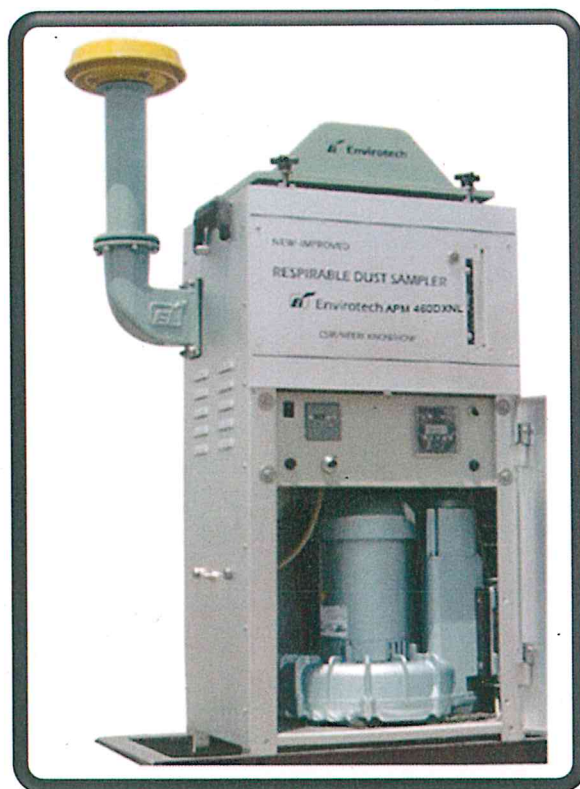


BRIEF REPORT ON AMBIENT AIR QUALITY STATUS, RAJASTHAN

National Ambient Air Monitoring Programme

(January to December- 2018)



Rajasthan State Pollution Control Board

राजस्थान राज्य प्रदूषण नियंत्रण मण्डल

पर्यावरण विभाग

राजस्थान सरकार

National Air Quality Monitoring Programme (NAMP) is ambient air monitoring programme regulated by Central Pollution Control Board (CPCB) to coordinate the air quality monitoring regime throughout the nation. The programme was initiated in 1984 at Agra and Anpara with 7 stations and gradually additional stations have been established over the years.

Under NAMP network, CPCB regularly monitors four air pollutants namely **Sulphur Dioxide as SO₂, Oxides of Nitrogen as NO₂, Suspended Particulate Matter (SPM) and Respirable Suspended Particulate Matter or Particulate Matter of less than 10µ size (commonly called PM₁₀ or RSPM).**

The monitoring of air pollutants is carried out for **24 hours (4-hourly sampling for gaseous pollutants and 8-hourly sampling for particulate matter)** with a frequency of twice a week, to have one hundred and four (104) observations in a year.

Objectives under NAMP

- I. To continue the ongoing process of producing periodic evaluation of air pollution situation in urban and industrial areas of the country
- II. To determine status and trends of ambient air quality and ascertain whether the prescribed ambient air quality standards are violated
- III. To estimate the future worsening or improvement of air quality and to obtain the knowledge and understanding necessary for developing preventive and corrective measures.
- IV. To understand the natural cleansing process undergoing in the environment through pollution dilution, dispersion, wind-based movement, dry deposition, precipitation and chemical transformation of pollutants generated.
- V. To ascertain whether the prescribed ambient air quality standards are violated and to assess health hazard, damage to materials and to control and regulate pollution from various sources.

In Rajasthan, State Pollution Control Board (RSPCB) in collaboration with Central Pollution Control Board (CPCB) has identified 39 NAMP stations in 8 cities of the State. Out of 39, 3 NAMP stations are newly identified, of which annual average data could not be obtained till date.



Location of NAMP Stations

S.No.	Name of City	Station	Location
01.	Alwar	03	Regional Office, RSPCB, Alwar
02.			RIICO Pump House, MIA, Alwar
03.			Gaurav Solvex, MIA, Alwar
04.	Bharatpur	03	Regional Office, RSPCB, Bharatpur
05.			RIICO Office Building, Bharatpur
06.			Khadi Gramoday Samiti, Bharatpur
07.	Bhiwadi	03	Regional Office, RSPCB, Bhiwadi
08.			UIT Guest House, Bhiwadi
09.			Uttam Strip Ltd., Bhiwadi
10.	Jaipur	09	Ajmeri Gate, Jaipur
11.			Board's Office, Jhalana Doongri, Jaipur
12.			Chandpol, Jaipur
13.			MIA RIICO Office, Jaipur
14.			Regional Office (North), RSPCB, Jaipur
15.			Vishwa Karma Industrial Area, Jaipur
16.			Nagar Nigam Mansarovar , Jaipur
17.			RIICO Baees Godam, Jaipur
18.			RIICO Sitapura , Jaipur
19.	Jodhpur	09	DIC Office, Jodhpur
20.			Housing board, Jodhpur
21.			Maha Mandir, Jodhpur
22.			RIICO Office , Basni Ind., Jodhpur
23.			Shastri Nagar Thana, Jodhpur
24.			Sojati Gate, Jodhpur
25.			Kudi Mahila Thana, Jodhpur
26.			Sangariya Police Thana, Jodhpur
27.			Soorsagar Thana, Jodhpur
28.	Kota	06	Regional Office, RSPCB, Kota
29.			Municipal Corporation Building, Kota
30.			Samcore Glass Ltd., Kota
31.			Fire Station, Shrinathpuram, Kota
32.			RTU, Rawatbhata Road, Kota
33.			Sewage Treatment Plant, Balita, Kota
34.	Udaipur	03	Ambamate, Udaipur
35.			Regional office, Udaipur
36.			Townhall, Udaipur
37.	Chittorgarh	03	Regional Office, RSPCB, Chittorgarh
28.			Veterinary Hospital, Meera Nagar, Chittorgarh
39.			PHED Pump House, Segawa, Chittorgarh



NAMP Report

National Ambient Air Standards are the standards for ambient air quality set by the Central Pollution Control Board with the objective of arresting the deterioration of air quality.

Pollutants	Time-weighted average	Concentration in		Method of measurement
		Industrial, Residential, Rural & other Areas	Ecologically Sensitive Areas (Notified by Central Govt.)	
PM ₁₀	Annual Average	60 µg/m ³	60 µg/m ³	Beta Attenuation Gravimetric TOEM
	24hours	100 µg/m ³	100 µg/m ³	
PM _{2.5}	Annual Average	40 µg/m ³	40 µg/m ³	Beta Attenuation Gravimetric TOEM
	24hours	60 µg/m ³	60 µg/m ³	
Carbon Monoxide (CO)	8hours	2.0 mg/m ³	2.0 mg/m ³	Non Dispersive Infra Red (NDIR) Spectroscopy
	1hour	4.0 mg/m ³	4.0 mg/m ³	
Sulfur Dioxide (SO ₂)	Annual Average	50 µg/m ³	20 µg/m ³	Improved West and Gaeke Method
	24hours	80 µg/m ³	80 µg/m ³	Ultraviolet Fluorescence
Nitrogen Dioxide (NO ₂)	Annual Average	40 µg/m ³	30 µg/m ³	Jacob & Hochheiser Modified (NaOH-NaAsO ₂) Method Gas Phase Chemiluminescence
	24hours	80 µg/m ³	80 µg/m ³	
Ammonia (NH ₃)	Annual Average	100 µg/m ³	100 µg/m ³	Chemiluminescence Indophenol blue method
	24hours	400 µg/m ³	400 µg/m ³	
Ozone (O ₃)	8 hour Average	100 µg/m ³	100 µg/m ³	UV Photometric Chemiluminescence Chemical Method
	1hours	180 µg/m ³	180 µg/m ³	
Benzene (C ₆ H ₆)	Annual Average	05 µg/m ³	05 µg/m ³	Gas Chromatography based continuous analyzer- Adsorption and Desorption followed by GC analysis
	24hours	-	-	

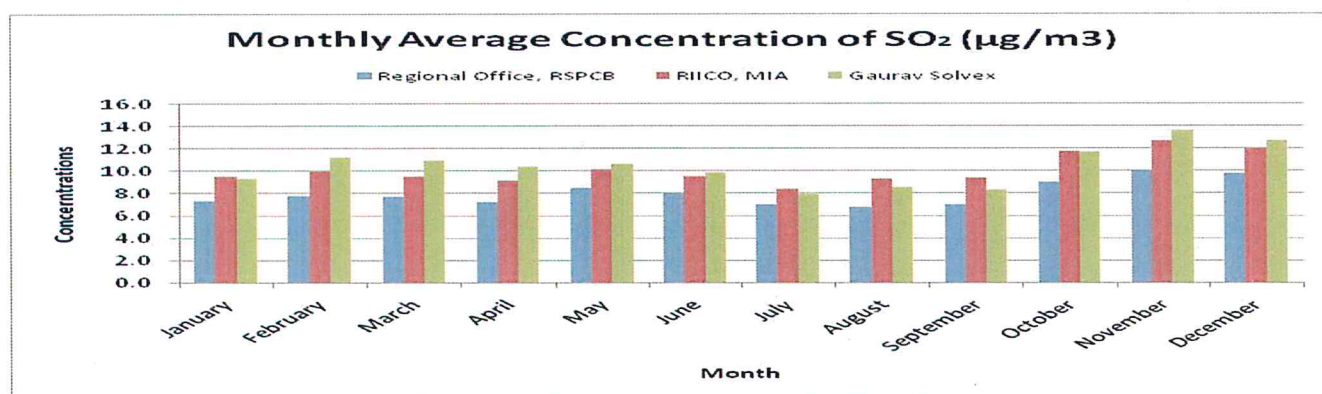
Annual Arithmetic mean of minimum 104 measurements in a year taken twice a week 24 hourly at uniform interval.

The current National Ambient Air Quality Standards were notified on 18 November 2009. Prior to the November 2009 standards, India had set Air Quality standards on 11 April 1994, and this was later revised on 14 October 1998. The 2009 standards further lowered the maximum permissible limits for pollutants and made the standards uniform across the nation.

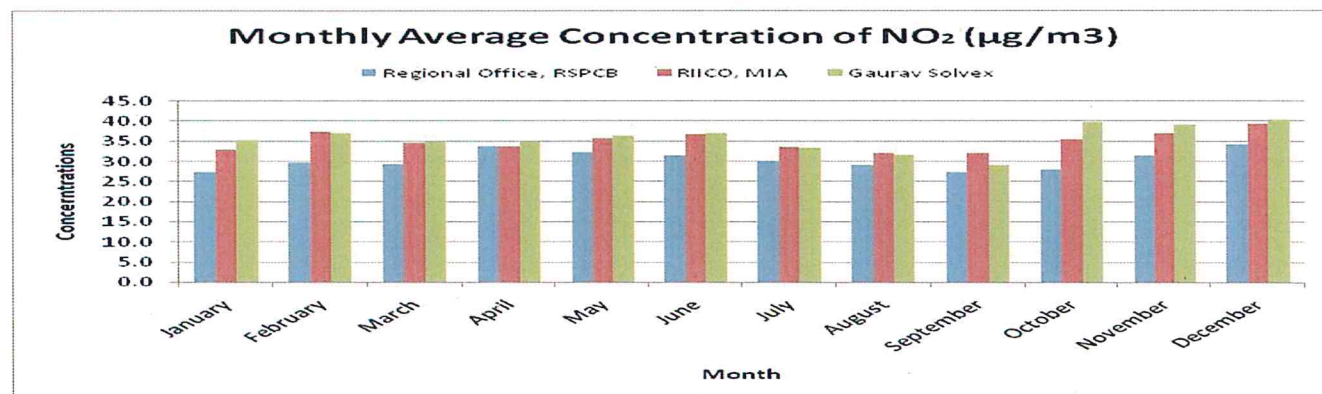
Monthly average concentration of Pollutants in Alwar City-

MONITORING SITES		Regional Office, RSPCB			RIICO pump house, MIA, Alwar				Gaurav Solvex, MIA, Alwar			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	7.3	27.34	213	January	9.6	32.9	229	January	9.31	35.46	248
2	February	7.8	29.7	199	February	10.0	37.5	220	February	11.21	37.13	251
3	March	7.7	29.41	169	March	9.6	34.7	179	March	10.92	34.97	226
4	April	7.3	33.88	167	April	9.2	33.9	191	April	10.42	34.84	221
5	May	8.5	32.31	150	May	10.1	35.7	161	May	10.6	36.47	211
6	June	8.0	31.43	131	June	9.6	36.8	155	June	9.85	37.13	181
7	July	7.0	30.14	121	July	8.4	33.6	144	July	7.92	33.48	152
8	August	6.8	29.21	122	August	9.3	32.1	127	August	8.52	31.81	148
9	September	7.0	27.44	110	September	9.4	32.0	129	September	8.28	29.18	137
10	October	9.0	28.1	142	October	11.8	35.6	136	October	11.7	39.8	179
11	November	10.1	31.4	226	November	12.7	37.0	243	November	13.6	39.2	271
12	December	9.8	34.2	218	December	12.0	39.5	225	December	12.7	40.6	270
	AVERAGE	8.0	30.4	164	AVERAGE	10.1	35.1	178	AVERAGE	10.4	35.8	208

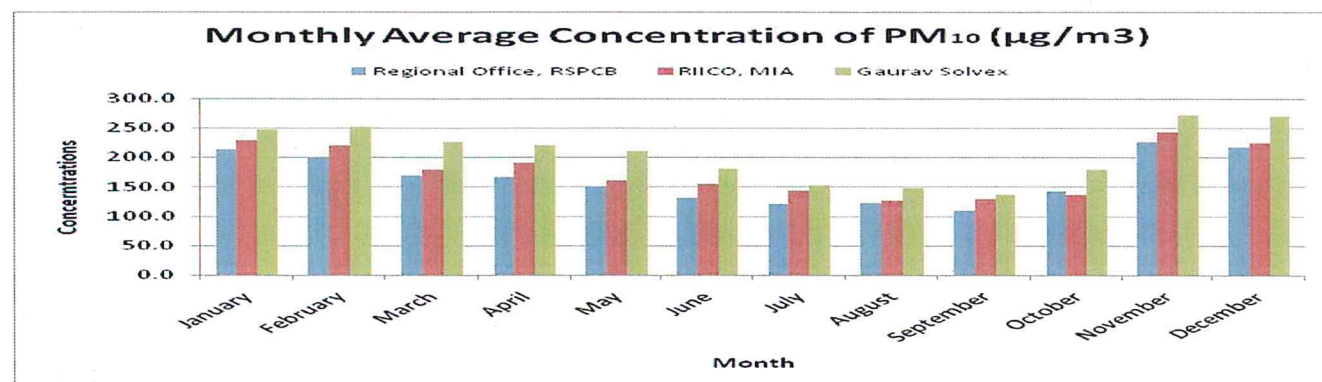
Monthly average concentration of SO₂ in Alwar City



Monthly average concentration of NO₂ in Alwar City



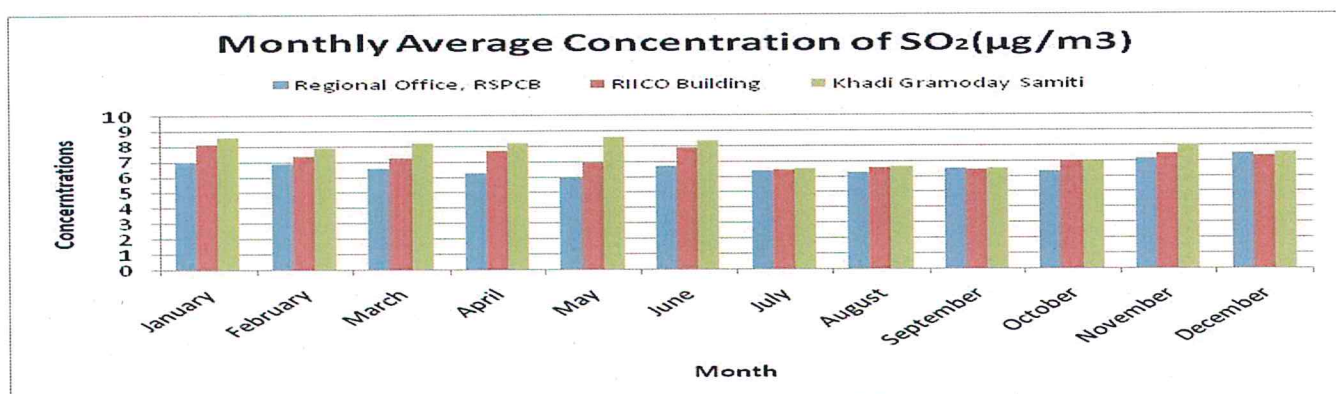
Monthly average concentration of PM₁₀ in Alwar City



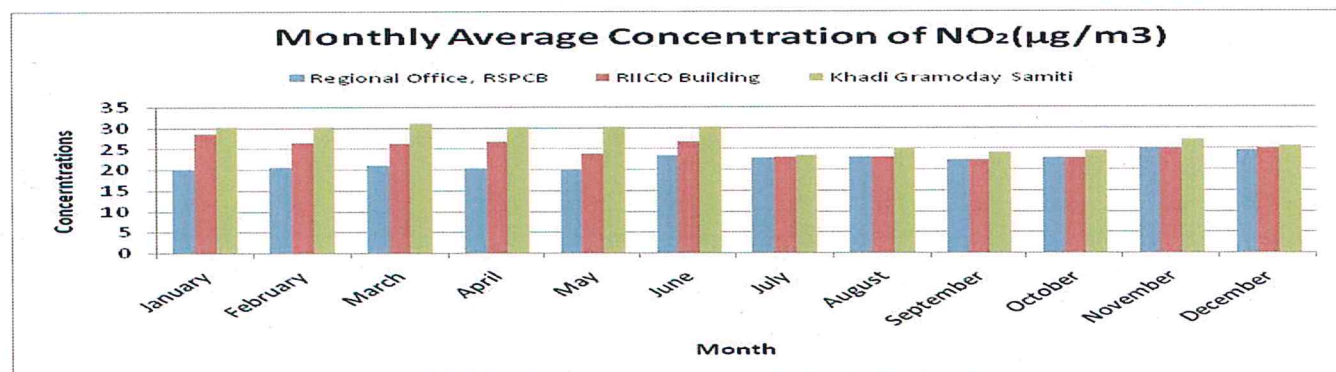
Monthly average concentration of Pollutants in Bharatpur City-

MONITORING SITES		REGIONAL OFFICE, RSPCB			RIICO office Building				Khadi Gramoday Samiti			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	6.99	20.25	215	January	8.19	28.72	212	January	8.59	30.25	256
2	February	6.89	20.53	196	February	7.42	26.63	189	February	7.92	30.43	239
3	March	6.6	21.01	223	March	7.3	26.38	203	March	8.25	31.29	241
4	April	6.29	20.46	192	April	7.75	26.77	243	April	8.21	30.26	248
5	May	5.99	19.94	202	May	6.96	23.82	224	May	8.64	30.35	228
6	June	6.7	23.56	215	June	7.91	26.83	249	June	8.36	30.34	257
7	July	6.4	22.85	72	July	6.49	23.11	71	July	6.52	23.42	106
8	August	6.28	22.93	127	August	6.62	23.09	117	August	6.68	25.16	137
9	September	6.51	22.35	135	September	6.49	22.47	160	September	6.55	24.16	167
10	October	6.37	22.89	151	October	7.02	22.81	210	October	6.96	24.64	220
11	November	7.17	25.27	188	November	7.47	25.03	239	November	8.08	27.28	235
12	December	7.51	24.53	215	December	7.37	25.08	299	December	7.52	25.76	276
	AVERAGE	6.6	22.2	178	AVERAGE	7.2	25.1	201	AVERAGE	7.7	27.8	218

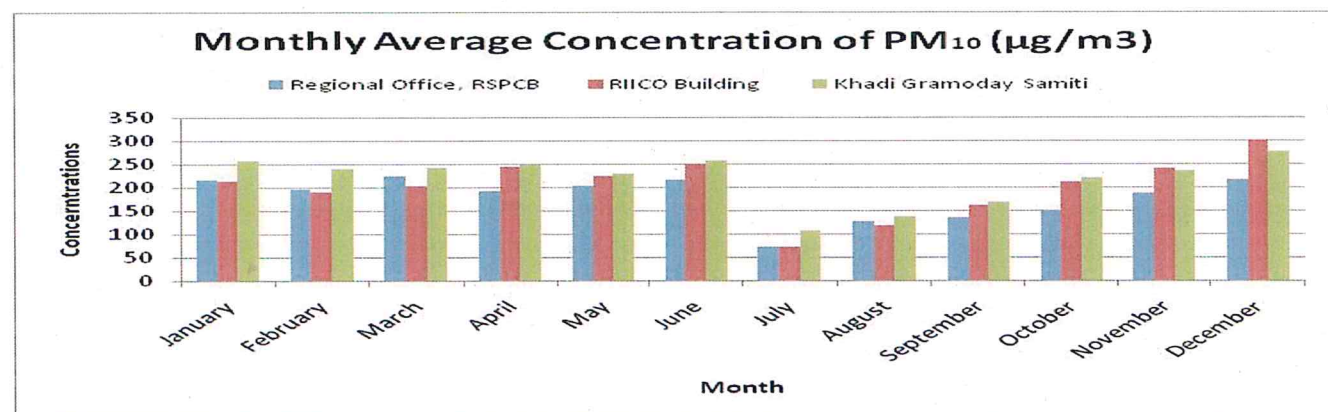
Monthly average concentration of SO₂ in Bharatpur City



Monthly average concentration of NO₂ in Bharatpur City

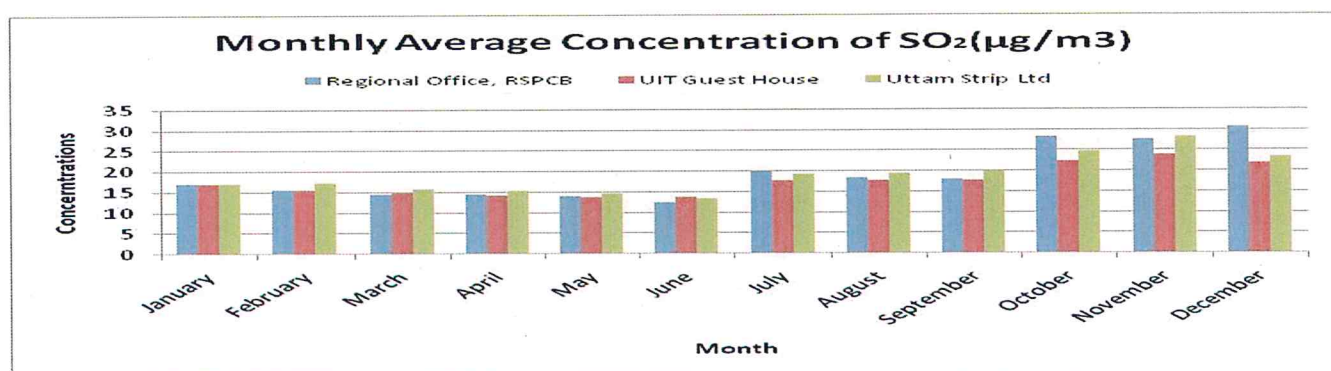
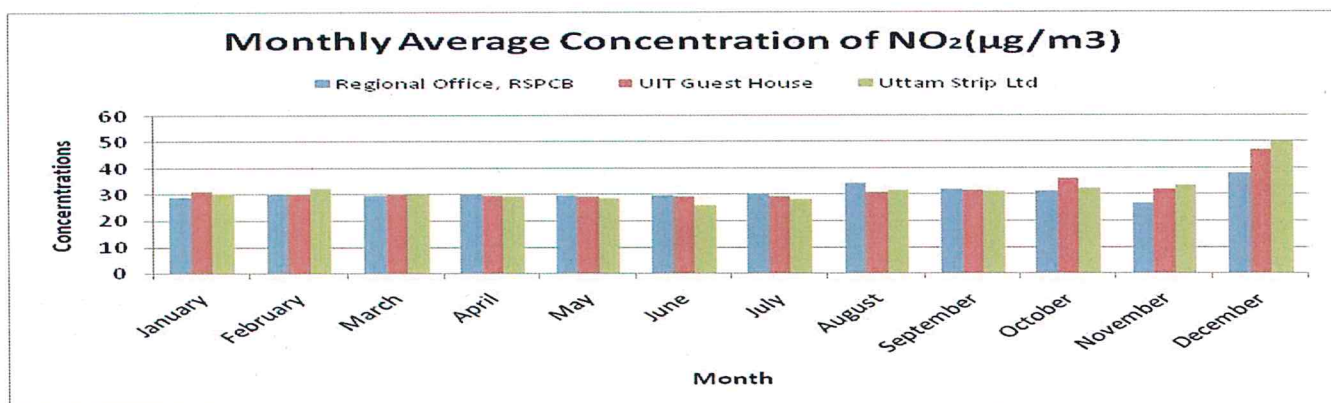
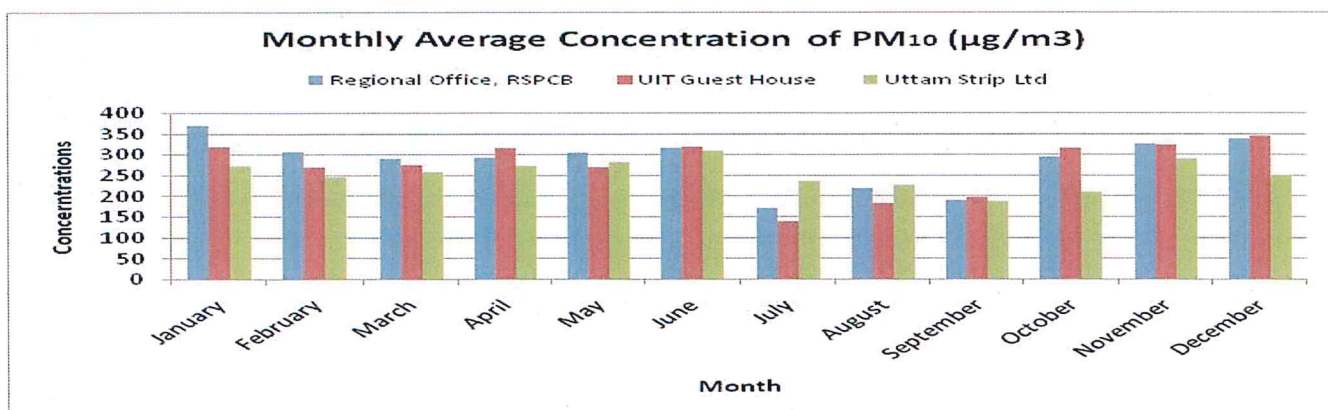


Monthly average concentration of PM₁₀ in Bharatpur City



**Monthly average concentration of Pollutants in Bhiwadi City-**

MONITORING SITES		Regional Office, RSPCB			UIT Guest House				Uttam Strip Ltd			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	17.12	28.91	369	January	16.99	31.06	318	January	17.1	30.34	272
2	February	15.48	29.92	305	February	15.52	29.94	268	February	17.39	32.37	246
3	March	14.43	29.48	289	March	14.94	30.15	273	March	15.68	29.83	258
4	April	14.5	30.13	290	April	14.32	29.51	315	April	15.3	29.11	271
5	May	13.96	29.56	304	May	13.78	29.13	269	May	14.63	28.32	282
6	June	12.54	29.76	315	June	13.72	29.42	317	June	13.43	25.95	307
7	July	19.94	30.54	170	July	17.75	29.27	139	July	19.2	27.95	234
8	August	18.35	34.26	218	August	17.65	30.73	183	August	19.55	31.36	225
9	September	17.93	32.08	190	September	17.61	31.39	197	September	19.95	31.28	186
10	October	28.23	31.06	294	October	22.26	36.05	314	October	24.71	32.34	208
11	November	27.66	26.75	325	November	23.94	31.88	323	November	28.14	33.52	289
12	December	30.55	37.91	338	December	21.84	47.14	344	December	23.41	50.01	250
	AVERAGE	19.2	30.9	283.9	AVERAGE	17.5	32.1	271.7	AVERAGE	19.0	31.9	252.3

Monthly average concentration of SO₂ in Bhiwadi City**Monthly average concentration of NO₂ in Bhiwadi City****Monthly average concentration of PM₁₀ in Bhiwadi City**



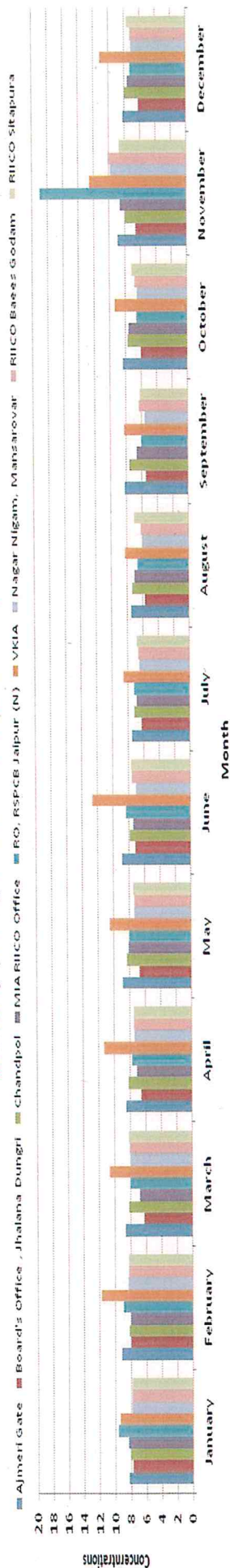
NAMP Report

Monthly average concentration of Pollutants in Jaipur City-

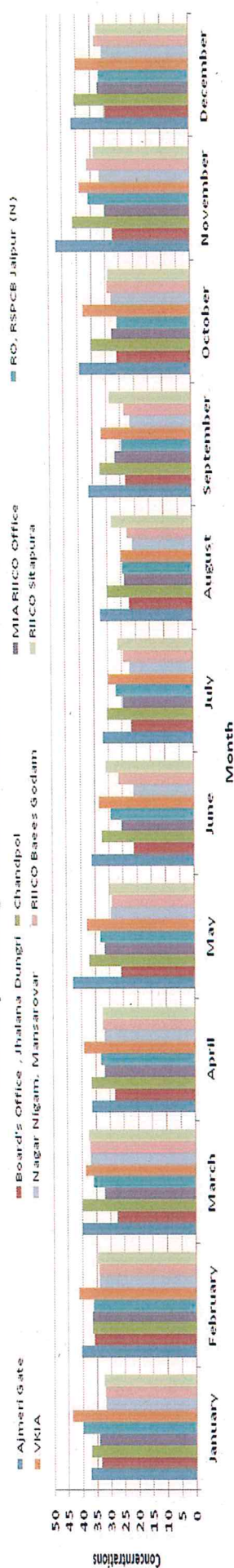
MONITORING SITES		Ajmeri Gate, Jaipur			Board's Office , Jhalana Dungri, Jaipur			Chandpol , Jaipur				
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	8.22	37.18	225	January	7.77	33.58	120	January	8.07	37.04	184
2	February	9.15	40.38	163	February	7.98	35.9	103	February	8.11	36.54	167
3	March	8.62	40.08	177	March	6.22	27.63	95	March	8.1	39.96	168
4	April	8.45	36.28	170	April	6.53	28.37	98	April	8.15	36.6	146
5	May	8.82	43.03	229	May	6.69	26.01	119	May	8.24	37.25	254
6	June	8.79	36.2	206	June	7.14	21.18	107	June	7.83	32.53	228
7	July	7.41	31.83	106	July	6.21	21.89	68	July	7.12	30.53	131
8	August	7.45	32.55	124	August	5.68	22.3	52	August	7.27	29.99	123
9	September	8.11	36.34	130	September	5.45	23.49	58	September	7.5	32.41	145
10	October	8.29	39.36	190	October	5.96	26.2	98	October	7.7	35.35	157
11	November	8.86	47.54	186	November	6.61	27.42	127	November	7.9	41.43	163
12	December	8.16	41.67	166	December	6.14	29.82	106	December	7.88	40.56	188
	AVERAGE	8.4	38.5	173	AVERAGE	6.5	27.0	96	AVERAGE	7.8	35.8	171

MONITORING SITES		MIA RICO Office , Jaipur			RO Jaipur (N), Vidyadhar nagar, Jaipur				VKIA , Jaipur			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	8.25	34.15	152	January	9.56	39.93	183	January	9.35	43.78	346
2	February	7.94	36.52	142	February	8.86	36.17	188	February	11.71	41.54	378
3	March	6.73	32.2	132	March	7.96	36.03	282	March	10.62	38.89	289
4	April	7.04	31.88	144	April	7.68	33.17	261	April	11.23	39.31	385
5	May	8.08	31.78	166	May	8	33.29	280	May	10.46	38.14	399
6	June	7.36	25.61	133	June	8.28	29.46	286	June	12.66	33.69	304
7	July	6.79	24.86	61	July	7.11	27.27	114	July	8.52	29.97	186
8	August	7.01	24.12	74	August	6.57	24.76	115	August	8.2	25.02	165
9	September	6.59	26.97	78	September	5.96	24.62	119	September	8.2	31.92	146
10	October	7.53	27.84	117	October	6.55	25.88	171	October	9.33	38.13	234
11	November	8.62	29.94	122	November	18.9	35.95	238	November	12.54	39.16	278
12	December	7.48	32.25	125	December	7.21	31.92	182	December	11.14	40.14	252
	AVERAGE	7.5	29.8	121	AVERAGE	8.6	31.5	202	AVERAGE	10.3	36.6	280

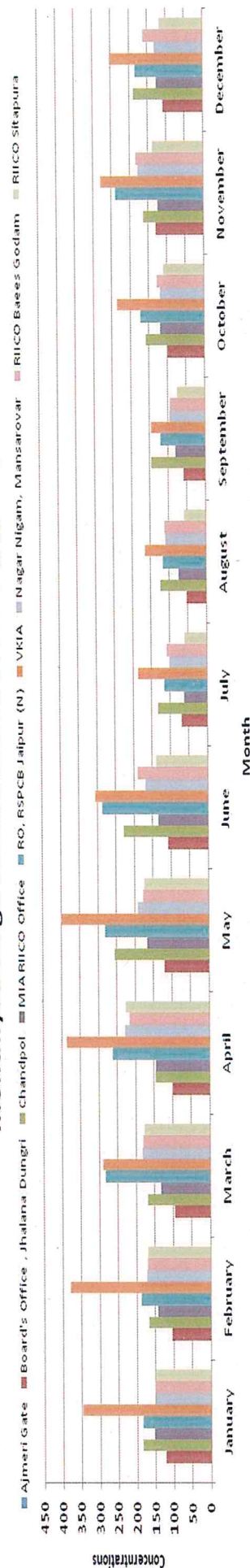
MONITORING SITES		Nagar Nigam Mansarovar , Jaipur			RIICO Baees Godam, Jaipur				RIICO Sitapura , Jaipur			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	7.78	31.91	149	January	7.79	32.21	150	January	7.82	32.52	148
2	February	8.25	34.12	172	February	8.23	34.35	170	February	8.23	34.61	168
3	March	7.99	37.12	182	March	8.03	37.13	181	March	8.1	37.65	177
4	April	7.35	32.00	227	April	7.4	32.5	215	April	7.4	32.50	226
5	May	7.29	29.52	190	May	7.3	29.21	176	May	7.44	30.00	173
6	June	7.00	21.23	168	June	7.5	26.51	189	June	7.56	31.12	138
7	July	6.41	22.27	99	July	6.61	24.58	107	July	6.72	26.59	59
8	August	5.97	21.13	109	August	6.12	22.94	110	August	6.98	28.55	58
9	September	5.54	21.68	95	September	6.28	23.78	93	September	6.16	28.92	74
10	October	6.42	28.03	118	October	6.71	29.65	126	October	7.13	29.24	108
11	November	9.79	31.95	177	November	10.14	36.42	182	November	8.68	33.94	137
12	December	7.08	30.75	130	December	7.17	33.64	161	December	7.55	32.84	115
	AVERAGE	7.2	28.5	151	AVERAGE	7.4	30.2	155	AVERAGE	7.5	31.5	132

Monthly Average Concentration of SO₂(μg/m³)

Monthly Average Concentration of NO₂(μg/m³)



Monthly Average Concentration of PM₁₀ (µg/m³)





NAMP Report

Monthly average concentration of Pollutants in Jodhpur City-

MONITORING SITES		DIC OFFICE JODHPUR			Housing board Jodhpur				Maha Mandir Jodhpur			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	7.38	31.15	210	January	6.34	26.62	252	January	5.59	25.75	161
2	February	6.77	35.16	279	February	5.56	27.16	282	February	5.39	26.76	179
3	March	5.41	21.49	293	March	5.68	22.91	325	March	5.27	22.13	217
4	April	6.39	18.78	344	April	5.56	18.25	410	April	6.3	18.54	290
5	May	6.02	17.57	374	May	5.53	18.1	379	May	6.31	17.77	281
6	June	5.91	17.08	400	June	5.97	16.3	350	June	5.59	16.28	220
7	July	7.16	18.87	135	July	6.38	17.62	148	July	5.98	17.36	142
8	August	6.06	16.62	131	August	5.80	15.78	128	August	5.85	16.28	109
9	September	6.84	20.01	128	September	6.40	19.58	170	September	6.46	19.52	100
10	October	7.22	23.71	235	October	7.39	23.64	328	October	6.82	28.7	212
11	November	8.80	35.21	249	November	8.23	36.62	277	November	8.14	35.67	150
12	December	8.87	46.69	235	December	8.08	43.9	236	December	8.32	44.69	196
	AVERAGE	6.9	25.2	251	AVERAGE	6.4	23.9	274	AVERAGE	6.3	24.1	188

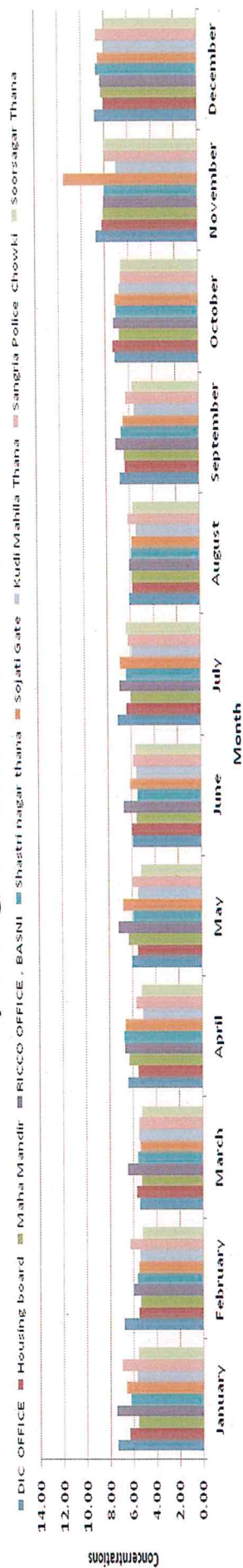
MONITORING SITES		RIICO OFFICE , BASNI IND., JODHPUR			Shastri nagar thana, Jodhpur				Sojati Gate , Jodhpur			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	7.49	32.8	235	January	6.24	30	236	January	6.62	30.95	217
2	February	5.98	28.99	213	February	5.67	29.02	216	February	5.56	32.71	194
3	March	6.48	26.56	188	March	5.61	23.92	198	March	5.39	21.07	191
4	April	6.68	19.45	250	April	6.74	18.7	215	April	6.63	17.83	198
5	May	7.2	19.28	288	May	5.93	17.8	323	May	6.77	17.55	205
6	June	6.66	17.72	237	June	5.47	16.5	239	June	6.11	16.76	192
7	July	6.98	16.79	115	July	6.38	18.38	122	July	6.95	18.1	109
8	August	6.1	16.46	86	August	5.9	15.74	115	August	5.88	16.33	102
9	September	7.2	20.19	76	September	6.71	20.82	153	September	6.55	20.92	115
10	October	7.35	25.4	175	October	7.11	25.6	253	October	7.24	24.03	174
11	November	8.07	33.87	174	November	8.02	34.98	293	November	11.54	43.45	290
12	December	8.35	47.02	215	December	8.76	46.11	326	December	8.56	44.56	281
	AVERAGE	7.0	25.4	188	AVERAGE	6.5	24.8	224	AVERAGE	7.0	25.4	189

MONITORING SITES		Kudi Mahila Thana, Jodhpur			Sangariya Police thana, Jodhpur				Soorsagar Thana , Jodhpur			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	5.70	26.3	291	January	7	22.5	274	January	5.6	20.4	162
2	February	5.40	21.2	253	February	6.3	19	286	February	5.2	19	193
3	March	5.50	19.1	306	March	5.5	18.4	257	March	5.2	17.3	237
4	April	5.10	16	385	April	5.7	17.4	327	April	5.2	16.9	291
5	May	5.50	16.6	365	May	6	16.7	363	May	5.2	16.3	300
6	June	5.61	16.41	295	June	5.84	16.83	360	June	5.66	16.41	213
7	July	5.89	15.04	166	July	6.26	16.58	157	July	6.41	16.05	101
8	August	5.5	15.2	159	August	6.17	16.36	139	August	5.75	15.91	91
9	September	5.58	17.54	146	September	6.27	18.95	167	September	5.74	17.88	116
10	October	6.83	22.53	288	October	6.73	22.25	259	October	6.65	23.4	205
11	November	7.04	35.4	378	November	7.95	34.56	342	November	7.92	36.34	246
12	December	7.96	40.79	289	December	8.71	42.92	351	December	8	42.56	193
	AVERAGE	6.0	21.8	277	AVERAGE	6.5	21.9	274	AVERAGE	6.0	21.5	196



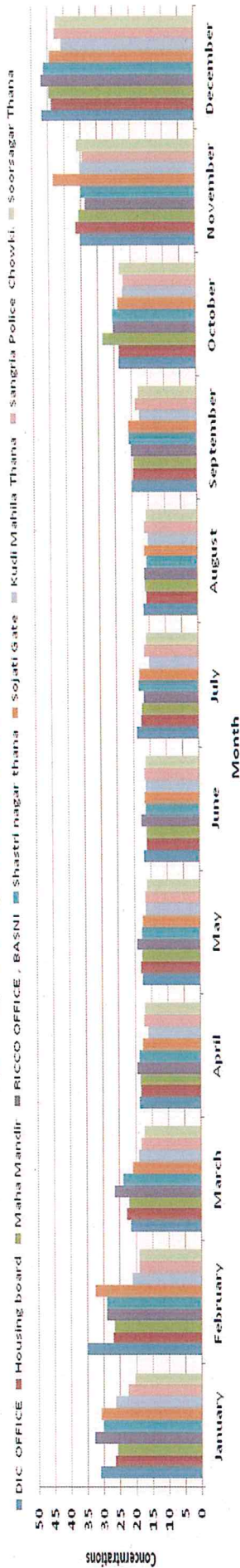
Monthly average concentration of SO₂ in Jodhpur City

Monthly Average Concentration of SO₂($\mu\text{g}/\text{m}^3$)



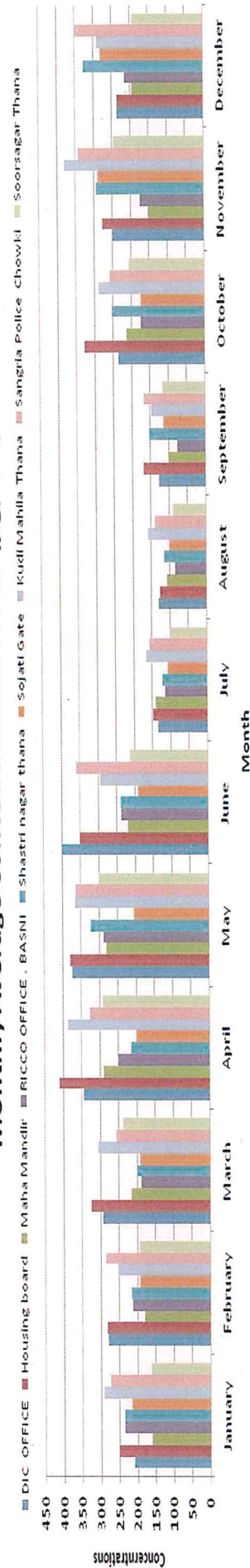
Monthly average concentration of NO₂ in Jodhpur City

Monthly Average Concentration of NO₂($\mu\text{g}/\text{m}^3$)



Monthly average concentration of PM₁₀ in Jodhpur City

Monthly Average Concentration of PM₁₀ ($\mu\text{g}/\text{m}^3$)





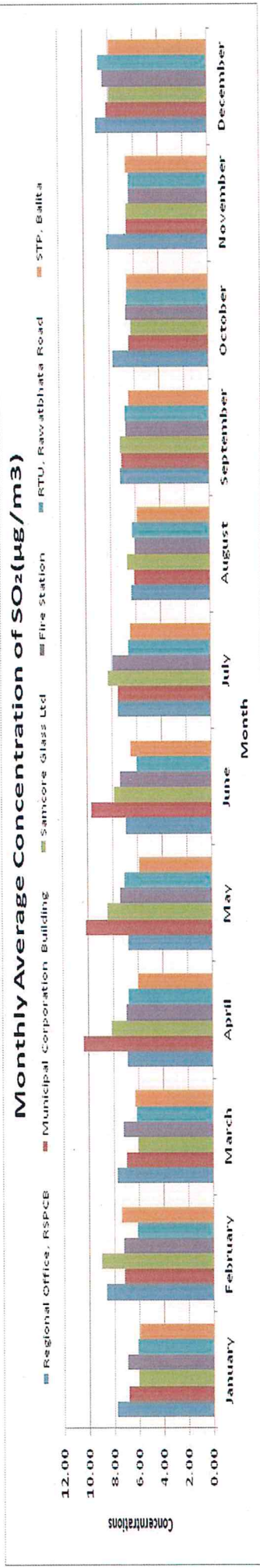
Monthly average concentration of Pollutants in Kota City-

MONITORING SITES		Regional Office, Anantpura, Kota			Municipal Corporation Building, Kota				Samcore Glass Ltd., Kota			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	7.79	32.35	239	January	6.88	30.70	165	January	6.05	29.07	192
2	February	8.65	32.35	207	February	7.19	30.88	144	February	9	30.07	168
3	March	7.76	32.18	189	March	6.99	30.67	130	March	6.08	28.69	150
4	April	6.84	30.53	176	April	10.40	34.25	145	April	8.19	21.42	165
5	May	6.78	31.47	186	May	10.18	33.76	123	May	8.43	22.94	164
6	June	6.90	32.04	197	June	9.73	31.04	96	June	7.88	23.84	176
7	July	7.5	30.25	136	July	7.5	28.26	84	July	8.32	24.96	100
8	August	6.34	28.64	93	August	6.13	23.89	115	August	6.66	21.74	109
9	September	7.17	22.15	97	September	7.11	21.66	82	September	7.17	21.7	94
10	October	7.74	21.5	168	October	6.43	20.57	93	October	6.26	22.04	135
11	November	8.18	21.24	208	November	6.57	21.20	154	November	6.58	22.09	168
12	December	8.98	27.69	258	December	8.18	28.00	161	December	7.92	27.4	138
	AVERAGE	7.6	28.5	180	AVERAGE	7.8	27.9	124	AVERAGE	7.4	24.7	147

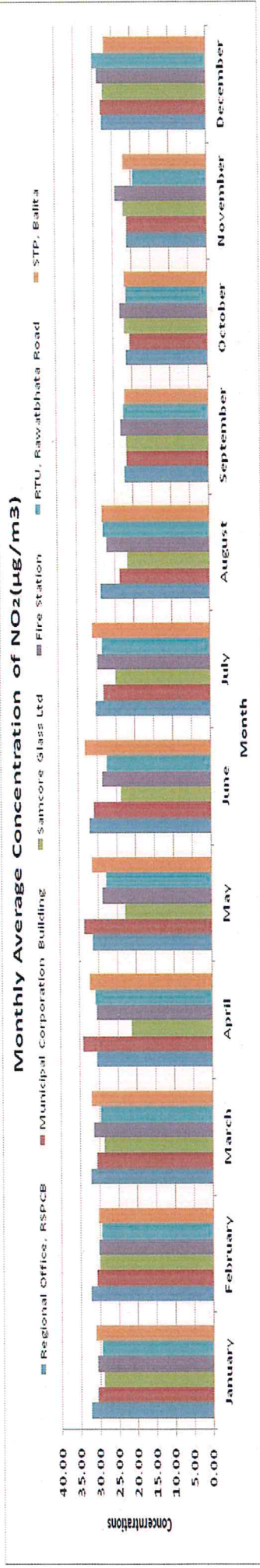
MONITORING SITES		Fire Station, Nagar Nigam,			Rajasthan Technical University, Rawatbhata Road,				Sewage Treatment Plant, Balita, Kota			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	6.97	30.76	157	January	6.11	29.53	163	January	5.98	31.17	209
2	February	7.24	30.25	200	February	6.14	29.5	174	February	7.44	30.45	115
3	March	7.24	31.41	151	March	6.15	29.63	201	March	6.31	32.1	129
4	April	6.96	30.48	138	April	6.78	30.87	219	April	6.01	32.3	146
5	May	7.4	28.88	113	May	7.06	27.74	119	May	5.9	31.64	149
6	June	7.38	28.65	151	June	6.04	27.53	178	June	6.55	33.34	156
7	July	7.96	29.75	145	July	6.65	28.55	230	July	6.49	31.17	130
8	August	6.09	27.16	96	August	6.28	28.11	149	August	5.9	28.33	120
9	September	6.71	23.21	83	September	6.78	22.45	109	September	6.48	22.16	89
10	October	6.67	23.24	161	October	6.57	21.56	148	October	6.57	21.91	143
11	November	6.38	24.31	142	November	6.4	19.61	243	November	6.64	22.15	162
12	December	8.46	28.8	189	December	8.78	30.12	256	December	7.95	27.01	168
	AVERAGE	7.1	28.1	144	AVERAGE	6.6	27.1	182	AVERAGE	6.5	28.6	143



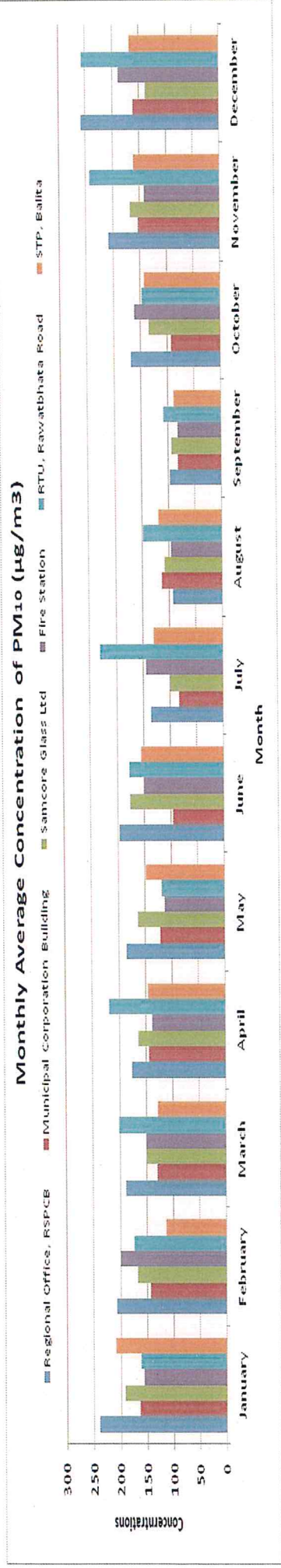
Monthly average concentration of SO₂ in Kota City



Monthly average concentration of NO₂ in Kota City



Monthly average concentration of PM₁₀ in Kota City

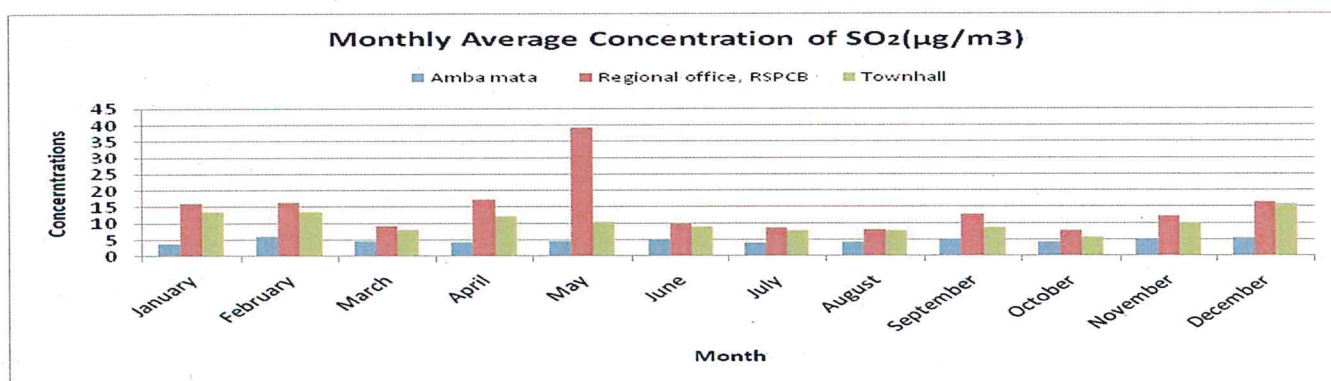




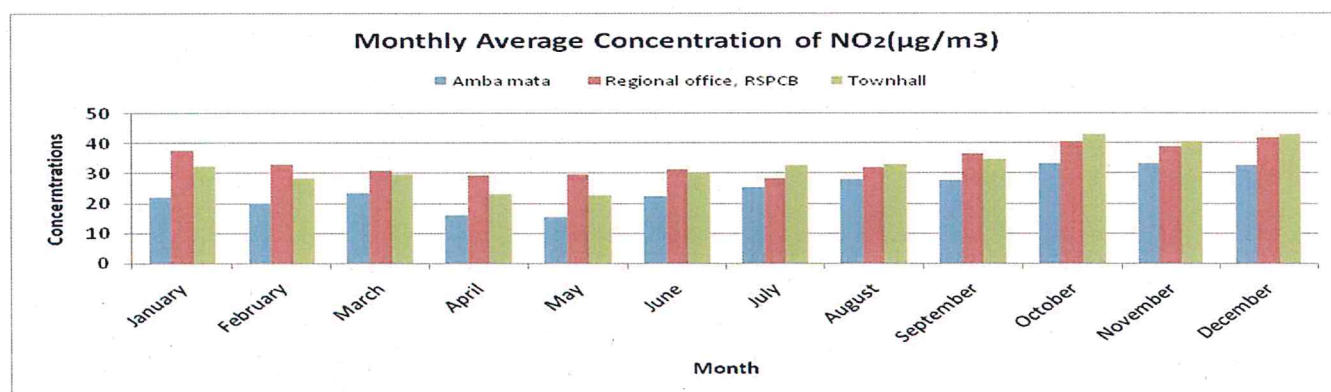
Monthly average concentration of Pollutants in Udaipur City-

MONITORING SITES		Ambamate Udaipur			Regional office Udaipur				Townhall Udaipur			
S. No.	Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)			Month	MONTHLY AVERAGE (µg/m3)		
		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀		SO ₂	NO ₂	PM ₁₀
1	January	3.81	22.05	96	January	16.07	37.57	291	January	13.54	32.32	123
2	February	6.18	20.14	115	February	16.39	33.01	288	February	13.7	28.43	124
3	March	4.49	23.33	110	March	9.12	31.02	254	March	7.98	29.51	165
4	April	4.36	16.07	101	April	17.25	29.36	299	April	11.98	23.12	124
5	May	4.72	15.46	105	May	39.1	29.74	300	May	10.39	22.66	146
6	June	5.2	22.38	140	June	9.88	31.39	169	June	8.84	29.89	118
7	July	4.18	25.33	75	July	8.56	28.37	104	July	7.65	32.74	66
8	August	4.3	28.03	89	August	8.03	32.12	103	August	7.75	32.86	94
9	September	5.13	27.53	87	September	12.66	36.51	181	September	8.6	34.6	101
10	October	4.29	33.17	124	October	7.8	40.67	227	October	5.67	43.03	121
11	November	5.26	33.3	112	November	12.24	39.16	221	November	10.1	40.64	124
12	December	5.42	32.59	117	December	16.4	41.91	191	December	16	43.02	115
	AVERAGE	4.8	24.9	106	AVERAGE	14.5	34.2	219	AVERAGE	10.2	32.7	118

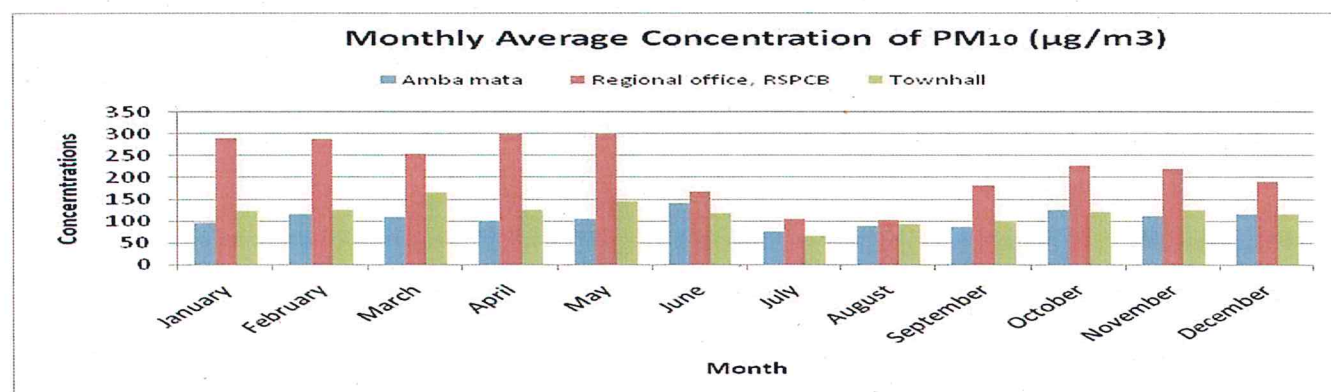
Monthly average concentration of SO₂ in Udaipur City



Monthly average concentration of NO₂ in Udaipur City



Monthly average concentration of PM₁₀ in Udaipur City





Acknowledgement

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