Air Quality Monthly Report

November, 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 ($PM_{2.5}$, PM_{10}, SO_2, CO, NOx 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

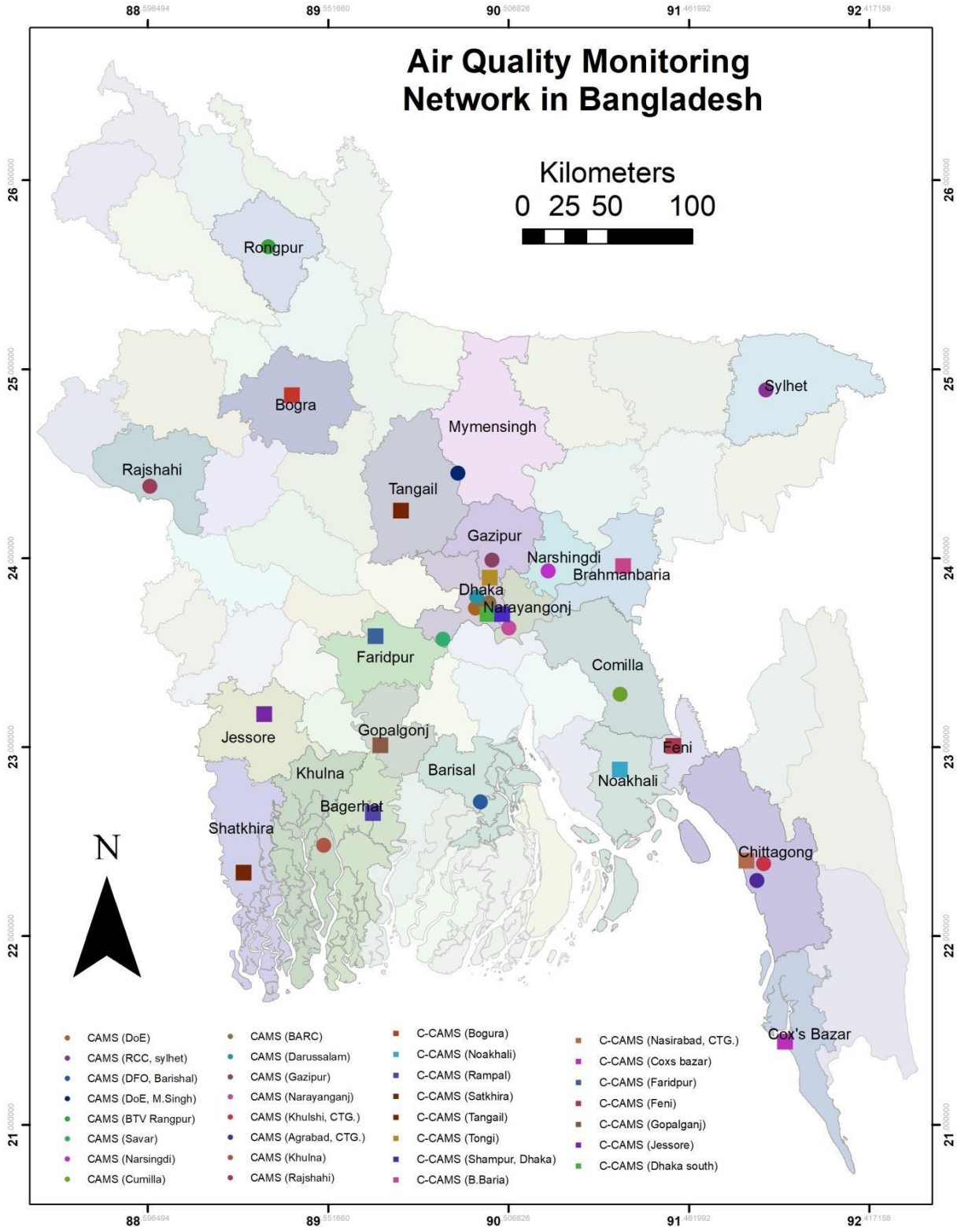
Pollutant	Limit Value	Averaging time
CO	5 mg/m^3	8 hours[a]
	20 mg/m^3	1 hour[a]
Pb	0.25 µg/m^3	Annual
	0.50 µg/m^3	24 hours
NO_2	40 µg/m^3	Annual
	80 µg/m^3	24 hours
PM_{10}	50 µg/m^3	Annual[b]
	150 µg/m^3	24 hours[c]
$PM_{2.5}$	35 µg/m^3	Annual
	65 µg/m^3	24 hours
O_3	180 µg/m^3	1 hour[d]
	100 µg/m^3	8 hours
SO_2	250 µg/m3	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 & NOx 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 Meteorological 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/Industrial		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 November, 2025

Parameter	Summary	DoE	BARC	Darus-sala	Gazipur	Narayangan	TV-Station	Agrabad, C	Sylhet	Khulna	Rajshahi	Barisal	Savar	Mymensingh	Rangpur	Cumilla	Narshingdi
SO2 -24 hr	Average	9.7	2.2	DNA	10.3	DNA	1.0	1.7	1.2	5.7	2.0	DNA	2.5	4.7	0.7	3.2	1.6
	Max	17.7	4.8	DNA	11.2	DNA	1.0	2.3	1.3	8.6	3.5	DNA	8.6	13.9	1.3	7.7	3.5
	Min	3.5	0.7	DNA	10.1	DNA	0.9	1.4	1.0	0.1	1.0	DNA	0.4	0.9	0.3	0.7	0.4
	Excedance(Days)	0.0	0.0	DNA	0.0	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	96.8	DNA	96.8	DNA	67.7	25.8	96.8	12.9	96.8	DNA	90.3	54.8	45.2	64.5	96.8
NO2 -24 hr	Average	30.5	14.76	3.4	0.2	DNA	2.5	19.7	DNA	3.9	4.0	DNA	12.5	0.4	4.1	0.5	2.5
	Max	51.1	23.71	6.6	0.2	DNA	8.2	22.8	DNA	5.7	11.6	DNA	20.1	1.7	25.5	3.4	3.0
	Min	10.1	6.10	1.3	0.2	DNA	1.8	15.9	DNA	2.4	2.5	DNA	5.1	0.1	0.4	0.1	2.0
	Excedance(Days)	5.0	0.00	0.0	0.0	DNA	0.0	0.0	DNA	0.0	0.0	DNA	0.0	0.0	0.0	0.0	0.0
	Data capture(%)	96.8	35.48	96.8	96.8	DNA	32.3	25.8	DNA	96.8	96.8	DNA	90.3	93.5	64.5	61.3	87.1
CO-8hr	Average	0.7	1.0	DNA	1.2	1.0	3.8	1.0	DNA	2.3	4.7	DNA	0.8	1.2	0.9	1.1	0.9
	Max	3.3	2.8	DNA	4.0	1.0	8.7	1.9	DNA	4.2	13.9	DNA	4.6	3.7	9.2	3.6	4.0
	Min	0.0	0.3	DNA	0.7	0.9	0.3	0.1	DNA	0.2	0.5	DNA	0.0	0.0	0.1	0.5	0.2
	Excedance(Hour)	0.0	0.0	DNA	0.0	0.0	231.0	0.0	DNA	28.0	257.0	DNA	5.0	0.0	8.0	0.0	1.0
	Data capture(%)	95.4	95.8	DNA	39.9	30.0	95.8	24.7	DNA	90.7	91.9	DNA	84.5	95.4	86.6	91.4	95.8
O3-8hr	Average	16.5	5.0	DNA	DNA	5.2	5.4	13.3	DNA	16.2	2.1	DNA	12.6	6.0	5.8	12.6	9.3
	Max	53.6	43.0	DNA	DNA	5.3	11.8	42.1	DNA	41.6	22.8	DNA	49.8	25.2	26.3	34.2	41.6
	Min	0.1	0.8	DNA	DNA	5.0	2.2	2.8	DNA	5.4	0.1	DNA	0.4	0.4	0.1	0.3	0.2
	Excedance(Hour)	4.0	0.0	DNA	DNA	0.0	0.0	0.0	DNA	0.0	0.0	DNA	0.0	0.0	0.0	0.0	0.0
	Data capture(%)	95.7	66.0	DNA	DNA	28.8	95.8	24.7	DNA	94.4	90.1	DNA	83.2	95.8	85.6	91.3	95.8
PM2.5 -24hr	Average	86.6	76.7	122.7	171.7	DNA	84.3	102.5	37.9	85.3	103.8	75.4	59.7	173.8	126.2	84.8	84.0
	Max	137.1	123.4	182.0	272.6	DNA	156.7	133.2	71.2	182.0	157.3	109.8	127.6	334.7	229.7	135.0	158.8
	Min	20.8	26.1	42.8	109.4	DNA	6.8	82.5	18.5	12.7	15.3	12.8	11.2	33.4	22.2	33.5	37.4
	Excedance(Days)	22.0	21.0	17.0	30.0	DNA	20.0	6.0	2.0	24.0	24.0	18.0	10.0	27.0	24.0	18.0	14.0
	Data capture(%)	96.8	96.8	67.7	96.8	DNA	96.8	19.4	96.8	96.8	96.8	83.9	87.1	96.8	90.3	93.5	77.4
PM10 -24hr	Average	150.5	81.2	139.1	205.9	DNA	DNA	258.7	93.3	95.2	190.3	DNA	DNA	309.7	80.2	126.6	81.7
	Max	271.6	135.5	199.3	258.0	DNA	DNA	310.1	146.3	202.5	279.7	DNA	DNA	429.2	133.1	225.2	141.9
	Min	43.7	17.0	72.6	135.3	DNA	DNA	228.1	46.4	14.0	32.0	DNA	DNA	184.1	13.1	20.9	35.0
	Excedance(Days)	10.0	0.0	5.0	2.0	DNA	DNA	7.0	0.0	7.0	18.0	DNA	DNA	27.0	0.0	11.0	0.0
	Data capture(%)	71.0	96.8	45.2	9.7	DNA	DNA	22.6	96.8	96.8	74.2	DNA	DNA	87.1	90.3	93.5	96.8
Solar rad. 1hr	Average	182.53	241.31	95.5	DNA	DNA	735.8	146.5	DNA	172.9	162.2	81.5	227.1	87.0	310.6	191.6	323.2
	Max	564.70	711.5	722.8	DNA	DNA	797.3	642.5	DNA	991.4	709.0	368.4	744.9	412.0	822.5	628.5	780.6
	Min	0.30	0.1	7.1	DNA	DNA	272.7	6.4	DNA	4.1	0.1	6.2	0.0	0.0	0.1	0.0	0.0
	Data capture(%)	40.46	59	82	DNA	DNA	97	24	DNA	52	51	81	55.5	56.0	42.9	62.8	49.9
tive Humidit	Average	63.43	42.6	67.9	DNA	DNA	44.7	64.5	DNA	98.9	90.4	74.7	68.5	94.0	81.0	73.8	37.1
	Max	92.01	78.2	93.5	DNA	DNA	45.1	94.5	DNA	100.0	98.5	87.8	99.5	99.4	99.8	100.0	88.0
	Min	29.39	15.1	34.4	DNA	DNA	37.4	25.5	DNA	89.1	81.3	60.9	28.6	41.7	33.0	29.5	15.0
	Data capture(%)	94.35	88.4	96.8	DNA	DNA	97	24	DNA	15	89	81	82.9	96.8	86.0	54.4	90.2
bient Temp.	Average	DNA	25.5	28.9	DNA	DNA	26.2	DNA	DNA	25.3	25.7	DNA	23.2	19.7	22.4	23.6	23.6
	Max	DNA	32.4	32.8	DNA	DNA	28.9	DNA	DNA	33.0	34.6	DNA	30.0	28.9	31.0	31.5	30.9
	Min	DNA	18.8	7.4	DNA	DNA	22.8	DNA	DNA	18.6	18.2	DNA	16.5	14.4	15.5	16.3	16.8
	Data capture(%)	DNA	94.0	20	DNA	DNA	93	DNA	DNA	89	89	DNA	82.3	96.5	83.2	89.9	95.2
Rainfall 1hr	Average	DNA	0.04	DNA	DNA	DNA	DNA	DNA	DNA	0.00	0.01	DNA	0.07	0.49	0.10	0.00	0.01
	Max	DNA	19.80	DNA	DNA	DNA	DNA	DNA	DNA	0.00	3.20	DNA	19.80	4.48	20.70	0.33	0.83
	Min	DNA	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(%)	DNA	100.00	DNA	DNA	DNA	DNA	DNA	DNA	100.00	100.00	DNA	100.00	100.00	100.00	100.00	100.00

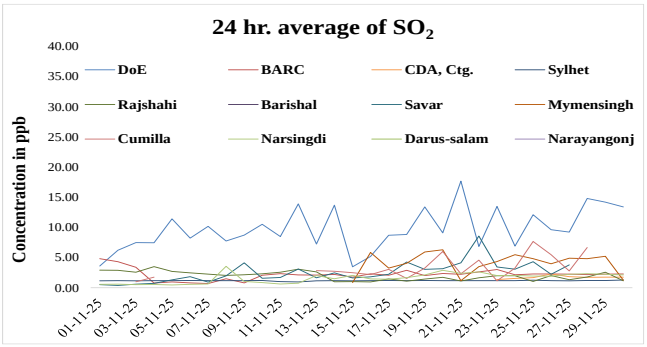
CAMS= Continuous Air Monitoring Station, NAAQS=National Ambient Air Quality Standard, a=Refurbisment CAMS, PM= Particulate Matter

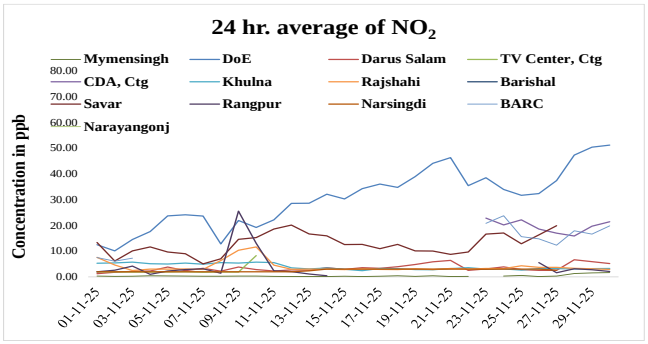
DNA= Data Not Available

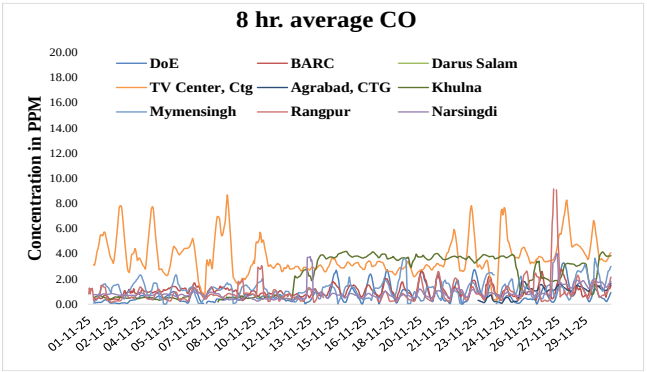
Table 6: Air Quality Index (AQI) November, 2025

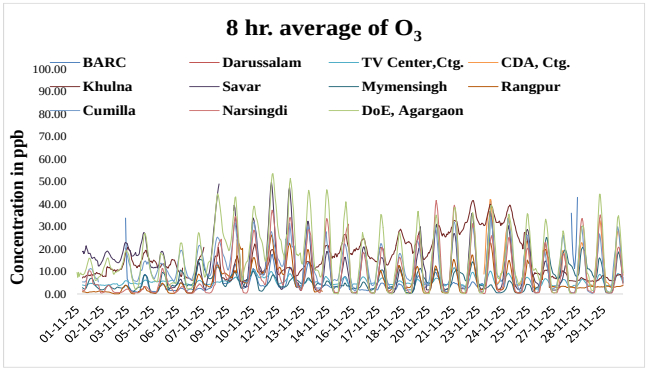
Date	Dhaka	Chattogram	Gazipur	Narayangonj	Sylhet	Khulna	Rajshahi	Barishal	Savar	Mymensingh	Rangpur	Cumilla	Norshingdi
01-11-25	118	40	DNA	DNA	83	99	57	52	87	84	72	95	DNA
02-11-25	91	44	DNA	DNA	64	115	80	78	47	86	81	DNA	DNA
03-11-25	97	28	DNA	DNA	85	67	58	83	79	84	155	115	105
04-11-25	110	88	90	49	DNA	DNA	55	43	DNA	115	97	70	82
05-11-25	95	92	94	60	DNA	DNA	50	34	DNA	75	73	61	73
06-11-25	170	85	DNA	DNA	59	84	173	166	129	110	140	148	151
07-11-25	172	94	DNA	DNA	73	167	172	152	119	89	182	143	152
08-11-25	172	88	DNA	DNA	79	192	165	156	162	158	186	153	172
09-11-25	173	96	DNA	DNA	90	192	177	167	153	171	168	177	183
10-11-25	179	152	DNA	DNA	93	162	190	171	116	159	204	187	186
11-11-25	194	DNA	DNA	DNA	101	161	174	176	79	177	212	178	191
12-11-25	190	94	DNA	DNA	98	207	168	179	DNA	172	231	175	188
13-11-25	190	175	DNA	DNA	105	177	195	177	167	176	207	176	214
14-11-25	198	112	DNA	DNA	70	167	186	172	113	163	271	165	174
15-11-25	172	DNA	DNA	DNA	101	166	179	172	76	164	DNA	147	152
16-11-25	167	88	DNA	DNA	100	158	171	163	74	170	DNA	152	109
17-11-25	168	94	DNA	DNA	84	164	191	154	67	182	165	151	155
18-11-25	165	DNA	DNA	DNA	112	160	170	156	DNA	182	156	156	160
19-11-25	162	128	DNA	DNA	78	159	168	165	160	191	171	143	160
20-11-25	189	155	DNA	DNA	154	156	176	165	156	172	182	161	159
21-11-25	210	DNA	DNA	DNA	176	164	154	152	184	174	191	184	DNA
22-11-25	189	DNA	DNA	DNA	154	174	167	DNA	179	198	202	187	DNA
23-11-25	185	137	DNA	DNA	151	169	194	DNA	188	217	219	183	DNA
24-11-25	187	145	DNA	DNA	116	173	197	DNA	180	185	212	175	DNA
25-11-25	175	170	DNA	DNA	158	187	207	DNA	175	185	212	181	DNA
26-11-25	173	191	DNA	DNA	101	187	188	173	170	180	202	178	DNA
27-11-25	155	165	DNA	DNA	122	173	194	172	168	170	187	158	162
28-11-25	189	153	DNA	DNA	126	166	176	159	DNA	164	187	188	176
29-11-25	177	178	DNA	DNA	109	168	181	156	DNA	163	228	189	186
30-11-25	198	166	DNA	DNA	150	172	197	178	DNA	173	212	179	183

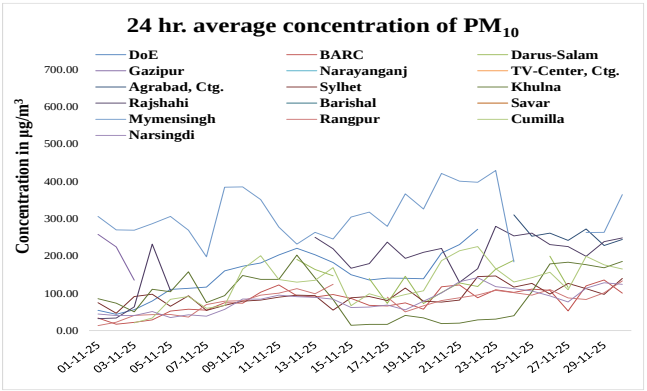
Figure 2: Graphical representation of Gaseous and Particulate matter.











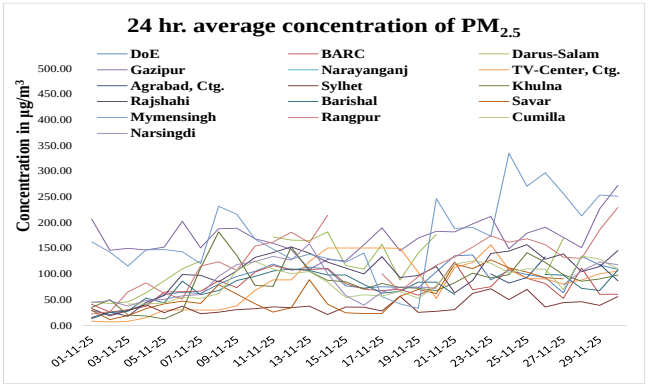
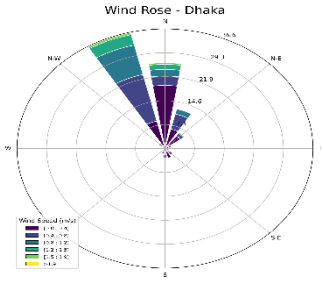
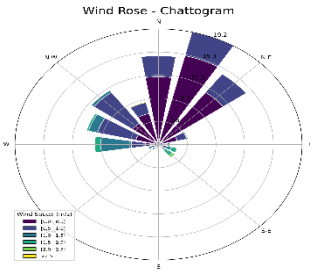
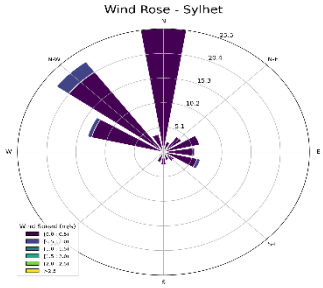
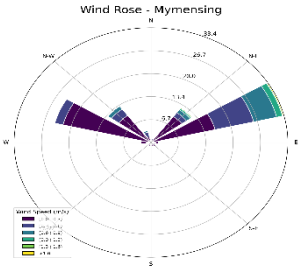


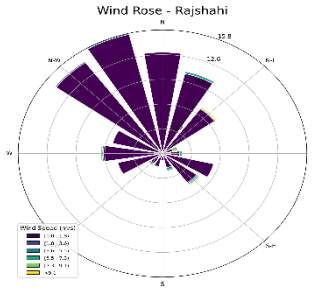
Figure 3: Wind Rose Pattern of Different Divisional Cities of Bangladesh in the Month of September_2025.

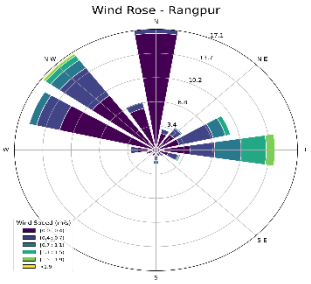


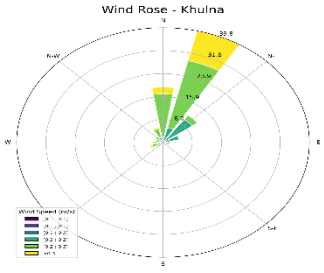


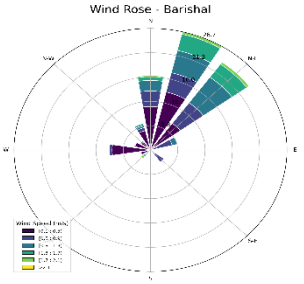












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