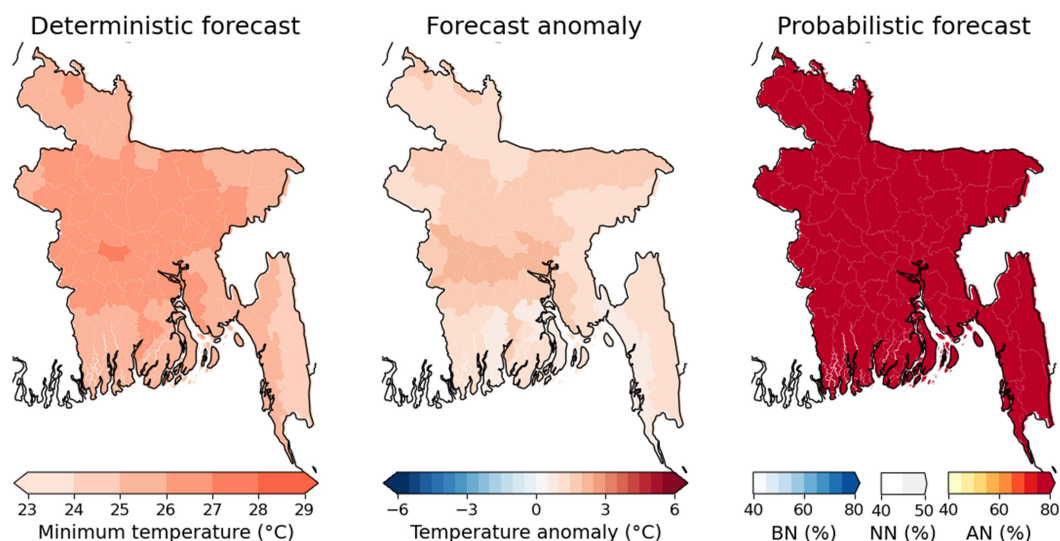
- Maximum and minimum temperature are likely to be near normal to above normal. Rainfall is likely to be near normal..

2. Weather Forecast for week 1 (Period: 20.09.2024 to 26.09.2024)

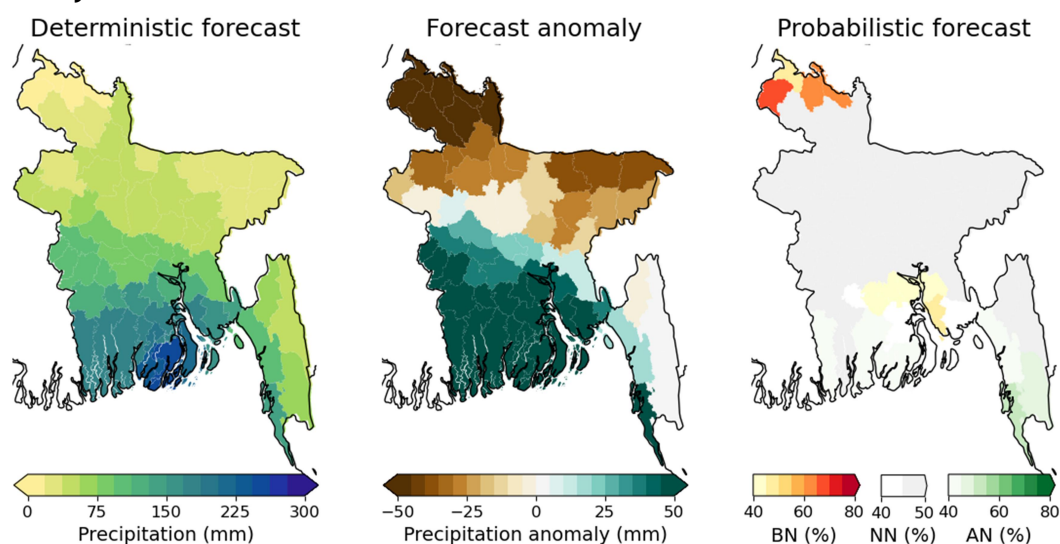
2.1 Weekly Average Maximum Temperature



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	3	0/0/100	27	2	0/0/100	88	24	16/52/33
	Faridpur	34	3	0/0/100	27	2	0/0/100	89	38	20/47/33
	Gazipur	34	3	0/0/100	26	2	0/0/100	48	-16	12/62/26
	Gopalganj	34	3	0/0/100	26	2	0/0/100	151	77	41/25/34
	Kishoreganj	34	3	0/0/100	26	1	0/0/100	39	-26	15/63/22
	Madaripur	34	3	0/0/100	26	2	0/0/100	136	67	41/23/36
	Manikganj	34	3	0/0/100	27	2	0/0/100	76	22	17/56/27
	Munshiganj	34	3	0/0/100	27	2	0/0/100	107	40	19/48/33
	Narayanganj	34	3	0/0/100	27	2	0/0/100	80	12	13/56/32
	Narsingdi	34	3	0/0/100	26	2	0/0/100	38	-27	15/60/25
	Rajbari	34	3	0/0/100	27	2	0/0/100	94	37	22/47/31
	Shariatpur	34	3	0/0/100	26	2	0/0/100	131	59	42/21/37
Rajshahi	Bogra	34	3	0/0/100	27	2	0/0/100	42	-26	24/63/12
	Joypurhat	35	4	0/0/100	27	2	0/0/100	39	-32	28/65/7
	Naogaon	34	3	0/0/100	26	2	0/0/100	31	-33	32/56/12
	Natore	34	4	0/0/100	27	2	0/0/100	60	6	15/61/23
	Nawabganj	33	3	0/0/100	25	1	0/0/100	39	-17	36/54/10
	Pabna	34	3	0/0/100	27	2	0/0/100	89	29	19/49/32
	Rajshahi	34	3	0/0/100	26	1	0/0/100	46	-4	21/61/18

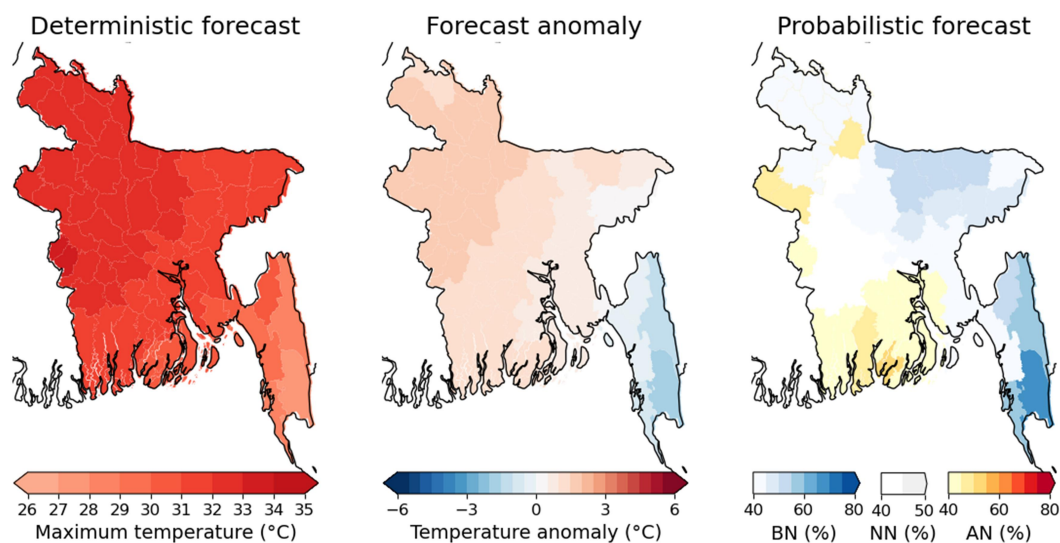
	Sirajganj	34	3	0/0/100	26	2	0/0/100	55	-4	17/61/22
Rangpur	Dinajpur	34	3	0/0/100	26	1	0/0/100	28	-46	38/57/5
	Gaibandha	34	3	0/0/100	26	1	0/0/100	44	-35	37/56/7
	Kurigram	34	3	0/0/100	26	1	0/0/100	38	-51	38/56/6
	Lalmonirhat	34	3	0/0/100	26	2	0/0/100	10	-78	61/35/5
	Nilphamari	35	3	0/0/100	26	1	0/0/100	0	-79	63/33/4
	Panchagarh	33	3	0/0/100	26	2	0/0/100	7	-84	47/53/0
	Rangpur	34	3	0/0/100	26	1	0/0/100	35	-53	38/57/6
	Thakurgaon	34	3	0/0/100	26	1	0/0/100	0	-82	66/33/0
Mymen-singh	Jamalpur	34	3	0/0/100	26	1	0/0/100	39	-26	30/63/8
	Mymen-singh	34	3	0/0/100	27	2	0/0/100	42	-14	16/67/17
	Netrakona	34	3	0/0/100	26	2	0/0/100	32	-37	23/58/18
	Sherpur	33	3	0/0/100	26	1	0/0/100	33	-27	32/56/12
Chitta-gong	Bandarban	33	4	0/2/98	25	1	0/0/100	70	4	2/50/48
	Brahamanba- ria	34	3	0/0/100	26	1	0/0/100	42	-15	12/65/23
	Chandpur	34	3	0/0/100	27	2	0/0/100	116	41	44/29/27
	Chittagong	33	4	0/0/100	26	1	0/0/100	100	17	25/34/42
	Comilla	34	3	0/0/100	26	1	0/0/100	81	13	24/47/29
	Cox's Bazar	33	4	0/1/99	26	1	0/0/100	142	59	6/43/51
	Feni	33	3	0/0/100	25	1	0/0/100	143	37	28/34/38
	Khagrachha- ri	34	3	0/0/100	26	1	0/0/100	69	-3	14/57/29
	Lakshmipur	34	3	0/0/100	26	2	0/0/100	173	84	47/24/29
	Noakhali	33	3	0/0/100	26	1	0/0/100	151	69	39/23/38
	Rangamati	33	4	0/0/100	25	1	0/0/100	54	2	2/60/38
Khulna	Bagerhat	33	3	0/0/100	26	1	0/0/100	187	102	21/38/40
	Chuadanga	34	3	0/0/100	27	2	0/0/100	103	52	12/55/33
	Jessore	34	3	0/0/100	27	2	0/0/100	127	65	15/51/34
	Jhenaidah	34	3	0/0/100	27	2	0/0/100	109	50	16/46/38
	Khulna	33	3	0/0/100	26	1	0/0/100	174	92	12/50/38
	Kushtia	34	3	0/0/100	27	2	0/0/100	95	38	18/48/34
	Magura	34	3	0/0/100	27	2	0/0/100	95	38	16/46/38
	Meherpur	34	3	0/0/100	27	2	0/0/100	102	51	17/48/35
	Narail	34	3	0/0/100	26	2	0/0/100	139	74	29/37/34
	Satkhira	34	4	0/0/100	26	1	0/0/100	173	96	12/43/45
Barisal	Barguna	33	4	0/0/100	26	1	0/0/100	240	128	25/33/42
	Barisal	33	3	0/0/100	25	1	0/0/100	180	86	40/22/38
	Bhola	33	3	0/0/100	26	1	0/0/100	215	114	35/26/39
	Jhalokati	33	3	0/0/100	26	1	0/0/100	204	111	34/27/39
	Patuakhali	33	4	0/0/100	26	1	0/0/100	256	142	33/22/44
	Pirojpur	34	3	0/0/100	26	2	0/0/100	184	99	30/29/41
Sylhet	Habiganj	34	3	0/0/100	26	1	0/0/100	32	-22	11/71/18
	Maulvibazar	34	2	0/0/100	26	1	0/0/100	26	-24	18/66/16
	Sunamganj	34	4	0/0/100	26	2	0/0/100	31	-38	23/61/16
	Sylhet	34	3	0/0/100	25	2	0/0/100	31	-37	32/62/6

2.5 Guidance

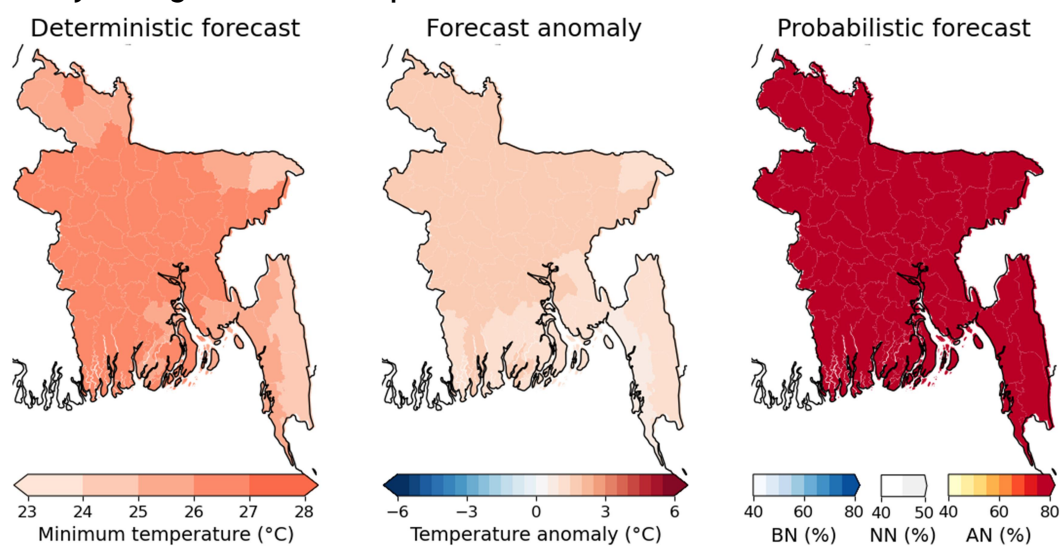
- Add here the text for guidance.

3. Weather Forecast for week 2 (Period: 27.09.2024 to 03.10.2024)

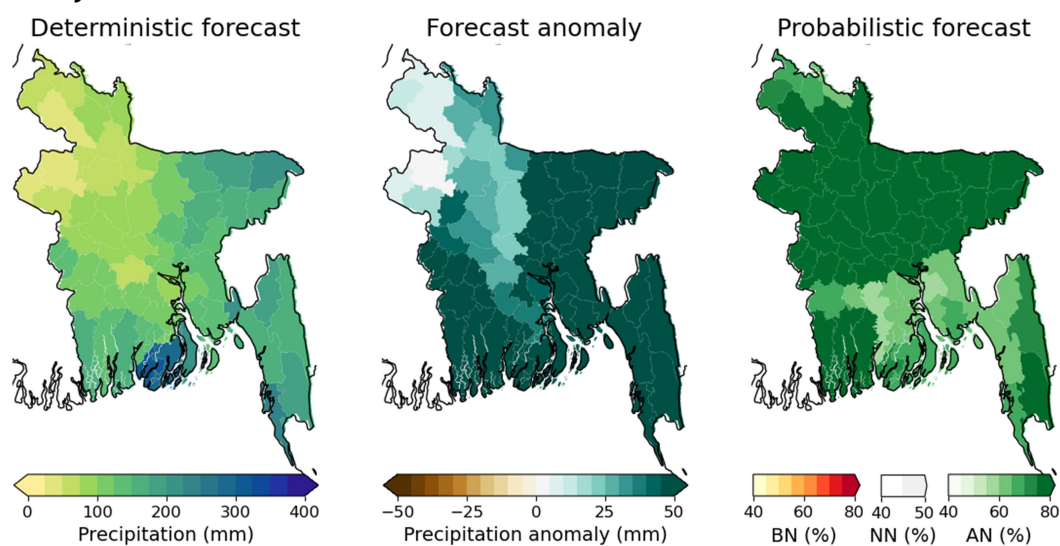
3.1 Weekly Average Maximum Temperature



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	32	1	41/25/34	26	2	0/6/94	114	52	0/15/85
	Faridpur	32	1	35/27/38	26	2	0/8/92	74	29	0/15/84
	Gazipur	32	1	47/24/28	27	2	0/2/98	127	65	1/13/86
	Gopalganj	32	1	28/31/41	26	2	0/4/96	109	39	0/40/60
	Kishoreganj	32	1	49/32/19	27	2	0/10/90	174	105	1/13/85
	Madaripur	32	1	30/29/41	26	2	0/6/94	108	49	1/35/64
	Manikganj	32	1	38/30/33	26	2	0/10/90	75	23	0/14/86
	Munshiganj	32	1	35/26/39	26	2	0/8/92	116	59	1/18/81
	Narayanganj	32	1	41/21/38	26	2	0/8/92	127	65	1/19/80
	Narsingdi	32	1	42/26/32	26	2	0/5/94	161	99	1/13/86
	Rajbari	32	1	36/33/31	26	2	0/7/93	79	34	0/6/94
	Shariatpur	32	1	30/29/41	26	2	0/6/94	98	43	1/38/60
Rajshahi	Bogra	33	2	39/27/34	26	2	0/8/92	67	25	0/4/96
	Joypurhat	33	2	41/13/46	26	2	0/6/94	58	18	0/7/93
	Naogaon	33	2	40/14/46	26	2	0/3/97	39	2	0/8/92
	Natore	33	2	39/22/38	26	2	0/4/96	94	41	0/4/96
	Nawabganj	33	2	39/15/46	26	2	0/4/96	48	8	0/7/92
	Pabna	33	2	40/34/26	26	2	0/7/92	95	33	0/7/93
	Rajshahi	33	2	36/18/46	26	2	0/2/98	60	18	0/4/96
	Sirajganj	33	2	41/33/26	26	2	0/9/91	82	27	0/7/93
Rangpur	Dinajpur	33	2	43/7/50	26	2	0/7/93	49	7	0/17/83
	Gaibandha	33	2	40/14/46	26	2	0/13/86	59	20	0/13/87
	Kurigram	33	2	41/8/50	26	2	0/17/83	91	34	0/18/82
	Lalmonirhat	33	2	42/7/51	26	2	0/11/89	95	33	0/35/65
	Nilphamari	33	1	42/7/50	26	2	0/7/93	62	7	0/34/66
	Panchagarh	32	1	44/6/50	26	2	0/2/98	66	8	0/31/69
	Rangpur	33	2	42/8/50	26	2	0/9/91	79	29	0/19/81
	Thakurgaon	33	2	44/6/50	26	2	0/11/89	63	11	4/25/70
Mymen-singh	Jamalpur	33	2	43/31/26	26	2	0/12/88	64	23	0/9/91
	Mymen-singh	32	1	53/29/18	26	2	0/3/97	113	63	1/10/89
	Netrakona	32	1	53/30/18	26	2	0/12/88	152	89	1/3/96
	Sherpur	32	2	52/27/21	26	2	0/8/92	77	30	0/9/91
Chitta-gong	Bandarban	27	-2	67/28/5	24	1	1/5/94	179	108	4/19/77
	Brahamanbaria	32	1	44/33/23	26	2	0/10/90	148	88	1/18/80
	Chandpur	32	1	39/17/44	26	2	0/6/94	107	54	2/40/58
	Chittagong	30	0	44/42/13	26	1	0/12/88	173	95	2/34/63
	Comilla	32	1	41/22/37	26	1	0/6/94	143	84	2/37/61
	Cox's Bazar	28	-1	58/36/6	25	1	0/10/90	228	151	4/29/67
	Feni	31	0	41/22/37	26	1	0/4/96	200	134	3/36/61
	Khagrachhari	31	0	52/27/21	25	1	0/11/89	177	115	2/34/64
	Lakshmipur	31	1	30/27/43	26	1	0/5/95	142	78	2/34/64
	Noakhali	31	1	41/22/37	26	1	0/7/93	141	84	1/29/69
	Rangamati	29	-1	56/30/14	25	1	1/11/88	164	97	3/26/71
Khulna	Bagerhat	32	1	22/29/49	26	1	0/4/96	162	92	2/19/79
	Chuadanga	33	2	24/35/41	26	2	0/3/97	128	73	0/6/94
	Jessore	33	1	22/44/34	26	2	0/2/98	119	71	0/32/67
	Jhenaidah	33	2	28/39/33	26	2	0/3/97	109	59	0/7/93
	Khulna	32	1	22/35/43	26	2	0/4/96	137	72	2/21/77
	Kushtia	33	2	32/33/35	26	2	0/3/97	97	41	0/6/94
	Magura	32	1	34/33/33	26	2	0/3/96	110	65	0/11/89
	Meherpur	33	2	25/35/40	26	2	0/3/97	138	85	0/5/95
	Narail	32	1	29/35/35	26	2	0/3/96	120	62	0/38/62
	Satkhira	32	1	19/38/42	26	1	0/3/97	156	93	2/18/80
Barisal	Barguna	31	1	23/24/53	26	2	0/4/96	306	219	3/23/74
	Barisal	32	1	25/34/40	26	1	0/6/94	104	40	3/32/65
	Bhola	31	1	24/31/44	26	1	0/8/92	222	145	3/29/68
	Jhalokati	32	1	24/33/43	26	1	0/5/95	136	63	3/34/63
	Patuakhali	31	1	23/32/45	26	1	0/6/94	277	186	3/28/68
	Pirojpur	32	1	23/33/44	26	1	0/4/96	138	66	2/41/57
Sylhet	Habiganj	32	0	49/28/23	26	2	0/12/88	159	105	2/15/83
	Maulvibazar	32	0	47/29/24	26	2	0/4/96	161	112	3/17/80

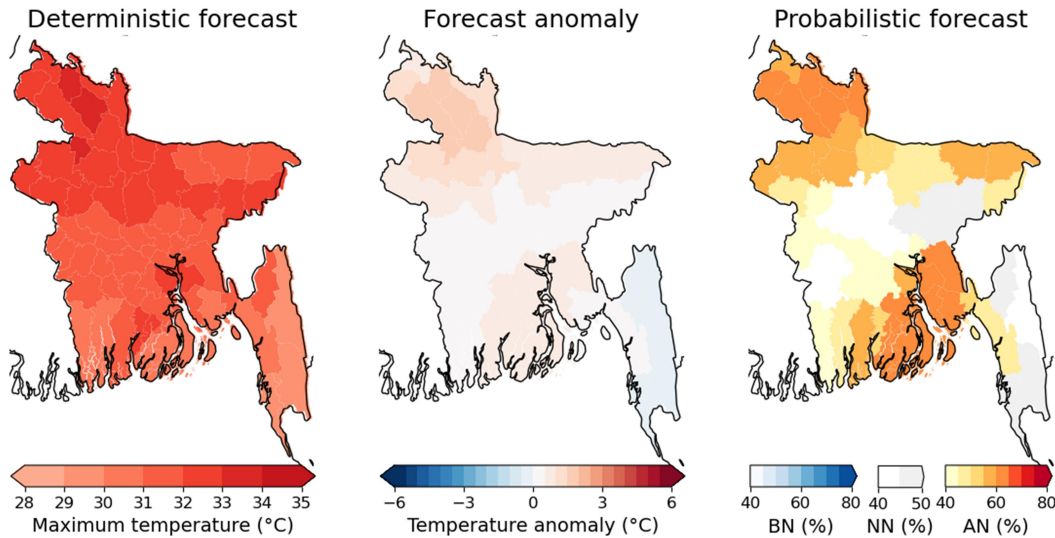
	Sunamganj	32	1	51/31/19	25	2	0/15/85	197	126	0/6/94
	Sylhet	31	1	44/28/27	25	1	0/4/96	214	144	0/11/88

3.5 Guidance

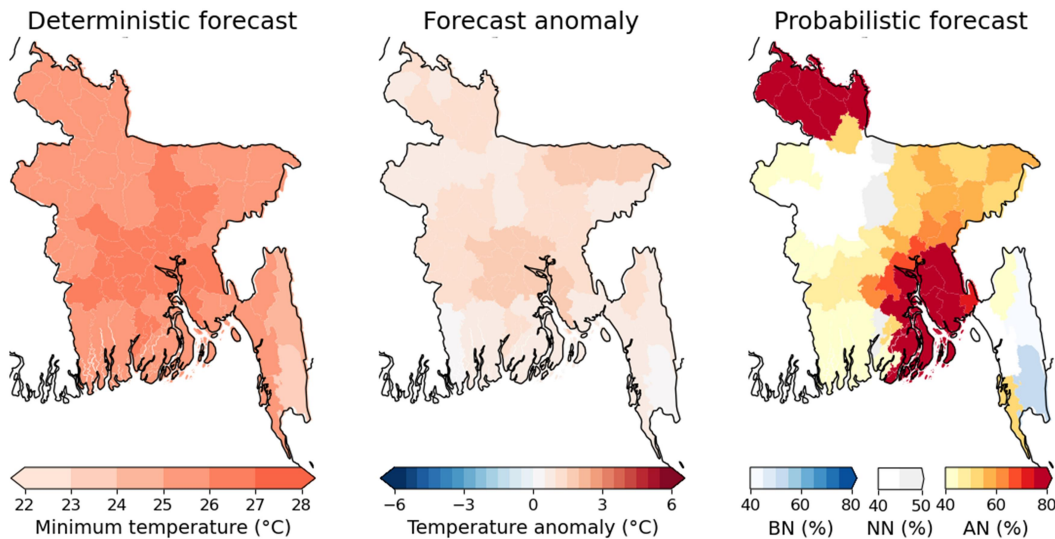
- Add here the text for guidance.

4. Weather Outlook for week 3+4 (Period: 04.10.2024 to 17.10.2024)

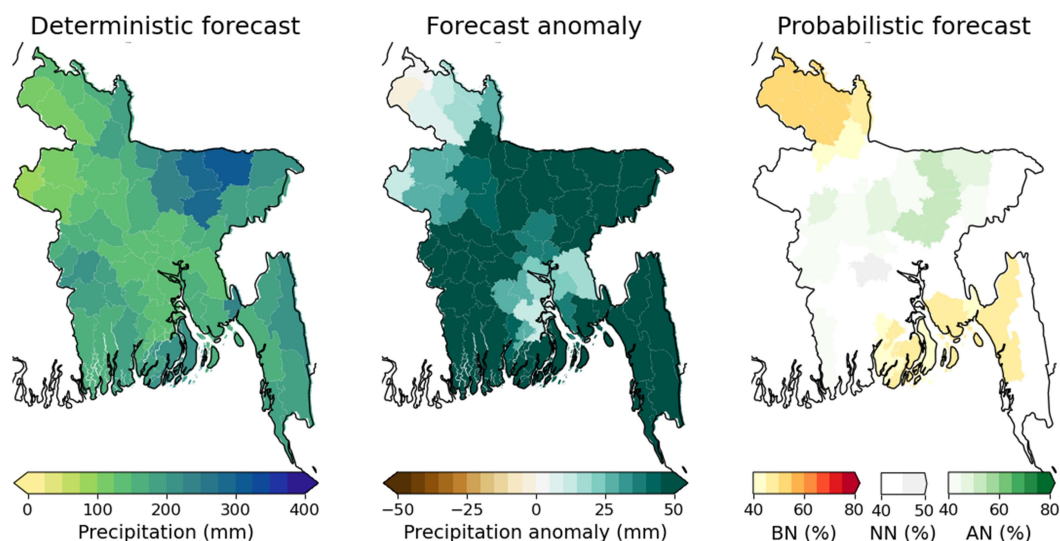
4.1 Two-weekly Average Maximum Temperature



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)		
		Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)	Deter-ministic	Anomaly	Probabilistic (BN/NN/AN)
Dhaka	Dhaka	32	0	16/45/39	27	2	6/35/59	141	36	25/35/40
	Faridpur	32	0	16/44/41	27	2	6/47/47	141	58	24/48/28
	Gazipur	32	0	18/45/37	26	1	6/40/54	145	37	25/22/53
	Gopalganj	32	1	14/46/40	26	2	6/34/60	160	28	31/42/27
	Kishoreganj	32	0	18/46/35	26	1	6/35/60	289	154	24/23/53
	Madaripur	32	1	15/40/45	26	2	6/26/69	139	29	30/43/27
	Manikganj	32	0	16/45/40	26	2	6/47/47	146	53	25/34/40
	Munshiganj	32	1	16/39/44	27	2	6/26/68	131	21	31/44/25
	Narayanganj	32	0	16/39/45	27	2	6/26/69	141	36	27/42/31
	Narsingdi	32	0	16/47/36	26	1	6/31/64	160	47	26/24/50
	Rajbari	32	0	27/32/41	26	2	6/50/44	141	50	23/38/39
Rajshahi	Shariatpur	32	1	16/28/56	26	2	6/18/77	133	17	35/40/25
	Bogra	33	1	26/17/57	26	1	25/40/35	134	44	32/30/38
	Joypurhat	33	2	24/20/56	25	1	20/42/38	134	30	40/27/33
	Naogaon	33	1	25/18/56	25	1	19/40/41	119	25	36/29/35
	Natore	32	1	21/37/41	26	1	24/39/37	131	32	25/29/46
	Nawabganj	32	1	26/17/57	25	1	20/39/42	86	12	36/29/35
	Pabna	32	0	27/37/35	26	1	19/43/39	173	51	23/36/41
	Rajshahi	32	1	24/27/49	25	1	23/40/37	104	28	28/38/34
Rangpur	Sirajganj	32	1	21/40/40	26	1	23/39/38	142	43	24/34/42
	Dinajpur	33	2	24/13/63	25	1	3/13/84	122	10	52/16/32
	Gaibandha	33	2	23/20/57	25	1	11/35/54	175	57	41/27/32
	Kurigram	33	1	23/14/63	25	1	3/16/81	192	28	46/21/33
	Lalmonirhat	33	1	23/12/64	25	1	2/9/88	168	17	52/15/33
	Nilphamari	34	2	23/13/64	25	1	2/8/89	141	11	51/18/31
	Panchagarh	32	1	24/17/59	25	1	2/13/85	148	3	51/18/30
Mymen-singh	Rangpur	33	2	22/15/62	25	1	3/16/81	135	18	51/16/33
	Thakurgaon	33	1	23/14/62	25	1	3/9/87	118	0	52/17/31
	Jamalpur	33	1	24/21/55	25	1	22/43/35	173	65	29/33/38
	Mymen-singh	32	1	20/33/47	26	1	6/44/50	227	107	24/35/41
Chitta-gong	Netrakona	32	1	22/30/47	26	2	6/35/60	280	141	24/24/52
	Sherpur	32	1	23/22/55	25	1	13/51/36	218	89	29/33/39
	Bandarban	29	0	19/45/36	24	0	50/11/38	182	61	33/34/33
	Brahamanbaria	32	0	18/51/31	26	1	6/31/63	163	50	23/41/37
	Chandpur	32	1	13/25/61	27	2	6/13/82	151	24	37/40/24
	Chittagong	31	0	17/37/46	26	1	22/40/39	167	57	48/23/29
	Comilla	32	1	15/22/63	26	1	6/14/81	133	20	37/36/27
	Cox's Bazar	30	0	17/46/37	26	1	5/44/51	194	62	37/31/32
	Feni	32	0	14/33/54	25	1	5/24/71	230	76	45/30/25
	Khagrachha	31	0	25/46/30	25	1	22/38/40	190	69	46/25/29

	ri									
	Lakshmipur	32	1	14/25/61	27	2	1/14/85	159	37	47/31/22
	Noakhali	31	0	14/24/62	25	1	1/14/85	155	49	47/32/22
	Rangamati	30	0	22/41/37	24	1	43/19/38	203	94	34/34/32
Khulna	Bagerhat	31	1	12/33/55	26	1	14/45/41	177	55	32/45/23
	Chuadanga	32	0	27/32/41	26	1	9/51/40	183	100	24/34/41
	Jessore	32	0	24/40/36	26	1	6/48/46	192	91	26/38/37
	Jhenaidah	32	0	27/36/37	26	1	10/50/40	205	103	24/35/41
	Khulna	31	0	12/40/47	25	1	14/45/41	173	59	32/41/26
	Kushtia	32	0	27/32/41	26	1	18/43/39	160	60	24/35/40
	Magura	32	0	23/37/40	26	1	6/49/45	180	79	25/42/33
	Meherpur	32	0	23/36/41	26	1	9/50/41	153	76	26/40/34
	Narail	32	0	15/45/40	26	2	6/46/48	185	69	30/45/25
	Satkhira	31	0	13/44/43	25	0	14/44/41	169	59	33/24/43
Barisal	Barguna	30	1	12/26/62	25	1	5/51/44	198	61	42/39/19
	Barisal	32	1	12/27/61	26	1	6/17/78	126	14	35/42/24
	Bhola	31	1	10/29/61	26	1	1/13/85	203	63	41/38/21
	Jhalokati	32	1	12/26/62	26	1	6/41/53	149	25	45/30/24
	Patuakhali	31	1	11/26/63	26	1	1/15/84	209	54	45/34/21
	Pirojpur	32	1	12/34/55	26	1	6/55/40	166	41	41/33/26
Sylhet	Habiganj	32	0	19/50/31	26	1	5/39/55	196	85	21/36/43
	Maulvibazar	32	0	19/35/45	25	1	5/43/52	185	88	25/41/34
	Sunamganj	32	1	22/21/57	25	2	5/41/54	300	171	25/27/48
	Sylhet	32	1	20/22/58	25	2	6/38/56	211	113	28/34/38

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	1-10 mm/day 11-22 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)