



# Air Quality Monthly Report

June, 2025



**Department of Environment**  
Ministry of Environment, Forest and Climate Change  
Bangladesh

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## **Introduction:**

Department of Environment (DoE), Bangladesh has established a countrywide air quality monitoring (AQM) network. The continuous monitoring of 6 (six) criteria pollutants (PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, CO, NO<sub>x</sub> and O<sub>3</sub>) is being done by 31(thirty one) Continuous Air Monitoring Stations (CAMS) and Compact Continuous Air Monitoring Stations (C-CAMS) located in the divisional and industrial districts of the country; The network encompasses all the regions of the country - Dhaka, Narayanganj Gazipur, Savar, Mymensing, Narsindi in the center, Chittagong in the south-east. Khulna Cumilla and Barisal in the south, Rajshahi in the west, and Sylhet in the north-east regions, Rangpur in the north west of the country. And C-CAMS are located in Faridpur, Jashore, Satkhira, Bagerhat, Gopalganj, Tangail, Bogura, Tongi, BUET campus, Brahmanbaria, Feni, Noakhali, BSRM (Chattogram), Cox's-Bazar, Nagor Bhaban, Dhaka. The data and information generated from those stations are automatically collected in the central server and are disseminated through DoE website. Air Quality Index (AQI) for each city is calculated and published online daily for notifying the public about the status of air quality in their respective city.

Quality Assurance/Quality Control (QA/QC) methods and procedures are implemented with full documentation and are validated through an international certified calibration reference laboratory. Forms and log sheets document every activity in the air monitoring stations and document all maintenance, calibration, operation and other activities such as all visits to the stations. This monthly report provides an overview and analysis of air quality monitoring data in Bangladesh for the month wise monitoring results.

The report summarizes the data of different CAMS located in different cities of Bangladesh.

## Standards of Ambient Air Quality

The Government of Bangladesh has enacted Air Pollution (Control) Rules – 2022 with ambient air quality standards. This report establishes the Air Quality Index (AQI) followed by USEPA guideline to evaluate air pollution.

Table 1: National Ambient Air Quality Standards (NAAQS) for Bangladesh

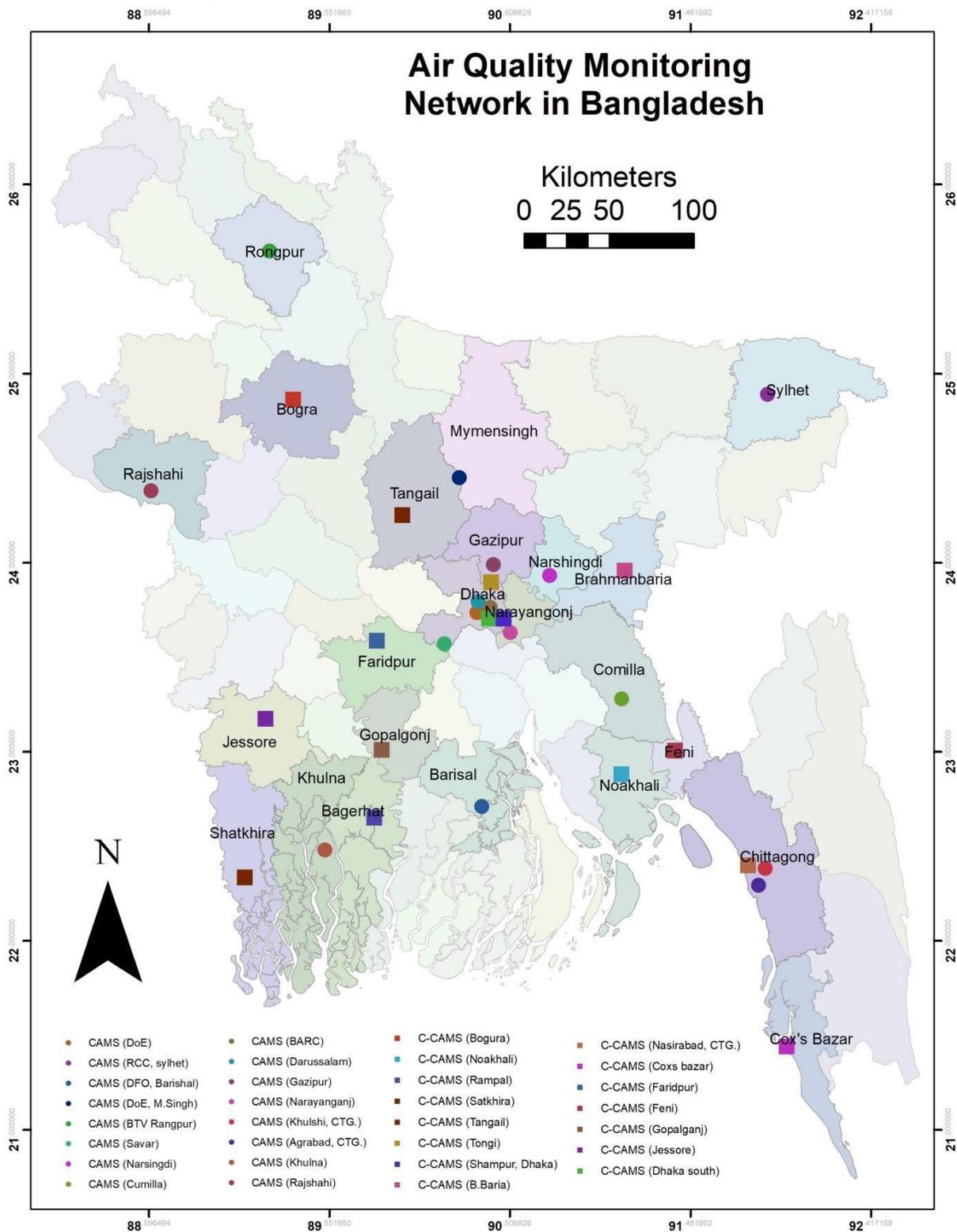
Pollutant	Limit Value	Averaging time
CO	5 mg/m <sup>3</sup>	8 hours <sup>a</sup>
	20 mg/m <sup>3</sup>	1 hour <sup>a</sup>
Pb	0.25 µg/m <sup>3</sup>	Annual
	0.50 µg/m <sup>3</sup>	24 hours
NO <sub>2</sub>	40 µg/m <sup>3</sup>	Annual
	80 µg/m <sup>3</sup>	24 hours
PM <sub>10</sub>	50 µg/m <sup>3</sup>	Annual <sup>b</sup>
	150 µg/m <sup>3</sup>	24 hours <sup>c</sup>
PM <sub>2.5</sub>	35 µg/m <sup>3</sup>	Annual
	65 µg/m <sup>3</sup>	24 hours
O <sub>3</sub>	180 µg/m <sup>3</sup>	1 hour <sup>d</sup>
	100 µg/m <sup>3</sup>	8 hours
SO <sub>2</sub>	250 µg/m <sup>3</sup>	1 hour
	80 µg/m <sup>3</sup>	24 hours <sup>a</sup>

Table 2: Air quality index (AQI) in Bangladesh

Air quality index (AQI)	Category		Colour
	In English	In Bangla	
0-50	Good	ভাল	Green
51-100	Moderate	মধ্যম	Yellow Green
101-150	Caution	সাবধানতা/সতর্কীকরণ	Yellow
151-200	Unhealthy	অস্বাস্থ্যকর	Orange
201-300	Very Unhealthy	খুব অস্বাস্থ্যকর	Red
301-500	Extremely Unhealthy/Hazardous	অত্যন্ত অস্বাস্থ্যকর	Purple

# Location Map of Air Monitoring Stations

Figure 1: Locations Map of Continuous Air Monitoring Stations (CAMS) under Department of Environment in Bangladesh.



## Station Information

Table 3: Overview of the locations and capacity of the CAMS

City	ID	Location	Latitude/ Longitude	Monitoring Capacity	Year of Est.	Type	Inlet & Met tower Height( m)
Dhaka	CAMS-1	Dept of Environment	23°.77'73.94"N 90°.37'26.03"E	PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> & NO <sub>x</sub> with Meteorological Parameters	2012	UB/Res	4.8 & 8
	CAMS-2	Farmgate	23°.75'94.10"N 90°.38'86.79"E		2008	Rd/Com	8.8 & 11
	CAMS-3	Darussalam	23°.78'07.75"N 90°.35'54.10"E		2012	UB/Com	8.8 & 11
Gazipur	CAMS-4	Gazipur	23°.99'41.28"N 90°.42'23.15"E		2012	SUB	8.8 & 11
Narayanganj	CAMS-5	Narayanganj	23°.62'60.79"N 90°.50'72.00"E		2012	UB Industry	8.8 & 11
Chattogram	CAMS-6	TV Station, Khulshi	22°.36'04.87"N 91°.80'04.54"E		2006	UB1	4.8 & 7
	CAMS-7	Agrabad	22°.32'30.20"N 91°.80'23.36"E		2012	UB/Res	8.8 & 11
Khulna	CAMS-8	Boyra	22°.83'57.75"N 89°.52'90.56"E		2008	UB	6.8 & 10
Rajshahi	CAMS-9	Sapura	24°.38'33.20"N 88°.60'80.07"E		2008	Rd/Res	6.8 & 10
Sylhet	CAMS-10	Red Crecent Campus	24°.88'83.34"N 91°.86'73.47"E		2012	Rd/UB/Res	13.8 & 15
Barishal	CAMS-11	DFO Office Campus	22°.71'02.87"N 90°.36'25.98"E		2012	UB/Res	6.8 & 10
Mymensingh	CAMS-12	DoE Office, Divisional Headquarter	24°.76'24.58"N 90°.40'21.02"E		2019	UB	8.8 & 11
Rangpur	CAMS-13	BTV Rangpur Station	25°.74'73.71"N 89°.22'89.31"E		2019	UB	8.8 & 11
Savar	CAMS-14	Atomic Energy Research Institute	23°.95'37.04"N 90°.27'97.94"E		2019	SUB	10.8 & 14
Narsingdi	CAMS-15	Sadar Upazila Complex	23°.93'24.56"N 90°.71'65.98"E		2019	SUB	8.8 & 11
Cumilla	CAMS-16	Court Area	23°.47'29.88"N 91°.18'06.71"E		2019	UB	8.8 & 11
UB: Urban; Rd: Road; Res: residential; Com: Commercial; SUB: Suburban; Rural: Rural							

Table 4: Overview of the locations and capacity of the C-CAMS

City	ID	Location	Lat/Lon	Year of Est.	Type	Monitoring Capacity	Inlet & Met tower Height(m)
Faridpur	C-CAMS-17	Sadar, Faridpur (Municipal Office)	23°.60'64.11"N 89°.83'88.19"E	2020	SUB	PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> & NOx with Meteorologic al Parameters	9 & 11
Jashore	C-CAMS-18	Sadar, Jashore (circuit house)	23°.16'22.16"N 89°.20'63.70"E		SUB		12 & 14
Satkhira	C-CAMS-19	Shyamnagar, Satkhira	22°.31'59.96"N 89°.04'31.70"E		Rural		5.2 & 7.2
Bagerhat	C-CAMS-20	Rampal, Bagerhat (Maytree Super Thermal Power Project)	22°.59'60.86"N 89°.55'37.20"E		Rural/ Industrial		5.7 & 7.7
Gopalganj	C-CAMS-21	Sadar, Gopalganj	23°.00'88.53"N 89°.82'91.60"E		SUB		22 & 24
Tangail	C-CAMS-22	Sadar, Tangail (DoE office)	24°.24'97.96"N 89°.92'93.57"E		SUB		15 & 17
Bogura	C-CAMS-23	Sadar, Bogura (DoE Office)	24°.86'17.79"N 89°.36'11.46"E		SUB		9 & 11
Tongi	C-CAMS-24	BSCIC, Tongi, Gazipur	23°.89'41.74"N 90°.41'12.10"E		Com/ Industrial		18 & 20
BUET	C-CAMS-25	Department of Chemical Engineering, BUET, Dhaka	23°.72'75.91"N 90°.39'27.97"E		UB		10 & 12
Brahmanbaria	C-CAMS-26	Sadar, B.Baria (municipal Office)	23°.97'43.71"N 91°.10'97.69"E		SUB		18 & 20
Feni	C-CAMS-27	Sadar, Feni (DoE Office)	23°.00'62.97"N 91°.38'13.05"E		SUB		18 & 20
Noakhali	C-CAMS-28	Maijdi Bazar, Noakhali (DoE Office)	22°.88'11.48"N 91°.09'69.66"E		SUB		15 & 17
Chattogram BSRM	C-CAMS-29	BSRM, Nasirabad, Chattogram	22°.37'28.38"N 91°.81'80.54"E		UB/Indus trial		12 & 14
Cox's-Bazar	C-CAMS-30	Saymon Road, Sadar, Cox's-Bazar (DoE Office)	21°.44'22.08"N 91°.97'10.83"E		SUB		9 & 11
Nagor Bhaban, Dhaka	C-CAMS-31	Nagor Bhaban, DSCC, Dhaka	23°.72'40.75"N 90°.40'91.42"E	UB/Com	13 & 15		

UB: Urban; Rd: Road; Res: residential; Com: Commercial; SUB: Suburban; Rural: Rural

**Table 5: Summary of components June, 2025**

Parameter	Summary	DoE	BARC	Darus-salam, Dhaka	Gazipur	Narayanganj	TV-Station, Chattagram	Agrabad, Chattagram	Sylhet	Khulna	Rajshahi	Barisal	Savar	Mymensingh	Rangpur	Cumilla	Narshingdi
SO <sub>2</sub> -24 hr	Average	4.1	5.5	4.8	6.2	DNA	13.5	DNA	DNA	16.2	6.4	3.9	13.5	DNA	3.6	5.7	5.0
	Max	4.4	6.8	5.0	11.1	DNA	21.9	DNA	DNA	21.4	11.3	6.3	27.9	DNA	15.0	20.3	16.2
	Min	3.8	2.1	4.7	5.4	DNA	8.6	DNA	DNA	9.0	2.7	3.5	1.6	DNA	1.3	0.2	1.8
	Excedance(Days)	0.0	0.0	0.0	0.0	DNA	0.0	DNA	DNA	0.0	0.0	0.0	0.0	DNA	0.0	0.0	0.0
	Data capture(%)	12.9	38.7	51.6	64.5	DNA	96.8	DNA	DNA	96.8	96.8	93.5	41.9	DNA	93.5	71.0	96.8
NO <sub>2</sub> -24 hr	Average	15.6	29.9	3.0	DNA	DNA	1.6	4.2	DNA	2.0	3.3	DNA	12.5	4.2	3.1	4.0	4.7
	Max	22.8	51.5	3.8	DNA	DNA	1.7	6.1	DNA	2.5	3.9	DNA	26.1	4.4	5.5	4.1	6.2
	Min	9.3	0.8	1.7	DNA	DNA	1.5	2.7	DNA	1.4	3.0	DNA	6.9	3.9	2.5	3.9	3.3
	Excedance(Days)	0.0	3.0	0.0	DNA	DNA	0.0	0.0	DNA	0.0	0.0	DNA	0.0	0.0	0.0	0.0	0.0
	Data capture(%)	93.5	74.2	48.4	DNA	DNA	96.8	9.7	DNA	96.8	96.8	DNA	93.5	87.1	93.5	96.8	48.4
CO-8hr	Average	0.2	1.7	DNA	DNA	DNA	3.4	DNA	1.1	0.8	3.1	DNA	0.8	0.5	0.6	1.8	1.1
	Max	0.3	4.0	DNA	DNA	DNA	7.0	DNA	2.1	1.1	5.9	DNA	5.8	2.7	1.6	2.9	5.5
	Min	0.0	0.5	DNA	DNA	DNA	0.3	DNA	0.4	0.1	1.2	DNA	0.1	0.0	0.0	0.3	0.2
	Excedance(Hour)	0.0	0.0	DNA	DNA	DNA	186.0	DNA	0.0	0.0	93.0	DNA	2.0	0.0	0.0	0.0	3.0
	Data capture(%)	6.2	66.0	DNA	DNA	DNA	88.3	DNA	84.0	95.2	94.2	DNA	90.9	81.5	86.2	91.8	11.8
O <sub>3</sub> -8hr	Average	12.8	8.4	DNA	DNA	36.6	4.5	DNA	0.5	11.3	7.0	DNA	26.3	24.8	8.3	DNA	DNA
	Max	36.9	23.5	DNA	DNA	46.5	6.5	DNA	0.6	26.4	20.0	DNA	47.9	46.0	27.7	DNA	DNA
	Min	3.3	0.7	DNA	DNA	21.7	2.7	DNA	0.3	5.9	2.0	DNA	5.7	11.2	1.9	DNA	DNA
	Excedance(Hour)	0.0	0.0	DNA	DNA	0.0	0.0	DNA	0.0	0.0	0.0	DNA	0.0	0.0	0.0	DNA	DNA
	Data capture(%)	81.3	68.4	DNA	DNA	17.6	95.8	DNA	74.9	95.2	95.8	DNA	76.7	94.4	91.4	DNA	DNA
PM <sub>2.5</sub> -24hr	Average	28.8	38.6	31.9	29.3	DNA	23.3	30.4	24.8	16.3	30.3	7.3	27.0	33.0	53.3	19.1	33.6
	Max	70.9	68.7	71.9	64.6	DNA	67.5	53.0	81.8	36.9	77.8	14.3	47.7	61.6	111.1	47.9	89.7
	Min	4.9	27.2	22.7	8.5	DNA	6.7	17.7	7.5	6.0	4.8	4.7	10.2	16.7	16.3	5.4	17.2
	Excedance(Days)	1.0	1.0	1.0	0.0	DNA	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	5.0	0.0	1.0
	Data capture(%)	93.5	74.2	58.1	61.3	DNA	96.8	9.7	96.8	96.8	96.8	93.5	93.5	96.8	64.5	83.9	96.8
PM <sub>10</sub> -24hr	Average	46.7	84.2	51.0	44.4	DNA	DNA	26.8	45.2	50.4	51.8	DNA	63.1	79.4	106.5	38.3	DNA
	Max	68.7	137.0	66.2	71.2	DNA	DNA	35.5	72.7	107.3	101.1	DNA	105.7	133.7	151.7	86.4	DNA
	Min	31.4	56.8	31.5	18.1	DNA	DNA	18.0	28.2	14.5	17.1	DNA	24.5	37.6	63.2	13.5	DNA
	Excedance(Days)	0.0	0.0	0.0	0.0	DNA	DNA	0.0	0.0	0.0	0.0	DNA	0.0	0.0	1.0	0.0	DNA
	Data capture(%)	83.9	35.5	51.6	64.5	DNA	DNA	6.5	96.8	96.8	96.8	DNA	61.3	96.8	29.0	96.8	DNA
Solar rad. 1hr	Average	141.63	126.05	133.3	DNA	DNA	772.1	DNA	DNA	186.3	143.2	96.2	233.4	187.4	324.6	213.6	236.3
	Max	683.60	789.2	1007.2	DNA	DNA	797.3	DNA	DNA	934.9	830.1	783.2	939.4	949.5	986.6	859.0	1014.9
	Min	0.10	0.2	980.0	DNA	DNA	89.4	DNA	DNA	0.2	0.0	6.0	0.0	0.0	0.1	0.0	0.0
	Data capture(%)	54.03	70	93	DNA	DNA	93	DNA	DNA	88	81	88	57.5	70.2	59.4	82.0	74.2
Relative Humidity 1hr	Average	73.65	75.8	77.5	DNA	DNA	44.3	DNA	39.7	91.8	96.0	63.7	81.6	96.1	85.8	94.0	45.7
	Max	90.03	78.1	91.8	DNA	DNA	44.9	DNA	39.8	100.0	96.5	70.4	99.4	99.5	99.7	100.0	83.7
	Min	45.64	46.2	52.7	DNA	DNA	30.0	DNA	39.6	86.2	84.6	58.0	20.9	49.7	48.8	55.0	17.5
	Data capture(%)	94.22	70.7	95.6	DNA	DNA	94	DNA	95	74	95	88	85.1	82.4	89.8	51.1	96.2
Ambient Temp. 1hr	Average	30.47	28.2	15.1	DNA	DNA	22.2	DNA	DNA	30.8	31.8	15.7	28.0	27.9	28.5	27.9	28.1
	Max	39.69	33.1	42.9	DNA	DNA	24.6	DNA	DNA	38.8	39.1	30.6	34.4	34.3	36.1	34.8	35.0
	Min	22.82	23.5	20.3	DNA	DNA	19.4	DNA	DNA	25.2	26.1	22.1	23.0	14.5	13.2	22.7	22.6
	Data capture(%)	94.22	70.6	17	DNA	DNA	86	DNA	DNA	95	95	11	82.7	81.6	86.2	96.8	94.6
Rainfall 1hr	Average	DNA	0.11	DNA	DNA	DNA	DNA	DNA	DNA	0.4	0.1	DNA	0.4	0.3	0.2	0.1	0.1
	Max	DNA	18.4	DNA	DNA	DNA	DNA	DNA	DNA	27.6	18.6	DNA	26.4	19.5	13.5	5.9	13.9
	Min	DNA	0.0	DNA	DNA	DNA	DNA	DNA	DNA	0.0	0.0	DNA	0.0	0.0	0.0	0.0	0.0
	Data capture(%)	DNA	96.8	DNA	DNA	DNA	DNA	DNA	DNA	97	97	DNA	96.8	96.8	96.6	96.8	96.8

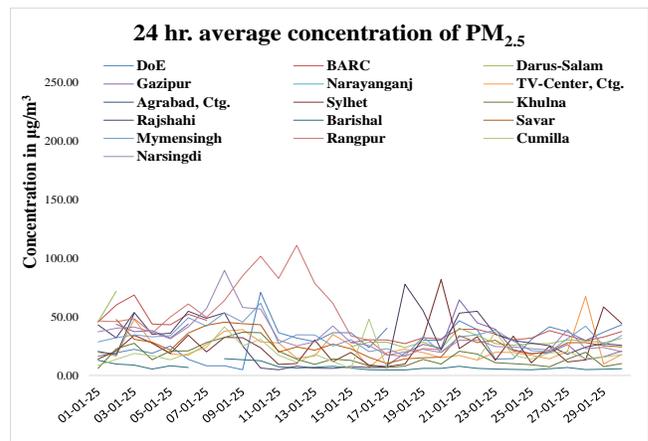
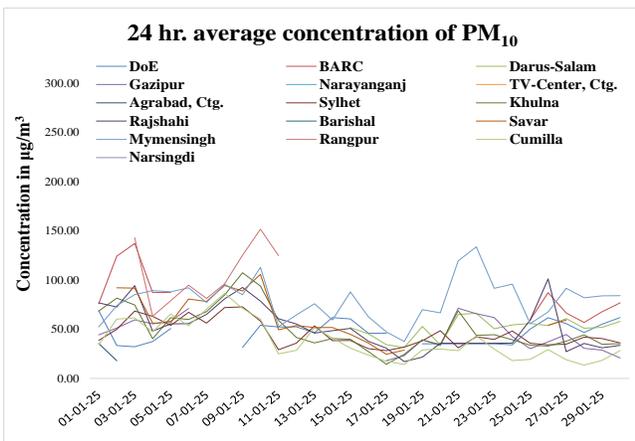
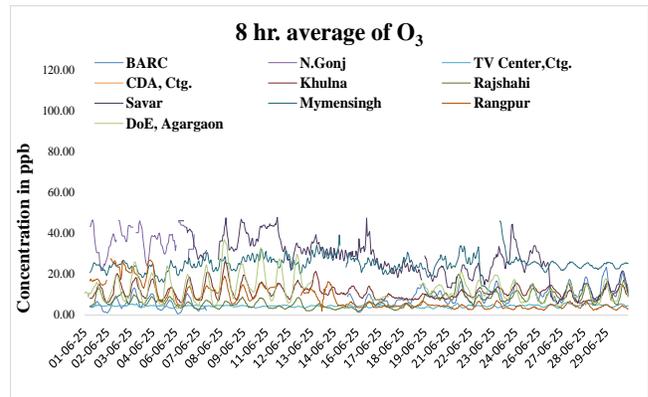
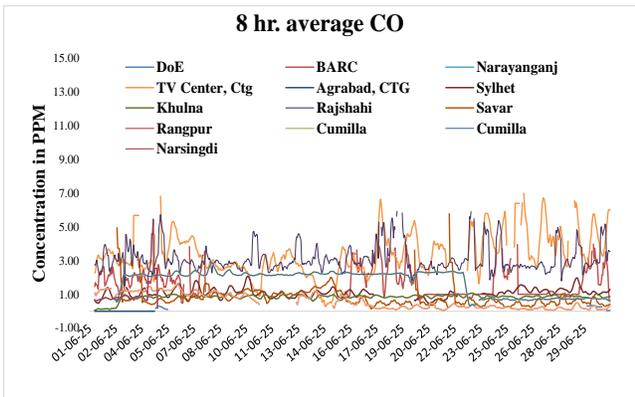
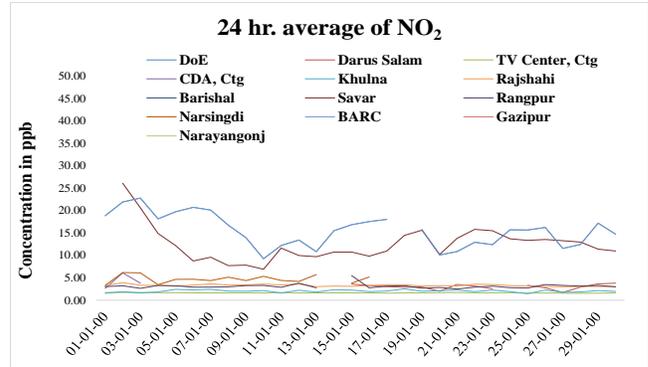
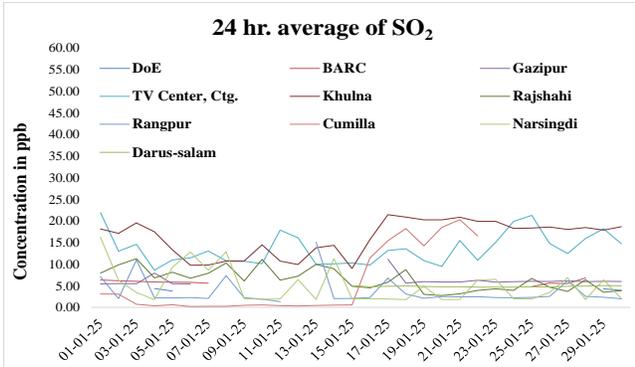
CAMS= Continuous Air Monitoring Station, NAAQS=National Ambient Air Quality Standard, a=Refurbishment CAMS, PM= Particulate Matter

DNA= Data Not Available

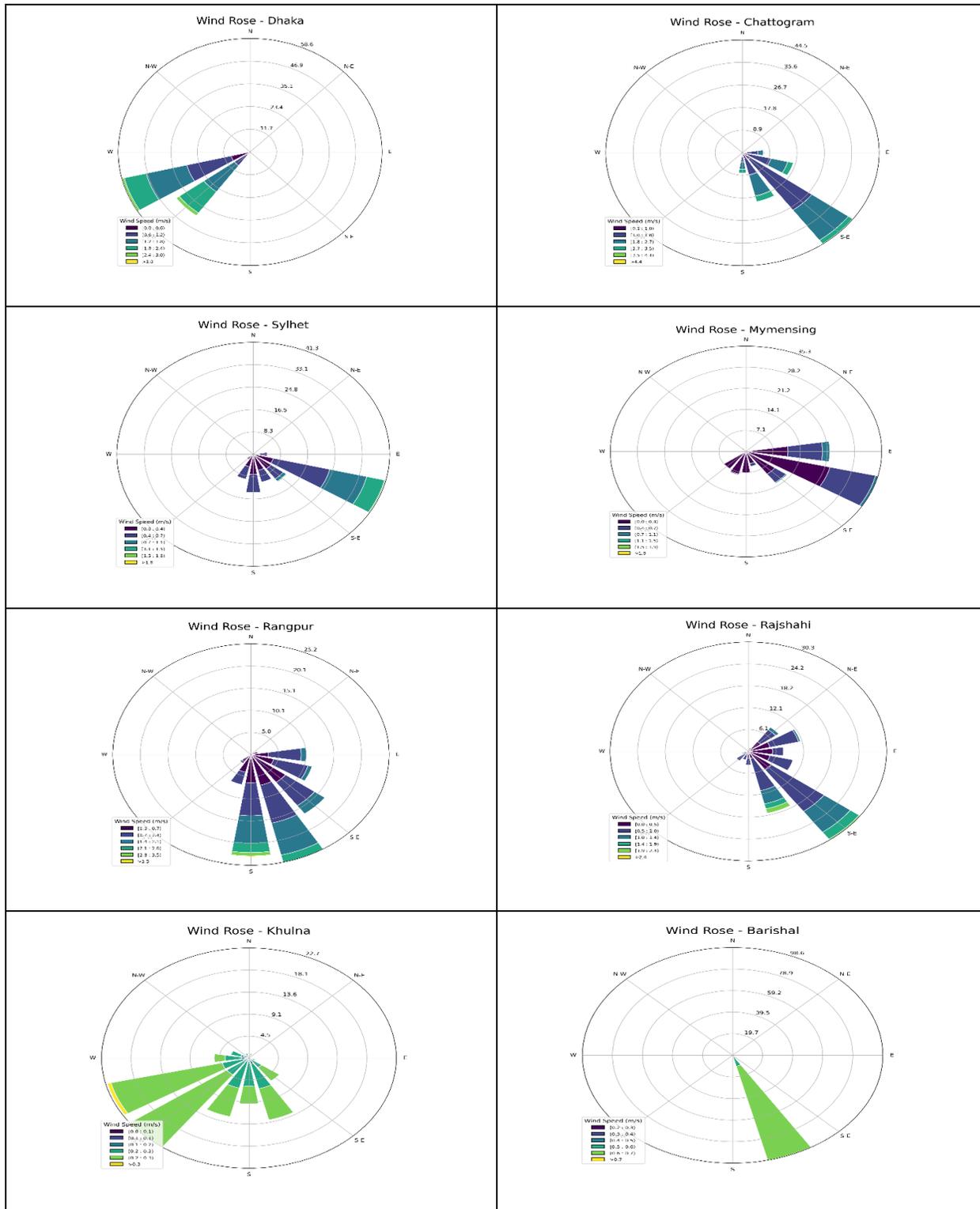
Table 6: Air Quality Index (AQI) June, 2025

Date	Dhaka	Chattogram	Gazipur	Narayanganj	Sylhet	Khulna	Rajshahi	Barishal	Savar	Mymensingh	Rangpur	Cumilla	Norshindi
01-06-25	114	68	118	DNA	55	54	116	DNA	DNA	85	128	63	104
02-06-25	134	62	121	DNA	69	60	97	DNA	DNA	93	123	61	112
03-06-25	135	128	104	DNA	82	84	139	DNA	94	98	110	64	114
04-06-25	115	74	110	DNA	82	52	99	DNA	85	91	101	51	104
05-06-25	111	64	92	DNA	68	69	106	DNA	71	97	136	53	91
06-06-25	98	61	121	DNA	98	69	148	DNA	102	134	153	64	115
07-06-25	82	104	DNA	DNA	67	84	133	DNA	118	117	135	75	151
08-06-25	96	106	DNA	DNA	79	93	145	DNA	125	145	154	115	168
09-06-25	74	111	DNA	DNA	93	103	84	DNA	122	125	166	78	151
10-06-25	156	94	DNA	DNA	75	103	45	DNA	119	153	174	90	151
11-06-25	100	DNA	DNA	DNA	41	69	42	DNA	67	83	164	54	89
12-06-25	90	71	DNA	DNA	39	54	33	DNA	77	97	166	46	78
13-06-25	82	60	DNA	DNA	59	39	42	DNA	69	96	162	64	85
14-06-25	112	97	DNA	DNA	52	57	58	DNA	82	81	154	49	117
15-06-25	95	71	DNA	DNA	68	52	60	DNA	70	91	93	54	84
16-06-25	87	26	DNA	DNA	34	42	27	DNA	57	68	88	67	80
17-06-25	93	17	DNA	DNA	33	27	27	DNA	42	73	62	DNA	61
18-06-25	77	57	65	DNA	38	25	154	DNA	55	60	59	DNA	67
19-06-25	116	49	64	DNA	63	41	50	DNA	56	108	77	DNA	91
20-06-25	96	83	104	DNA	54	66	90	DNA	63	62	DNA	DNA	68
21-06-25	123	40	112	DNA	78	69	144	DNA	97	94	DNA	DNA	88
22-06-25	112	49	131	DNA	95	63	149	DNA	84	98	59	46	89
23-06-25	86	86	110	DNA	52	45	128	DNA	88	91	DNA	104	77
24-06-25	95	65	71	DNA	50	46	87	DNA	69	87	DNA	60	76
25-06-25	99	52	87	DNA	45	40	83	DNA	64	69	DNA	54	73
26-06-25	115	69	64	DNA	83	30	78	DNA	68	66	DNA	65	71
27-06-25	109	70	72	DNA	48	54	63	DNA	84	91	DNA	67	73
28-06-25	100	44	52	DNA	53	66	76	DNA	84	116	DNA	55	73
29-06-25	105	42	58	DNA	50	31	81	DNA	79	80	DNA	58	75
30-06-25	111	63	69	DNA	48	42	74	DNA	76	97	DNA	62	67

Figure 2: Graphical representation of Gaseous and Particulate matter.



# Wind Rose Pattern of Different Divisional Cities of Bangladesh in the Month of June\_2025.



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