



Air Quality Monthly Report

March, 2026



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 ($PM_{2.5}$, PM_{10} , SO_2 , CO, NO_x and O_3) 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 National Ambient Air Quality

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

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

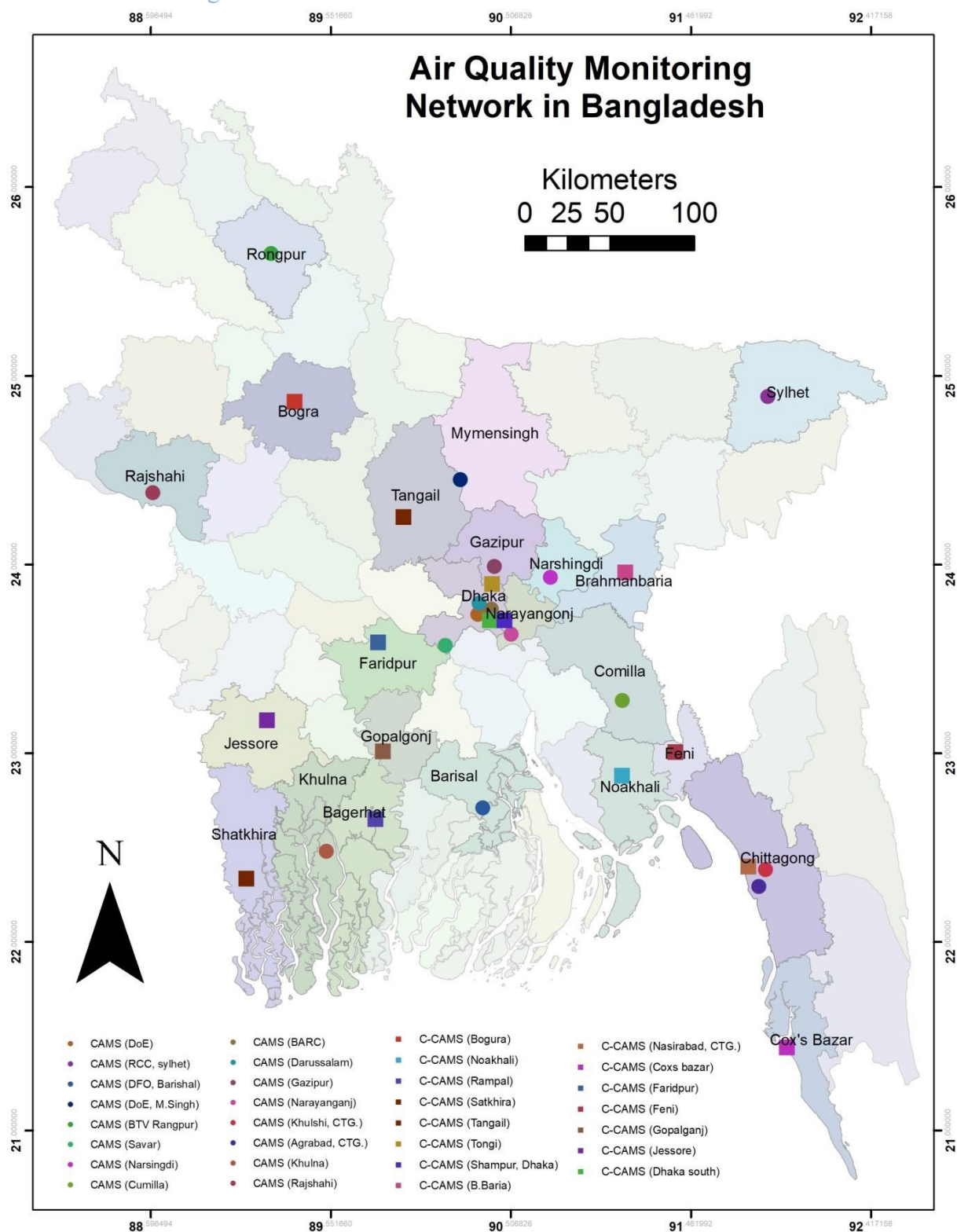
Pollutant	Limit Value	Averaging time
CO	5 mg/m ³	8 hours ^a
	20 mg/m ³	1 hour ^a
Pb	0.25 µg/m ³	Annual
	0.50 µg/m ³	24 hours
NO ₂	40 µg/m ³	Annual
	80 µg/m ³	24 hours
PM ₁₀	50 µg/m ³	Annual ^b
	150 µg/m ³	24 hours ^c
PM _{2.5}	35 µg/m ³	Annual
	65 µg/m ³	24 hours
O ₃	180 µg/m ³	1 hour ^d
	100 µg/m ³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

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	Unhealthy for Sensitive Group	সংবেদনশীল শ্রেণীর জন্য অস্বাস্থ্যকর	Yellow
151-200	Unhealthy	অস্বাস্থ্যকর	Orange
201-300	Very Unhealthy	খুব অস্বাস্থ্যকর	Red
301-500	Hazardous	ঝুঁকিপূর্ণ	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 ₁₀ , PM _{2.5} , SO ₂ , CO, O ₃ & NO _x 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 ₁₀ , PM _{2.5} , SO ₂ , CO, O ₃ & 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	Nagar 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 March, 2026

Parameter	Summary	DoE	BARC	Darus-salam, Dha	Gazipur	Narayanganj	TV-Station	Agrabad, Chattab	Sylhet	Khulna	Rajshahi	Barisal	Savar	Mymensingh	Rangpur	Cumilla	Narshingdi
SO2 -24 hr	Average	9.6	7.1	DNA	DNA	DNA	1.0	2.9	1.2	5.6	5.0	DNA	4.1	8.7	1.8	2.5	3.8
	Max	18.9	11.2	DNA	DNA	DNA	1.0	6.2	1.3	5.7	7.1	DNA	16.1	18.9	12.5	7.8	9.0
	Min	2.1	2.6	DNA	DNA	DNA	0.9	1.7	1.0	5.6	2.4	DNA	0.6	0.3	0.2	0.4	2.0
	Excedance(Days)	0.0	0.0	DNA	DNA	DNA	0.0	0.0	0.0	0.0	0.0	DNA	0.0	0.0	0.0	0.0	0.0
	Data capture(%)	96.8	83.9	DNA	DNA	DNA	100.0	93.5	80.6	74.2	100.0	DNA	96.8	100.0	100.0	48.4	100.0
NO2 -24 hr	Average	22.5	8.83	DNA	DNA	DNA	DNA	DNA	DNA	2.1	4.6	DNA	2.9	2.7	8.9	DNA	37.0
	Max	48.6	25.72	DNA	DNA	DNA	DNA	DNA	DNA	2.7	5.5	DNA	7.1	3.1	35.3	DNA	82.9
	Min	9.1	4.22	DNA	DNA	DNA	DNA	DNA	DNA	1.3	1.3	DNA	0.7	2.5	0.7	DNA	11.9
	Excedance(Days)	2.0	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.0	0.0	DNA	0.0	0.0	0.0	DNA	10.0
	Data capture(%)	100.0	100.00	DNA	DNA	DNA	DNA	DNA	DNA	90.3	96.8	DNA	93.5	100.0	67.7	DNA	100.0
CO-8hr	Average	0.5	1.1	DNA	DNA	DNA	2.3	1.2	DNA	DNA	DNA	DNA	0.5	0.6	1.3	0.5	1.3
	Max	2.3	2.2	DNA	DNA	DNA	5.8	1.5	DNA	DNA	DNA	DNA	1.0	1.6	6.1	2.4	2.1
	Min	0.0	0.3	DNA	DNA	DNA	0.3	0.9	DNA	DNA	DNA	DNA	0.1	0.0	0.1	0.1	0.6
	Excedance(Hour)	0.0	0.0	DNA	DNA	DNA	62.0	0.0	DNA	DNA	DNA	DNA	0.0	0.0	18.0	0.0	0.0
	Data capture(%)	51.6	74.1	DNA	DNA	DNA	96.5	36.2	DNA	DNA	DNA	DNA	33.5	97.6	37.2	52.2	4.6
O3-8hr	Average	10.6	6.2	DNA	DNA	DNA	5.2	7.2	DNA	11.7	5.3	DNA	15.4	16.2	16.9	11.7	19.0
	Max	49.3	33.1	DNA	DNA	DNA	12.7	17.8	DNA	32.1	14.9	DNA	50.5	49.6	39.4	29.3	48.1
	Min	0.1	0.5	DNA	DNA	DNA	1.6	2.7	DNA	4.1	0.0	DNA	1.2	1.5	0.8	0.8	0.9
	Excedance(Hour)	0.0	0.0	DNA	DNA	DNA	0.0	0.0	DNA	0.0	0.0	DNA	0.0	0.0	0.0	0.0	0.0
	Data capture(%)	100.0	96.4	DNA	DNA	DNA	97.2	88.6	DNA	77.0	98.7	DNA	69.9	97.4	95.7	77.8	57.3
PM2.5 -24hr	Average	82.3	98.8	DNA	106.9	DNA	74.0	86.5	55.7	51.0	94.0	48.4	72.1	99.1	66.0	95.1	55.0
	Max	216.0	260.4	DNA	170.8	DNA	141.2	146.0	97.6	122.0	178.8	95.3	185.2	208.6	133.9	239.0	119.5
	Min	35.4	43.4	DNA	50.9	DNA	28.5	28.6	20.8	16.2	22.3	18.3	14.6	26.8	16.0	38.0	24.7
	Excedance(Days)	16.0	21.0	DNA	7.0	DNA	18.0	18.0	12.0	6.0	20.0	6.0	8.0	18.0	12.0	20.0	9.0
	Data capture(%)	93.5	100.0	DNA	29.0	DNA	100.0	90.3	80.6	90.3	90.3	93.5	74.2	100.0	100.0	100.0	100.0
PM10 -24hr	Average	141.0	DNA	DNA	DNA	DNA	101.6	230.9	151.2	102.5	168.0	DNA	DNA	206.2	175.8	112.3	150.3
	Max	356.2	DNA	280.5	DNA	DNA	187.2	298.6	262.1	194.2	346.9	DNA	DNA	320.1	333.8	255.4	337.6
	Min	65.4	DNA	149.0	DNA	DNA	47.8	167.8	50.2	45.5	35.8	DNA	DNA	75.1	42.7	47.8	64.7
	Excedance(Days)	8.0	DNA	10.0	DNA	DNA	5.0	10.0	9.0	4.0	15.0	DNA	DNA	12.0	13.0	6.0	12.0
	Data capture(%)	87.1	DNA	35.5	DNA	DNA	100.0	32.3	64.5	90.3	100.0	DNA	DNA	61.3	100.0	74.2	100.0
Solar rad. 1hr	Average	DNA	170.89	104.8	DNA	DNA	DNA	156.3	DNA	358.5	170.6	87.5	219.9	141.5	295.8	200.4	244.3
	Max	DNA	804.8	1019.6	DNA	DNA	DNA	778.5	DNA	1193.1	801.8	628.2	951.2	773.8	903.1	761.5	927.1
	Min	DNA	0.1	1001.6	DNA	DNA	DNA	6.7	DNA	9.9	0.0	6.1	0.0	0.0	0.1	0.0	0.0
	Data capture(%)	DNA	86	38	DNA	DNA	DNA	99	DNA	72	62	98	69.6	73.8	57.1	71.4	58.5
Relative Humidity 1hr	Average	66.71	49.5	64.4	DNA	DNA	44.8	75.9	DNA	52.0	90.8	DNA	67.9	89.6	84.3	76.3	45.0
	Max	91.86	78.3	93.6	DNA	DNA	44.9	99.6	DNA	72.9	91.0	DNA	99.4	99.6	99.9	100.0	88.7
	Min	23.42	15.3	24.8	DNA	DNA	39.9	32.5	DNA	41.2	83.8	DNA	16.1	34.0	32.8	24.3	17.2
	Data capture(%)	98.66	92.5	41.3	DNA	DNA	97	98	DNA	72	98	DNA	99.9	100.0	98.4	69.8	99.6
Ambient Temp. 1hr	Average	DNA	26.1	20.2	DNA	DNA	25.4	DNA	DNA	28.2	28.3	DNA	24.6	23.4	23.1	25.2	24.4
	Max	DNA	33.1	34.4	DNA	DNA	27.6	DNA	DNA	35.9	38.2	DNA	32.1	30.8	31.2	33.2	32.0
	Min	DNA	18.5	15.0	DNA	DNA	22.9	DNA	DNA	21.0	19.7	DNA	17.3	14.5	16.7	17.9	17.9
	Data capture(%)	DNA	97.4	41	DNA	DNA	97	DNA	DNA	72	97	DNA	99.5	97.0	97.7	98.8	96.2
Rainfall 1hr	Average	DNA	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.00	0.03	0.3	0.03	0.01	0.04	0.01	0.05
	Max	DNA	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.00	5.60	0.7	4.79	0.75	10.55	1.60	6.89
	Min	DNA	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00
	Data capture(%)	DNA	100.00	DNA	DNA	DNA	DNA	DNA	DNA	100.00	100.00	100	100.00	100.00	100.00	100.00	100.00
CAMS= Continuous Air Monitoring Station, NAAQS=National Ambient Air Quality Standard, a=Refurbisment CAMS, PM= Particulate Matter																	
DNA= Data Not Available																	

Table 6: Air Quality Index (AQI) March, 2026

Date	Dhaka	Chattogram	Gazipur	Narayanganj	Sylhet	Khulna	Rajshahi	Barishal	Savar	Mymensingh	Rangpur	Cumilla	Norshingdi
1-03-2026	178	170	201	DNA	157	DNA	189	149	198	212	175	170	DNA
2-03-2026	183	169	191	DNA	155	180	191	157	198	193	168	169	DNA
3-03-2026	206	168	302	DNA	160	185	186	182	182	184	180	178	DNA
4-03-2026	306	184	250	DNA	162	180	215	171	157	229	186	238	176
5-03-2026	265	180	278	DNA	189	177	228	169	118	222	191	284	187
6-03-2026	262	183	245	DNA	200	156	215	153	DNA	241	190	245	177
7-03-2026	173	178	186	DNA	182	140	185	153	DNA	199	190	193	173
8-03-2026	170	171	183	DNA	165	138	175	143	119	233	181	180	158
9-03-2026	184	168	190	DNA	143	121	175	186	190	191	183	176	154
10-03-2026	211	188	219	DNA	163	160	185	158	213	222	178	196	163
11-03-2026	179	188	221	DNA	166	152	186	150	207	258	185	195	170
12-03-2026	170	166	184	DNA	163	153	171	138	181	203	165	174	152
13-03-2026	163	143	171	DNA	169	112	176	168	168	163	105	162	107
14-03-2026	144	103	DNA	DNA	DNA	89	164	71	145	143	105	132	70
15-03-2026	138	106	151	DNA	DNA	70	156	68	115	129	104	129	97
16-03-2026	152	94	163	DNA	DNA	102	156	70	152	92	113	106	99
17-03-2026	153	85	144	DNA	DNA	64	150	181	137	127	109	110	90
18-03-2026	128	87	131	DNA	DNA	57	153	153	120	151	122	124	80
19-03-2026	141	100	176	DNA	DNA	69	113	63	114	135	96	118	100
20-03-2026	151	121	DNA	DNA	87	DNA	156	108	154	134	115	160	128
21-03-2026	116	133	DNA	DNA	76	DNA	70	133	62	82	64	151	81
22-03-2026	115	106	DNA	DNA	71	DNA	117	115	60	84	64	147	85
23-03-2026	158	148	DNA	DNA	157	DNA	155	142	72	163	101	158	140
24-03-2026	159	162	174	DNA	94	DNA	160	116	99	164	150	173	125
25-03-2026	157	160	155	DNA	103	DNA	153	100	DNA	122	114	162	125
26-03-2026	160	163	160	DNA	136	DNA	152	114	DNA	171	126	153	83
27-03-2026	170	193	166	DNA	118	DNA	167	100	DNA	177	116	176	156
28-03-2026	147	191	146	DNA	153	DNA	154	179	DNA	128	74	156	DNA
29-03-2026	162	183	155	DNA	82	DNA	151	135	DNA	145	83	162	DNA
30-03-2026	160	186	156	DNA	83	DNA	151	118	DNA	164	80	155	DNA
31-03-2026	157	166	155	DNA	69	DNA	159	158	DNA	141	101	131	83

Figure 2: Graphical representation of Gaseous and Particulate matter.

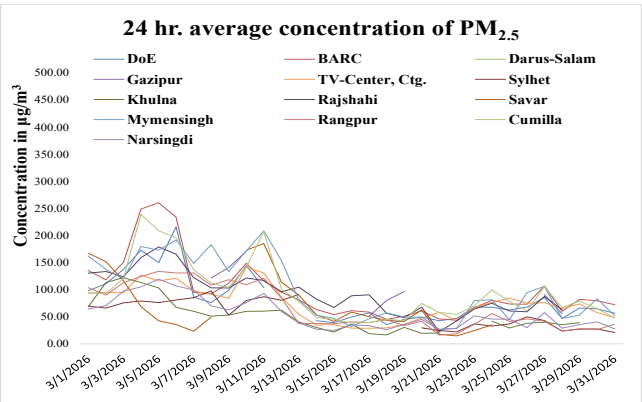
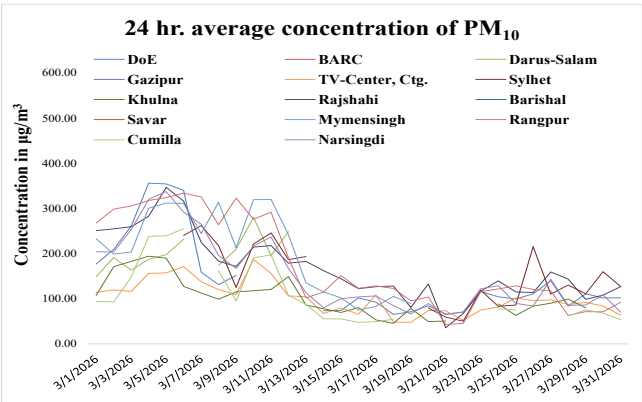
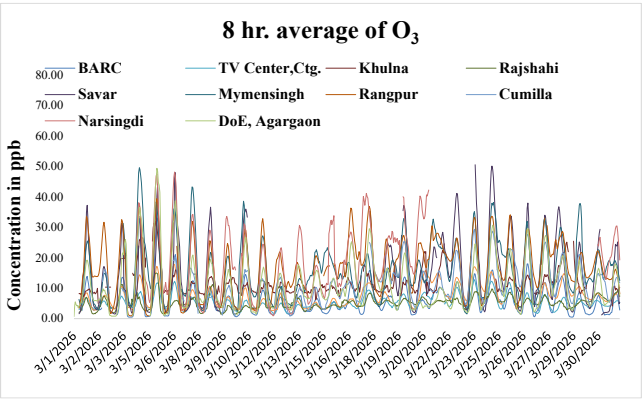
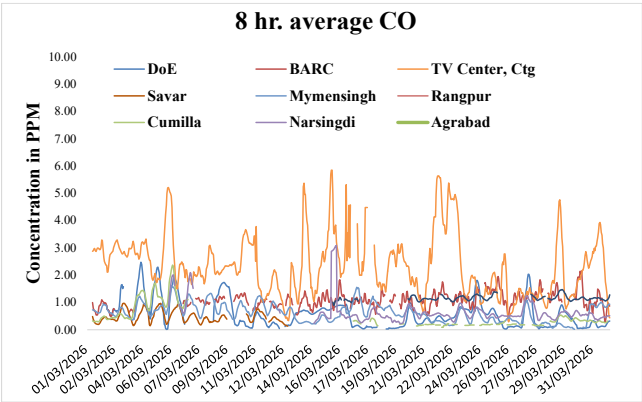
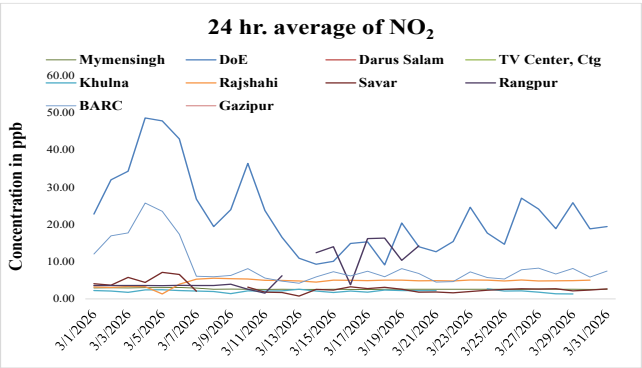
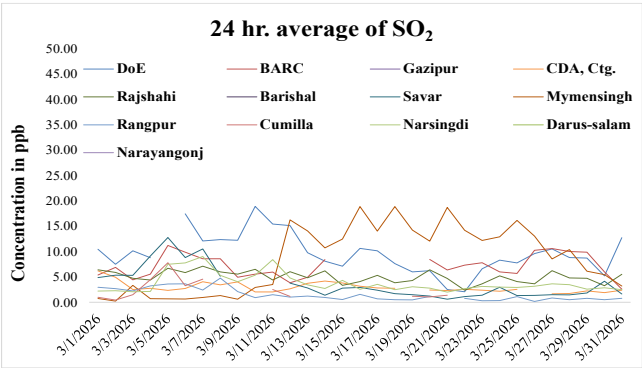
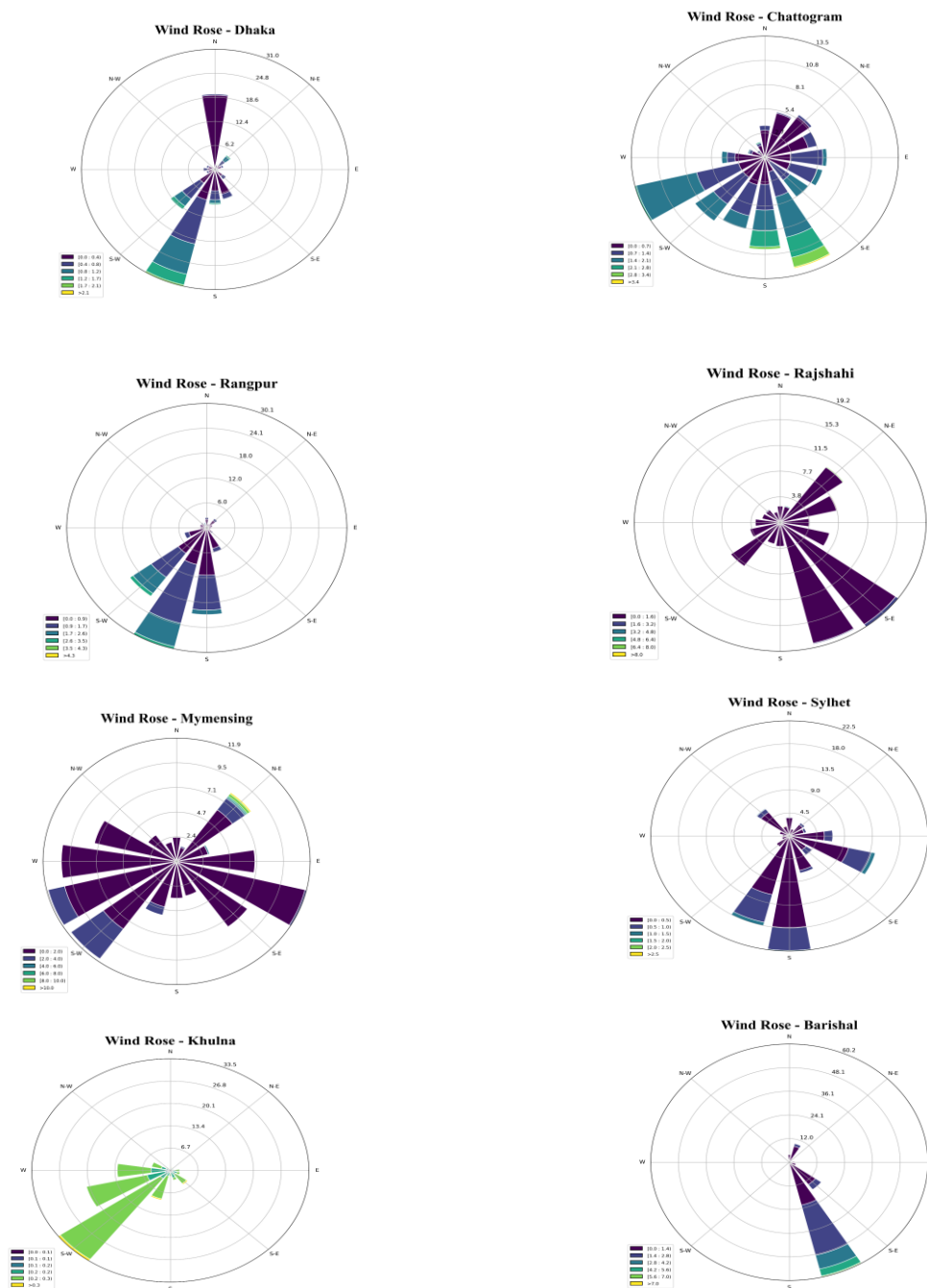


Figure 3: Wind Rose Pattern of Different Divisional Cities of Bangladesh in the Month of March_2026.



CONTACT US

Call us: (+880)2223375037;

E-mail us: aqm.doe@gmail.com

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

More information: <http://www.doe.portal.gov.bd>

