

Comparative Values of PM10, SO₂&NO₂ µg/m³

For the years 2018-2022

Station Name: - **Milk Plant, Ferozpur Road, Ludhiana**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	138	134	150	163	209	263	26	21	25	30	27	31	5	8	8	10	11	10
February	108	112	167	188	251	186	34	20	24	34	29	128	7	7	8	10	11	10
March	103	103	130	159	239	237	36	19	29	37	25	28	10	6	7	11	10	11
April	119	178	--	166	241		31	21	--	40	27		8	17	--	11	12	
May	106	99	55	102	271		33	23	18	29	28		9	8	7	10	12	
June	190	107	90	184	261		34	24	20	25	26		9	8	6	10	12	
July	102	88	97	165	251		28	24	18	21	22		8	7	5	8	11	
August	105	64	98	170	177		29	22	19	21	24		8	26	5	8	11	
September	96	65	110	175	175		26	20	20	20	26		10	12	6	9	10	
October	152	213	204	206	251		23	32	25	24	28		8	11	10	9	11	
November	287	224	217	270	285		36	31	31	34	30		12	7	11	13	11	
December	156	154	172	275	252		23	26	30	32	30		8	8	9	13	10	
Annual Avg.	139	128	135	185	239		30	24	24	29	27		9	10	7	10	11	

Comparative Values of PM10, SO₂&NO₂ µg/m³

For the years 2018-2022

Station Name: - **United Cycle Parts Building, Gill Road, Ludhiana (Earlier Punjab Pollution Control Board Office, Gill Road, Ludhiana)**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	195	132	164	165	176	252	44	25	29	32	28	31	8	15	10	11	11	10
February	116	94	187	210	217	303	49	23	32	36	30	29	7	9	11	11	11	11
March	118	77	180	171	199	209	50	21	33	38	27	26	8	11	11	12	10	10
April	121	139	--	176	212		40	20	--	41	29		7	13	--	12	12	
May	96	142	130	133	179		30	20	21	28	29		8	14	7	10	12	
June	165	154	117	185	191		29	20	22	27	28		8	11	7	11	12	
July	55	126	96	172	176		22	17	21	23	22		7	9	6	9	12	
August	84	160	113	166	166		21	24	21	22	20		7	10	6	9	10	
September	89	152	129	165	156		22	21	22	22	26		7	10	8	10	10	
October	140	148	196	186	211		30	29	27	24	32		9	9	10	10	10	
November	131	202	234	253	296		35	36	35	36	33		11	8	14	13	12	
December	129	193	181	225	295		28	29	31	33	31		13	9	10	14	11	
Annual Avg.	120	143	157	184	206		30	24	27	30	28		8	11	9	11	11	

Comparative Values of PM10, SO₂&NO₂ µg/m³

For the years 2018-2022

Station Name :-**Nahar Industrial Enterprises Ltd, Industrial Area – A, Ludhiana (Earlier Rita Sewing Machine, Industrial Area-A, Ludhiana)**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	162	188	187	192	169	245	48	29	26	32	28	30	10	14	9	11	11	11
February	158	140	189	219	225	326	47	18	32	36	30	31	7	9	10	11	12	11
March	180	135	179	190	214	238	53	20	29	40	28	29	9	12	9	12	11	11
April	241	189	--	184	235		45	26	--	42	30		7	18	--	12	13	
May	188	136	131	147	182		34	26	22	27	30		8	15	7	11	13	
June	252	153	144	168	188		32	19	22	27	28		10	18	7	10	12	
July	126	144	117	184	174		16	15	22	22	24		6	9	6	9	12	
August	73	116	133	172	167		11	31	22	22	22		5	41	6	8	9	
September	96	135	143	198	205		17	32	24	23	30		9	12	9	10	11	
October	177	138	187	208	225		33	31	29	26	29		11	10	11	11	11	
November	209	174	300	250	315		25	30	36	35	31		13	8	16	13	11	
December	183	162	179	257	160		31	27	32	34	29		13	9	10	14	11	
Annual Avg.	170	151	172	197	205		33	25	27	31	28		9	15	9	11	12	

Comparative Values of PM10, SO₂&NO₂ µg/m³

For the years 2018-2022

Station Name: - **Vishvakarma Chowk, Ludhiana**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	212	185	224	218	285	351	33	28	31	33	31	34	7	11	11	12	12	12
February	201	163	254	230	304	300	39	28	33	37	32	34	9	11	12	11	12	12
March	254	168	227	208	310	292	44	29	34	41	31	32	11	11	12	13	12	11
April	292	185	--	191	311		38	31	--	43	31		10	13	--	13	13	
May	267	180	167	193	305		39	27	25	30	32		11	11	8	12	13	
June	166	149	174	222	304		37	28	26	28	30		11	12	8	11	13	
July	126	120	175	199	247		31	26	24	25	27		10	9	8	9	13	
August	169	136	181	217	231		30	50	26	25	28		11	42	8	9	12	
September	146	150	207	231	201		23	35	25	26	31		10	12	9	11	11	
October	237	296	300	305	275		31	36	32	28	31		12	14	13	12	12	
November	294	252	318	356	328		35	34	34	38	32		14	10	13	16	12	
December	194	198	241	327	314		25	31	36	36	32		10	9	11	15	12	
Annual Avg.	213	182	224	241	285		34	32	30	33	31		11	14	10	12	12	

Comparative Values of PM10, SO₂&NO₂ µg/m³

For the years 2018-2022

Station Name: - **Markfed Vanaspati & Allied Industries, G. T. Road, Focal Point, Khanna**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	173	239	159	-	-	143	29	22	19	-	-	24	8	8	10	-	-	10
February	131	198	184	-	-	163	29	16	29	-	-	21	7	7	10	-	-	9
March	120	180	154	-	-	150	33	29	25	-	-	20	8	9	11	-	-	10
April	124	201	--	-	-		36	10	--	-	-		10	12	--	-	-	
May	132	189	--	-	-		38	23	--	-	-		10	9	--	-	-	
June	137	163	--	-	-		43	26	--	-	-		12	9	--	-	-	
July	-	170	--	-	-		-	27	--	-	-		-	8	--	-	-	
August	-	214	--	-	80		-	28	--	-	22		-	11	--	-	10	
September	159	155	--	--	120		26	24	--	-	23		8	10	--	-	10	
October	230	190	-	--	230		27	35	-	--	29		9	10	-	--	13	
November	272	198	-	-	311		26	36	-	-	30		7	12	-	-	12	
December	246	193	-	-	171		25	29	-	-	26		7	10	-	-	11	
Annual Avg.	172	191	166	-	182		31	25	24	-	26		9	10	10	-	11	

Comparative Values of PM10, SO₂&NO₂ µg/m³

For the years 2018-2022

Station Name: - **A.S. Senior Secondary School, G. T. Road, Khanna**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	182	172	115	-	-	-	32	26	20	-	-	-	8	8	9	-	-	-
February	90	170	127	-	-	-	29	24	25	-	-	-	7	8	8	-	-	-
March	119	136	90	-	-	-	33	24	22	-	-	-	8	9	10	-	-	-
April	126	123	--	-	-		35	22	--	-	-		9	12	--	-	-	
May	130	107	--	-	-		36	22	--	-	-		8	11	--	-	-	
June	124	176	--	-	-		35	23	--	-	-		9	11	--	-	-	
July	124	140	--	-	-		35	21	--	-	-		8	7	--	-	-	
August	80	113	--	-	-		20	39	--	-	-		5	41	--	-	-	
September	146	118	--	-	-		23	25	--	-	-		10	13	--	-	-	
October	133	133	-	--	194		25	37	-	-	25		7	10	-	-	11	
November	229	140	-	-	-		25	34	-	-	-		7	12	-	-	-	
December	243	131	-	-	-		26	27	-	-	-		7	9	-	-	-	
Annual Avg.	138	138	111	-	194		30	27	22	-	25		7	13	9	-	11	

Comparative Values of PM10, SO₂ & NO₂ µg/m³
For the years 2018-2022

Rural Area Station Name: - **Gopimal Koursain Industry, Vill- Rohila, Distt.-Ludhiana**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	-	135	103	167	77	91	-	18	20	21	12	19	-	10	5	10	7	8
February	-	103	112	136	90	79	-	16	25	21	16	16	-	8	5	9	8	6
March	47	161	112	141	103	83	11	19	25	22	16	17	5	11	5	9	8	8
April	133	200	--	144	187		11	23	--	22	22		5	6	--	8	10	
May	211	349	--	120	158		21	12	--	23	20		8	8	--	8	10	
June	220	152	--	128	130		21	17	--	19	18		7	13	--	7	9	
July	75	110	--	128	89		20	19	--	21	16		6	7	--	7	7	
August	91	66	--	60	72		23	15	--	8	13		7	7	--	5	6	
September	79	241	164	46	82		25	22	21	7	13		8	9	9	4	7	
October	125	167	196	102	205		24	30	24	12	24		7	10	11	6	9	
November	181	241	170	129	212		26	34	27	20	27		8	14	11	9	10	
December	157	129	153	154	141		25	24	20	17	23		6	7	9	10	9	
Annual Avg.	132	171	144	121	129		21	21	23	18	18		7	9	8	8	8	

Comparative Values of PM10, SO₂ & NO₂ µg/m³
For the years 2018-2022

Rural Area Station Name:-**Longiwalia Yarns, Vill. Bishanpura, Distt-Ludhiana**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	-	186	114	160	70	100	-	17	22	22	9	19	-	7	6	8	6	8
February	-	122	122	144	112	73	-	18	28	23	15	15	-	7	8	9	8	7
March	72	178	80	154	98	111	11	20	22	24	16	18	5	7	4	8	8	8
April	116	202	--	171	213		11	21	--	25	23		5	10	--	10	11	
May	165	259	-	146	149		21	25	--	23	21		8	11	--	8	10	
June	201	-	--	136	125		21	-	--	23	18		7	-	--	8	8	
July	77	85	64	126	100		19	14	14	22	15		6	7	8	8	7	
August	87	57	95	108	68		19	14	15	16	13		6	5	6	7	6	
September	73	146	160	72	98		19	24	24	15	14		6	7	10	7	7	
October	160	165	224	150	200		20	29	27	17	23		6	11	13	8	10	
November	203	336	182	132	230		24	39	29	17	28		9	17	11	8	10	
December	215	156	159	173	137		20	27	22	18	21		8	9	8	10	8	
Annual Avg.	137	172	153	139	133		19	23	23	20	18		7	9	8	8	8	

Comparative Values of PM10, SO₂ & NO₂ µg/m³

For the years 2018-2022

Rural Area Station Name: - **Dr. B.R. Ambedkar Bhawan*, Village Nanaksar Kaleran, Tehsil Jagraon (previously- Forest Office, Vill. Aligarh, Distt-Ludhiana)**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	115	114	39	-	112	94	25	20	15	-	20	14	3	6	5	-	8	7
February	113	92	30	-	105	64	26	17	15	-	17	13	3	6	5	-	7	6
March	162	68	22	-	107	120	26	14	16	-	20	15	4	5	6	-	7	6
April	165	88	--	-	-		24	18	--	-	-		5	9	--	-	-	
May	123	77	--	-	164		27	19	--	-	20		6	12	--	-	11	
June	162	104	--	-	108		29	18	--	-	20		7	7	--	-	8	
July	62	110	--	33	88		18	13	--	12	17		6	5	--	8	6	
August	74	47	--	40	74		16	11	--	12	15		6	5	--	7	7	
September	94	34	--	40	83		14	13	--	8	16		5	6	--	6	7	
October	137	37	-	71	103		18	20	-	16	17		8	6	-	8	7	
November	154	69	-	108	209		21	24	-	18	22		7	8	-	10	9	
December	141	64	-	95	109		15	21	-	19	16		6	6	-	7	7	
Annual Avg.	125	75	30	65	115		22	17	15	14	18		6	7	5	8	8	

* operational from may, 2022

Comparative Values of PM10, SO₂ & NO₂ µg/m³

For the years 2018-2022

Rural Area Station Name:-**Ludhiana College of Engineering, Vill. Chowkimann, Distt-Ludhiana**

Month	PM ₁₀ (µg/m ³)						NO ₂ (µg/m ³)						SO ₂ (µg/m ³)					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	112	112	77	-	75	102	24	21	20	-	19	15	3	8	8	-	8	6
February	101	83	108	-	99	82	26	19	19	-	19	14	2	7	8	-	9	6
March	138	63	114	-	120	88	26	18	19	-	21	15	4	6	9	-	9	8
April	137	83	--	-	177		24	20	--	-	20		5	8	--	-	9	
May	158	75	--	-	145		27	21	--	-	19		6	9	--	-	10	
June	231	78	--	-	176		29	22	--	-	20		8	8	--	-	7	
July	107	60	--	27	157		25	18	--	11	18		7	7	--	7	6	
August	100	37	--	52	140		21	17	--	14	16		5	7	--	7	6	
September	118	29	--	73	156		24	15	--	12	15		6	7	--	7	7	
October	149	35	-	83	167		26	11	-	15	17		8	7	-	7	6	
November	176	85	-	107	228		26	25	-	20	26		7	8	-	9	8	
December	181	88	-	119	129		20	20	-	20	16		7	8	-	7	6	
Annual Avg.	142	69	100	77	147		25	19	19	15	19		6	8	8	7	7	

Comparative Values of PM10, SO₂ & NO₂ µg/m³
For the years 2023

Rural Area Station Name:-**STP
Bhattian, Khanna, Distt-
Ludhiana**

Month	PM10 (µg/m ³)		
	2023	2023	2023
January	171	24	9
February	152	22	8
March	102	16	8
April			
May			
June			
July			
August			
September			
October			
November			
December			
Annual Avg.			