



Air Quality Monthly Report

January, 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 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

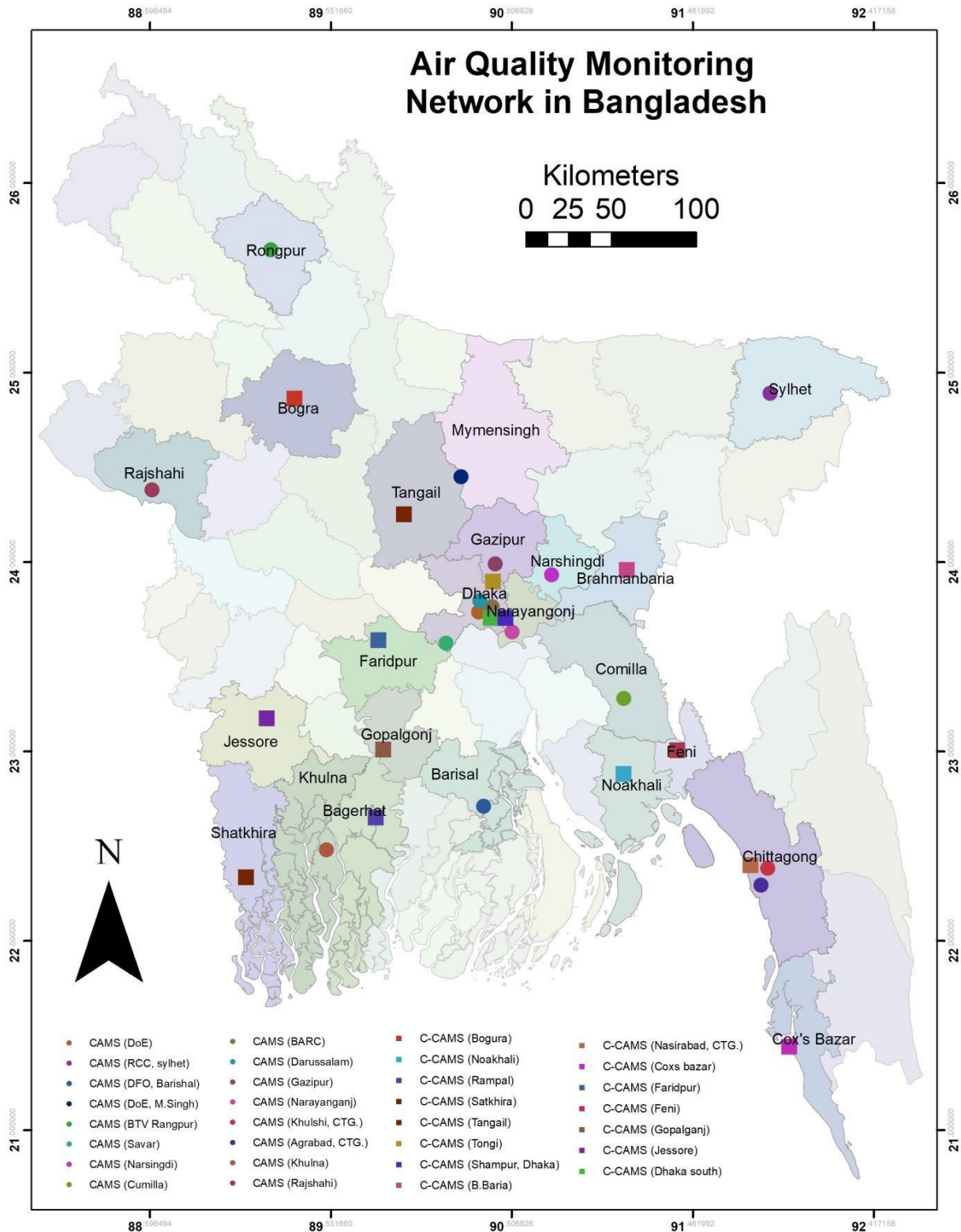
Pollutant	Limit Value	Averaging time
CO	5 mg/m ³	8 hours ^a
	20 mg/m ³	1 hour ^a
Pb	0.25 µg/m ³	Annual
	0.50 µg/m ³	24 hours
NO ₂	40 µg/m ³	Annual
	80 µg/m ³	24 hours
PM ₁₀	50 µg/m ³	Annual ^b
	150 µg/m ³	24 hours ^c
PM _{2.5}	35 µg/m ³	Annual
	65 µg/m ³	24 hours
O ₃	180 µg/m ³	1 hour ^d
	100 µg/m ³	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 January, 2026

Parameter	Summary	DoE	BARC	Darus-salam, Dhaka	Gazipur	Narayanganj	TV-Station, Chattagram	Agrabad, Chattagram	Sylhet	Khulna	Rajshahi	Barisal	Savar	Mymensingh	Rangpur	Cumilla	Narshingdi
SO ₂ -24 hr (ppb)	Average	10.8	11.5	DNA	7.3	DNA	1.0	2.2	1.2	5.8	3.0	DNA	3.1	2.4	6.2	15.9	4.6
	Max	27.9	41.8	DNA	8.6	DNA	1.0	7.1	1.3	13.8	6.4	DNA	6.6	14.1	10.1	52.6	19.8
	Min	1.2	1.1	DNA	6.6	DNA	0.9	1.3	1.1	0.9	0.8	DNA	0.3	0.6	1.3	0.5	1.5
	Excedance(Days)	0.0	1.0	DNA	0.0	DNA	0.0	0.0	0.0	0.0	0.0	DNA	0.0	0.0	0.0	9.0	0.0
	Data capture(%)	100.0	64.5	DNA	100.0	DNA	83.9	93.5	100.0	100.0	100.0	DNA	93.5	100.0	96.8	100.0	93.5
NO ₂ -24 hr (ppb)	Average	34.1	15.39	4.8	DNA	DNA	DNA	21.4	24.1	2.1	3.1	DNA	5.0	3.2	2.9	1.6	19.8
	Max	55.0	33.52	8.8	DNA	DNA	DNA	46.5	24.1	4.2	6.9	DNA	8.7	3.3	8.1	3.0	45.5
	Min	12.5	3.86	1.4	DNA	DNA	DNA	10.2	24.1	1.7	2.8	DNA	2.5	2.9	1.0	0.9	5.1
	Excedance(Days)	8.0	0.00	0.0	DNA	DNA	DNA	1.0	0.0	0.0	0.0	DNA	0.0	0.0	0.0	0.0	1.0
	Data capture(%)	100.0	83.87	100.0	DNA	DNA	DNA	83.9	100.0	100.0	100.0	DNA	51.6	100.0	100.0	93.5	61.3
CO-8hr (ppm)	Average	0.7	0.8	DNA	DNA	0.7	4.3	1.4	DNA	1.3	0.9	DNA	0.8	1.0	1.4	1.2	1.6
	Max	3.4	9.9	DNA	DNA	1.2	13.6	4.6	DNA	3.5	1.3	DNA	1.4	1.9	9.1	4.1	5.0
	Min	0.1	0.2	DNA	DNA	0.5	2.2	0.8	DNA	0.1	0.6	DNA	0.2	0.5	0.2	0.1	1.1
	Excedance(Hour)	0.0	8.0	DNA	DNA	0.0	268.0	1.0	DNA	0.0	0.0	DNA	0.0	0.0	29.0	1.0	7.0
	Data capture(%)	97.6	73.3	DNA	DNA	99.1	98.5	84.4	DNA	92.7	99.1	DNA	82.5	99.1	100.0	98.8	91.1
O ₃ -8hr (ppb)	Average	15.4	23.8	DNA	7.7	5.6	5.6	11.2	0.4	9.3	1.7	21.06	9.6	6.5	4.8	10.9	48.2
	Max	46.0	169.5	DNA	8.3	36.3	14.1	49.0	0.5	25.7	5.3	66.62	46.8	40.9	30.3	46.1	110.1
	Min	0.2	2.0	DNA	7.0	0.2	2.4	2.6	0.3	1.4	0.1	0.68	1.2	0.1	0.2	0.3	0.3
	Excedance(Hour)	0.0	83.0	DNA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	271.0
	Data capture(%)	100.0	74.7	DNA	71.5	61.3	96.9	89.5	64.0	98.9	99.1	94.89	88.8	92.7	98.8	98.1	83.2
PM _{2.5} -24hr (ug/m3)	Average	114.1	70.0	209.6	149.8	242.5	119.4	104.6	53.0	146.2	138.2	129.2	107.2	118.8	154.7	122.1	100.9
	Max	156.2	159.9	364.3	229.7	387.0	271.3	189.0	106.6	284.6	195.1	191.3	171.2	148.9	283.1	188.0	161.0
	Min	51.6	20.1	85.2	70.7	173.2	61.4	64.9	28.5	75.7	74.3	42.5	34.7	61.5	44.7	58.1	44.4
	Excedance(Days)	30.0	16.0	13.0	9.0	31.0	28.0	24.0	5.0	31.0	31.0	26.0	25.0	30.0	28.0	30.0	22.0
	Data capture(%)	100.0	80.6	41.9	29.0	100.0	100.0	80.6	96.8	100.0	100.0	90.3	93.5	100.0	100.0	100.0	90.3
PM ₁₀ -24hr (ug/m3)	Average	194.2	123.9	183.9	190.7	DNA	DNA	222.2	124.9	166.7	290.6	DNA	DNA	227.5	130.6	186.5	162.5
	Max	269.4	276.8	313.4	311.3	DNA	DNA	475.8	202.3	251.2	461.0	DNA	DNA	320.2	284.7	248.7	235.1
	Min	83.7	19.8	53.6	98.7	DNA	DNA	123.8	74.2	53.3	144.8	DNA	DNA	123.8	80.3	128.4	82.3
	Excedance(Days)	27.0	3.0	8.0	2.0	DNA	DNA	24.0	6.0	22.0	20.0	DNA	DNA	18.0	9.0	12.0	17.0
	Data capture(%)	100.0	51.6	38.7	12.9	DNA	DNA	87.1	100.0	100.0	67.7	DNA	DNA	67.7	100.0	45.2	93.5
Solar rad. 1hr (W/m2)	Average	150.71	211.17	65.8	DNA	DNA	717.0	112.3	4.28	674.8	136.6	58.7	180.1	111.0	247.9	153.8	241.7
	Max	478.40	546.4	429.7	DNA	DNA	797.3	550.5	4.55	989.1	553.9	286.3	595.1	422.8	684.1	541.7	727.8
	Min	0.10	0.1	7.1	DNA	DNA	65.3	6.5	3.85	40.2	0.0	6.1	0.0	0.0	0.1	0.0	0.0
	Data capture(%)	39.92	8	100	DNA	DNA	96	90	94.76	73	50	100	56.2	58.2	46.1	65.1	38.3
Relative Humidity 1hr (%)	Average	67.88	73.54	72.4	DNA	DNA	44.7	70.7	39.70	69.8	90.4	87.0	70.0	88.9	85.0	77.3	35.6
	Max	92.94	99.36	96.9	DNA	DNA	45.5	99.8	39.78	89.8	90.7	89.0	99.4	99.5	99.9	100.0	81.8
	Min	37.26	32.58	35.9	DNA	DNA	35.0	25.9	39.62	59.1	90.1	83.9	26.1	37.8	39.1	32.5	15.4
	Data capture(%)	97.85	98.0	100.0	DNA	DNA	96	86	94.76	97	98	100	88.4	100.0	99.2	63.8	85.5
Ambient Temp. 1hr (degreeC)	Average	DNA	17.21	27.4	DNA	DNA	20.34	21.5	DNA	18.1	20.0	DNA	18.8	18.2	17.1	19.2	18.5
	Max	DNA	24.88	32.4	DNA	DNA	29.6	30.2	DNA	27.2	30.0	DNA	27.2	27.1	26.6	29.0	28.1
	Min	DNA	10.44	9.4	DNA	DNA	11.57	10.1	DNA	11.4	10.9	DNA	11.3	11.6	10.1	11.8	11.8
	Data capture(%)	DNA	98.0	85	DNA	DNA	94	56	DNA	97	98	DNA	88.2	99.7	96.4	96.9	75.3
Rainfall 1hr (mm)	Average	0.00	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.00	0.00	DNA	0.00	0.01	0.37	0.00	0.00
	Max	0.00	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.00	0.00	DNA	0.30	1.20	55.50	0.00	0.08
	Min	0.00	0.00	DNA	DNA	DNA	DNA	DNA	DNA	0.00	0.00	DNA	0.00	0.00	0.00	0.00	0.00
	Data capture(%)	99.46	100.00	DNA	DNA	DNA	DNA	DNA	DNA	90.86	100.00	DNA	100.00	100.00	100.00	100.00	100.00
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) January, 2026

Date	Dhaka	Chattogram	Gazipur	Narayangonj	Sylhet	Khulna	Rajshahi	Barishal	Savar	Mymensingh	Rangpur	Cumilla	Norshingdi
1/1/2026	296	162	222	DNA	160	151	200	196	172	211	170	166	173
1/2/2026	313	171	DNA	DNA	150	107	209	217	176	179	174	148	159
1/3/2026	322	200	DNA	DNA	155	DNA	245	231	196	213	178	148	173
1/4/2026	339	173	DNA	DNA	161	180	186	174	DNA	196	163	163	177
1/5/2026	217	176	DNA	DNA	159	191	170	195	160	160	153	178	161
1/6/2026	210	181	DNA	DNA	153	178	151	187	156	171	160	175	173
1/7/2026	244	208	DNA	DNA	166	187	155	200	175	175	176	186	164
1/8/2026	260	180	DNA	DNA	DNA	184	205	242	186	213	160	202	180
1/9/2026	250	210	DNA	DNA	DNA	DNA	202	218	185	190	173	DNA	168
1/10/2026	277	230	DNA	DNA	DNA	DNA	200	232	DNA	223	164	DNA	180
1/11/2026	244	244	DNA	DNA	DNA	DNA	231	DNA	177	185	171	217	174
1/12/2026	183	149	DNA	DNA	DNA	87	142	105	DNA	109	92	176	91
1/13/2026	166	136	DNA	DNA	DNA	93	118	DNA	106	112	103	182	96
1/14/2026	241	202	DNA	DNA	157	179	195	DNA	183	185	175	203	167
1/15/2026	229	228	DNA	DNA	152	175	195	DNA	178	176	173	211	175
1/16/2026	225	218	DNA	DNA	169	181	190	DNA	186	191	174	292	175
1/17/2026	218	201	DNA	DNA	167	178	206	DNA	176	179	183	231	DNA
1/18/2026	222	138	DNA	DNA	190	191	254	DNA	179	190	181	220	172
1/19/2026	222	138	DNA	DNA	190	191	254	DNA	179	190	181	220	172
1/20/2026	248	205	DNA	DNA	160	211	264	DNA	185	187	189	186	DNA
1/21/2026	241	253	DNA	DNA	195	208	224	DNA	192	191	189	270	184
1/22/2026	213	185	208	DNA	164	182	190	221	174	179	185	292	172
1/23/2026	256	208	DNA	DNA	DNA	195	221	DNA	183	192	204	254	171
1/24/2026	262	227	DNA	DNA	DNA	211	241	DNA	DNA	196	185	224	187
1/25/2026	260	252	257	DNA	156	242	232	DNA	DNA	194	185	292	189
1/26/2026	211	192	248	DNA	180	204	196	DNA	176	178	190	285	164
1/27/2026	219	206	219	DNA	157	173	187	DNA	127	246	187	235	177
1/28/2026	210	187	242	DNA	138	171	211	DNA	173	245	179	227	181
1/29/2026	232	198	249	DNA	190	180	255	223	246	225	191	339	187
1/30/2026	187	170	187	DNA	203	148	178	185	184	169	164	195	160
1/31/2026	210	187	242	DNA	138	171	211	DNA	173	245	179	227	181

Figure 2: Graphical representation of Gaseous and Particulate matter.

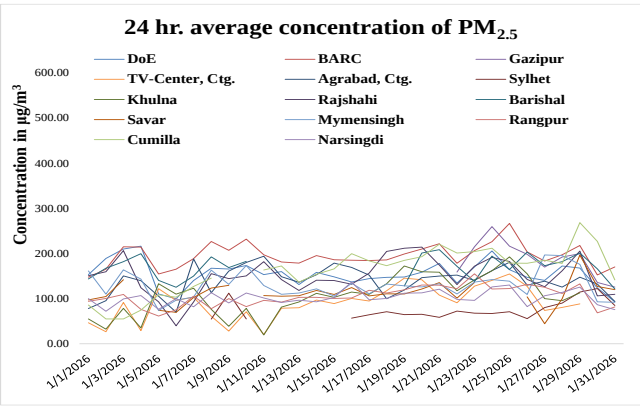
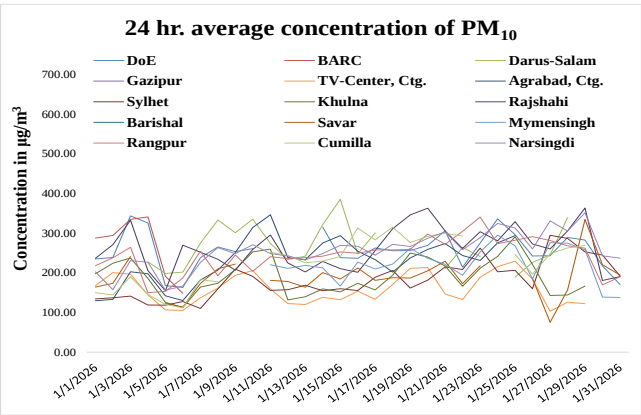
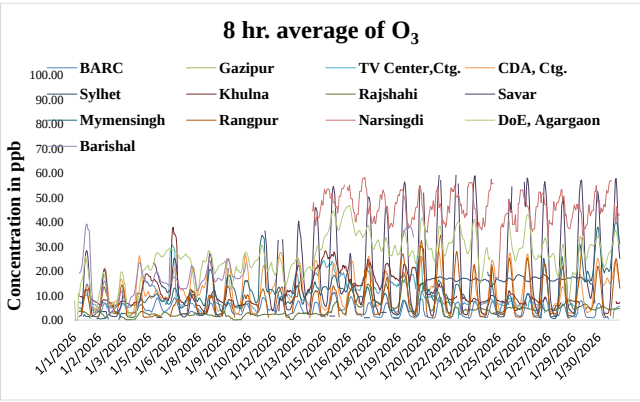
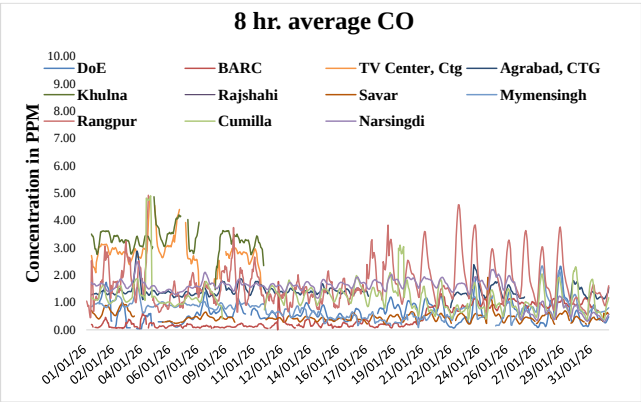
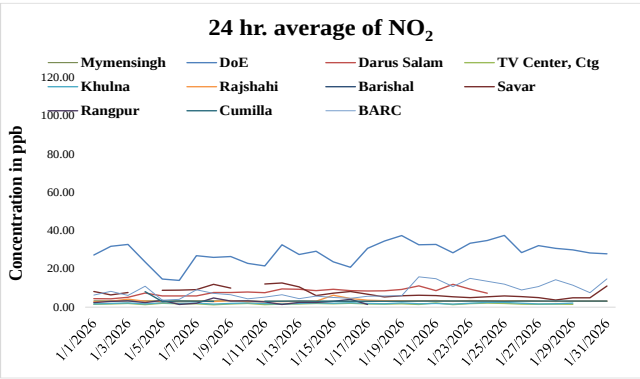
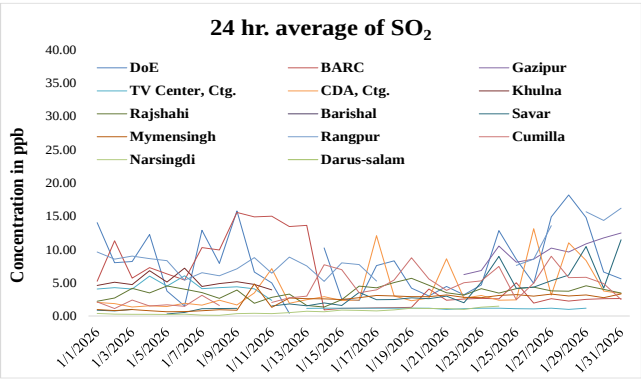


Figure 3: Wind Rose Pattern of Different Divisional Cities of Bangladesh in the Month of January_2026.

