

Air Pollution – Brief Analysis for October 2022

Air pollution is a problem faced all across the country. Despite several steps announced by the government and formation of committees and action plans, things on ground leave a lot to be desired. The matter takes urgency in the North during the winter months when the situation becomes critical.

Environics has installed low cost portable air monitors in several locations in the city of Korba which has large number of coal mines, power plants and other industries to capture the extent of air pollution. Devices have also been installed in Delhi and Ranchi. List of devices and locations can be seen in the Annexure. Below is a brief representation of data captured by these devices. The analysis has been done for two reporting periods – 1 October to 31 October 2022 and Jan to October 2022 (till date)

Section 1 – Data Analysis for period Jan to October 2022

Monthly Average AQI - Different Cities										
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Korba	268	202	217	206	110	123	80	91	106	173
Delhi	330	224	188	139	114	80	76	86	96	257
Ranchi	-	-	-	-	-	-	158	89	91	174

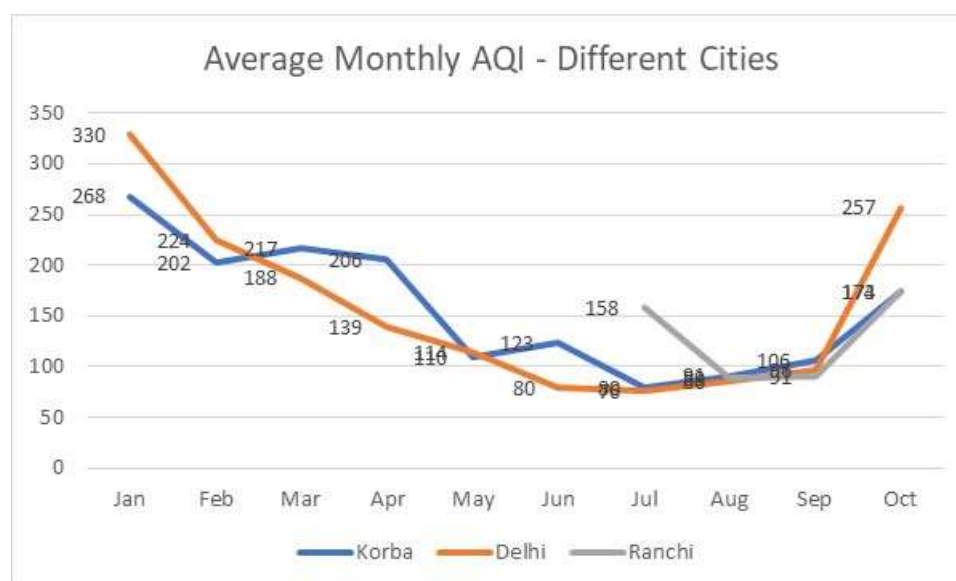


Table and Graph above show the Average Monthly AQI in different locations. The graph and data clearly showcase the winter months when AQI comes under dangerous levels and summer and monsoon months when the air quality is Satisfactory. This data shows when urgent steps for air quality improvement need to be undertaken on a war footing. Although, air quality improvement should be a year long activity and the base load factors like vehicle exhausts, industrial exhausts, construction dust etc which are year wide activities need to be controlled better so that seasonal factors like biomass burning, cold conditions, calm winds etc can have minimal impacts. Currently in the entire country the base load of air pollutants is very high and any short or seasonal factors take the air quality into severe one which can be very hazardous for health. During this period, Delhi recorded the worst AQI in the month of January. Out of 10 months, for 6-month AQI in Delhi was above 100 while Korba

had AQI above 100 for 8 months. The overall data for Korba shows that Korba Air is more polluted than Delhi.

Monthly Average HI - Different Cities										
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Korba	19	24	29	36	40	39	37	35	35	30
Delhi	17	20	26	32	35	36	39	37	36	28
Ranchi							31	30	29	24

The above table shows the Monthly Average Heat Index for different cities.

Data on AQI categories – Under the NAAQS, AQI categories have been listed which lists the different levels of Air pollution.

The Table below shows the AQI Categories for All device's location wise since January 2022. The numbers are daily figures for individual devices which have been added up based on cities. It means that AQI in Korba was between 0-50 on 161 daily intervals as recorded by all devices installed in Korba. The data shows that in all locations more than 50% of the days, AQI has been above 100. Delhi and Korba recorded almost 29% of the intervals with AQI above 200. Both these cities have severe air pollution which needs to be controlled drastically and urgently.

Location wise Totals								
	0-50	50-100	100-200	200-300	300-400	>400	Grand Total	Percent AQI >100
Korba	161	479	799	383	151	45	2018	68.29%
Delhi	380	759	889	452	240	117	2837	59.85%
Ranchi	4	27	27	5	1	0	64	51.56%

The Table below show City wise and month wise AQI categories wise information. The numbers are daily figures for individual devices which have been added up based on locations for each month. It means that AQI in Korba was between 50-100 on 12 daily intervals as recorded by all devices installed in Korba. The data shows the severe AQI months for both Korba and Delhi. Atmospheric conditions play a vital role in Air Pollution hence, AQI is Satisfactory in the summer and monsoon month when dispersion of pollutants is high. Weather conditions along with emission sources should be carefully considered and emissions controlled to ensure AQI remains below 100 throughout the year.

		0-50	50-100	100-200	200-300	300-400	>400	Grand Total	Percent AQI >100
Korba	Jan	0	12	36	48	31	6	133	91%
	Feb	0	22	118	102	19	4	265	92%
	Mar	0	28	99	56	29	16	228	88%
	Apr	2	13	72	55	27	6	175	91%
	May	4	70	101	9	0	0	184	60%
	June	3	68	113	21	0	0	205	65%
	July	50	74	46	5	0	0	175	29%
	Aug	58	61	52	13	1	0	185	36%
	Sep	19	68	35	2	0	0	124	30%

	Oct	25	63	127	72	44	13	344	74%
Delhi	Jan	0	2	20	88	101	81	292	99%
	Feb	15	32	74	96	85	14	316	85%
	Mar	2	49	172	145	27	0	395	87%
	Apr	10	85	219	59	0	0	373	75%
	May	44	119	187	12	0	0	362	55%
	June	152	134	63	9	3	1	362	21%
	July	76	192	71	5	0	0	344	22%
	Aug	47	83	29	0	0	0	159	18%
	Sep	24	50	38	7	0	0	119	38%
	Oct	10	13	16	31	24	21	115	80%

The Table below show Device wise AQI categories wise information. The numbers are daily figures for individual devices which have been added up till date. It means that AQI measured by device number ending with 66644 was between 50-100 on 30 daily intervals

Device Wise Totals (Selected Devices)									
		0-50	50-100	100-200	200-300	300-400	>400	Grand Total	Percent AQI >100
861480034766644	Korba	12	30	62	25	19	3	151	72.19%
861480034786105	Korba	17	48	128	68	24	5	290	77.59%
861480034775850	Korba	35	98	99	32	12	1	277	51.99%
861480034777765	Korba	4	11	41	9	2	0	67	77.61%
861480034765562	Korba	38	83	92	33	13	0	259	53.28%
861480034757130	Korba	23	60	55	24	6	2	170	51.18%
862649042673930	Korba	0	41	64	32	13	8	158	74.05%
861480034765406	Korba	0	12	113	88	24	10	247	95.14%
861480034774176	Korba	6	41	56	23	5	3	134	64.93%
862649042685215	Korba	23	46	48	10	3	2	132	47.73%
861480034766461	Delhi	21	79	87	68	31	17	303	67.00%
861480034784522	Delhi	42	79	92	25	6	5	249	51.41%
862649043466961	Delhi	46	76	96	40	22	12	292	58.22%
861480034785552	Delhi	40	82	80	41	26	7	276	55.80%
861480034766453	Ranchi	4	27	27	5	1	0	64	51.56%

Section 2 –Information and Analysis for October 2022

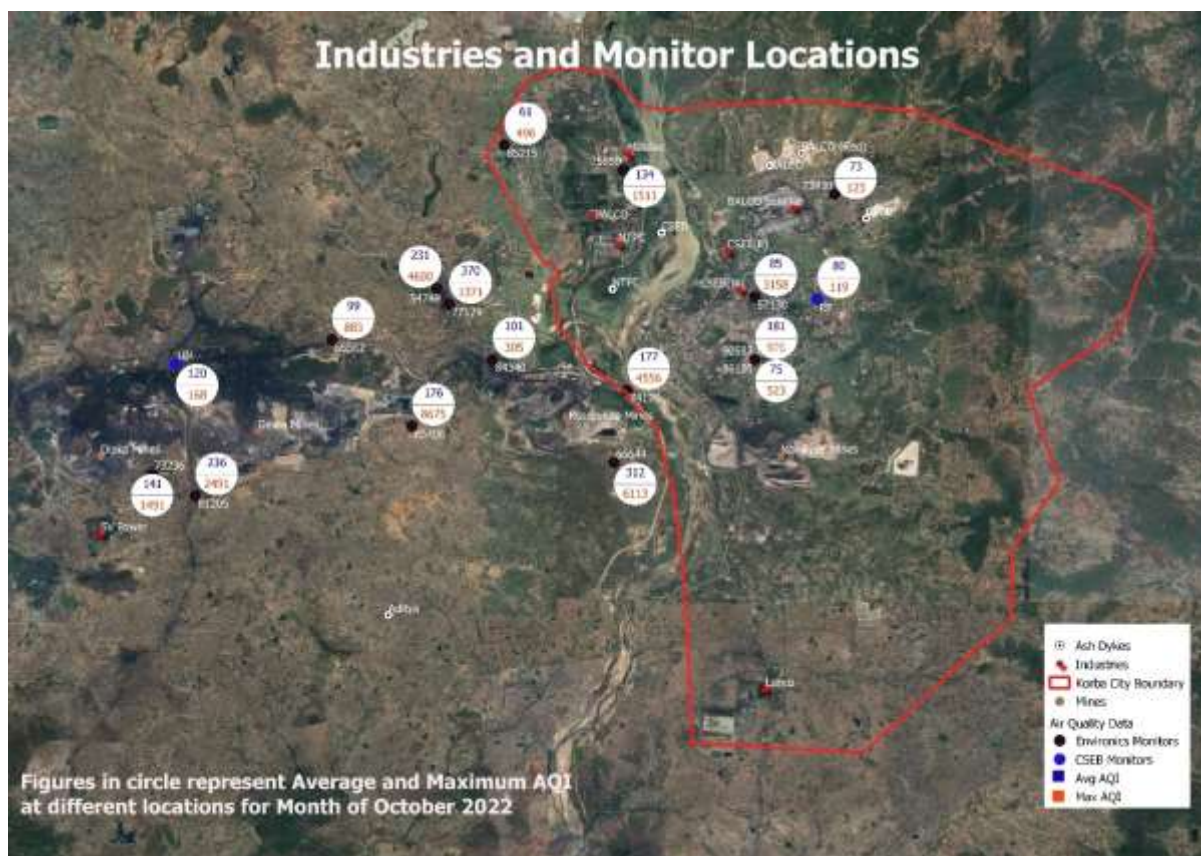
Location wise Avg and Max AQI		
Location	Avg	Max
Korba	173	8675
Delhi	257	1325
Ranchi	149	2669

Table above shows the city wise Avg and Max AQI for October 2022. During this period Avg AQI is highest in Delhi although the Max AQI is recorded highest in Korba and has been recorded above 8000. Although such high numbers have been recorded only for a few intervals but getting such high number for AQI is a matter of grave concern. In Delhi also, the Max AQI recorded has crossed 1000 which is a matter of alarm.

Data for individual devices placed at Korba can be seen in below table. Out of 15 devices which worked in Korba in this period 11 devices recorded maximum AQI greater than 1000 and further 2 were around 900. Average Monthly AQI is above 100 in case of 11 devices. Device placed at Surakachar chowk near the underground Mines recorded the highest Avg AQI at 370 while device at NTPC Housing Colony was the cleanest at 61.

Location wise Avg and Max AQI for devices placed at Korba			
Device Number	Location	Avg	Max
861480034766644	Village Pali	312	6113
861480034786105	RSS nagar	179	1125
861480034775850	Child Home Darri	134	1511
861480034765562	Gevra Mines Rehabilitated Area	99	883
861480034757130	Korba City, Patharipara	85	3158
861480034765406	RSS Nagar	176	8675
861480034774176	Old Age Home, Near Sarvmangla Mandir	178	4556
862649042685215	NTPC Jamnipalli Housing Colony	61	496
861480034781205	sarai singar chowk	236	2491
861480034777179	Surakachar chowk (underground Mines)	370	1371
861480034784340	Kanha Auto repairs, Station road	218	2295
861480034773236	Aryan Public School, Hardi Bazaar	141	1491
862649042690587	RSS Nagar	181	926
861480034786097	RSS Nagar	75	523
861480034754749	Gud Deva (Coal Siding)	231	4600

The map image below shows the locations of the devices installed in Korba along with the locations of major coal mines, Thermal power plants and ash dykes. The Korba municipal boundary is marked in Red color. The numbers in the map show the Avg and Max AQI for each location along with the device number. Two monitors have been installed by CSEB at Ram Pur and Urja Nagar. These devices have worked for only 5 and 3 days respectively in October (since the beginning of year 2022) and now are shown under maintenance. A few days of operation in dirty air may have damaged the equipment's and sensors or the agency doesn't want the data to become public.



Map - Install and industrial locations at Korba. Numbers reflect Avg and Max AQI of the location for October 2022. Map also shows the location of major coal mines, Thermal Power Plants and Ash Dykes. Korba Municipal Boundary is marked in Red color

Daily average AQI for Different Cities for October 2022															
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Korba	87	62	233	106	99	120	227	100	85	95	134	165	192	189	198
Delhi	88	169	232	38	47	38	43	60	133	190	148	198	234	287	268
Ranchi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Korba	243	206	203	179	201	172	208	194	255	267	248	261	246	243
Delhi	304	225	287	311	208	347	379	244	352	431	434	473	413	478
Ranchi	-	-	-	-	-	-	143	156	63	-	-	-	-	-

The Tables above show Daily Average AQI between different cities. Cells where AQI>100 have been highlighted. In Delhi, the period of October when AQI is below 100 experienced heavy rainfall which improved the AQI drastically and as soon as rain ended, the AQI deteriorated. Diwali on 24 October saw a further fall in AQI category although the impact of crackers was for a short duration of 10-12 hours.

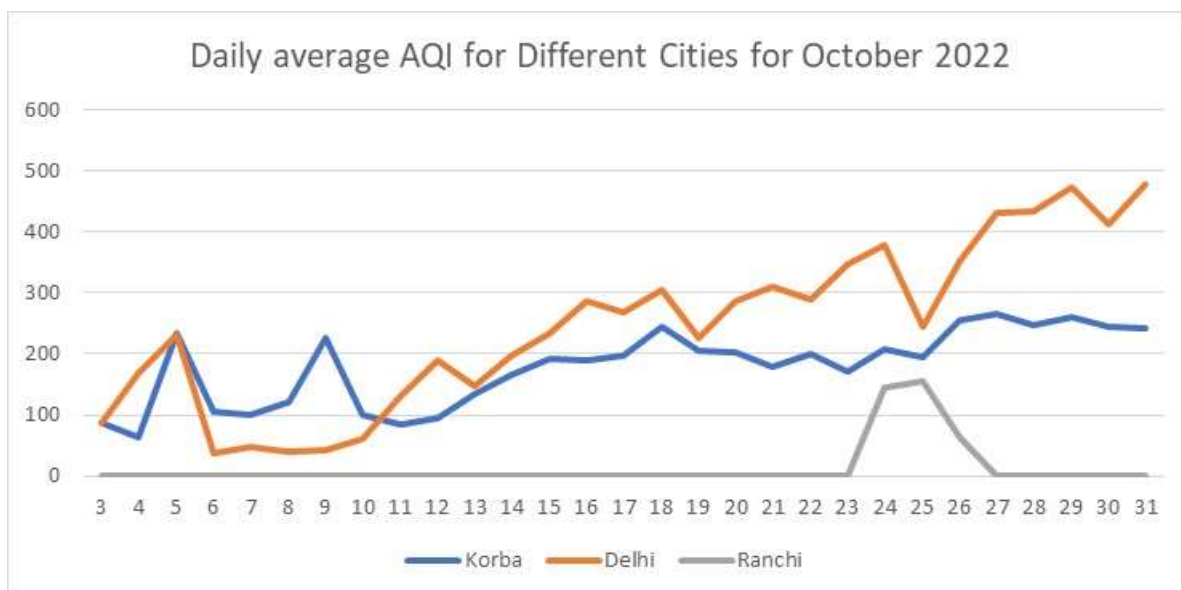


Table below shows the Daily Avg AQI for individual devices placed at Korba.

Average AQI, Device Wise at Korba for October 2022																	
Date	66644	86105	75850	77765	65562	57130	73930	65406	74176	85215	81205	77179	84340	73236	90587	86097	54749
1	-	185	120	-	86	101	-	-	126	76	-	-	-	-	-	-	-
2	333	235	142	-	127	124	-	-	153	92	-	-	-	-	-	-	-
3	-	193	129	-	87	92	-	-	162	85	-	-	-	-	-	-	-
4	-	89	45	-	57	61	-	-	108	35	-	-	-	-	-	-	-
5	-	81	79	-	55	57	-	-	156	44	435	820	-	-	-	-	750
6	-	57	75	-	40	53	-	-	-	32	-	385	-	-	-	-	-
7	-	45	63	-	36	45	-	-	-	26	-	388	-	-	-	-	-
8	-	82	106	-	42	62	-	-	-	45	-	394	-	-	-	-	-
9	-	98	99	-	66	78	-	-	59	48	387	351	414	434	417	-	375
10	178	63	89	-	45	164	-	-	71	32	103	224	111	88	129	107	85
11	120	90	58	-	39	40	73	132	53	30	69	199	121	47	125	75	124
12	131	104	72	-	65	47	-	73	65	38	134	211	146	98	103	35	126
13	286	151	90	-	86	50	-	141	103	47	150	296	144	108	158	-	116
14	267	160	114	-	97	-	-	118	120	55	-	385	253	88	180	-	-
15	478	164	91	-	100	-	-	151	171	50	325	352	155	109	228	-	-
16	320	168	107	-	105	-	-	149	166	47	349	366	168	128	215	-	-
17	321	236	136	-	109	-	-	179	177	59	-	383	192	137	254	-	-
18	376	274	196	-	160	-	-	147	221	78	353	426	255	201	253	-	-
19	381	231	161	-	112	147	-	141	178	73	312	388	199	163	223	-	-
20	392	225	173	-	149	107	-	180	194	75	248	408	179	145	245	-	-
21	282	188	124	-	89	81	-	115	186	58	258	371	288	129	161	-	233
22	329	227	204	-	129	109	-	380	232	78	246	392	281	105	103	-	229
23	222	209	117	-	104	95	-	196	185	98	198	359	240	145	117	-	155
24	271	265	183	-	123	128	-	295	185	109	242	384	288	165	178	-	254

25	357	244	178	-	126	94	-	165	187	69	229	383	271	205	88	-	196
26	377	271	211	-	139	-	-	173	235	-	303	392	224	194	-	-	314
27	432	270	217	-	162	-	-	171	286	-	318	393	251	219	-	-	277
28	352	220	195	-	128	-	-	196	276	-	316	391	261	203	-	-	255
29	367	262	191	-	156	-	-	170	297	-	300	428	286	197	-	-	265
30	316	236	199	-	131	-	-	191	260	-	356	424	228	97	-	-	343
31	371	241	200	-	131	-	-	211	261	-	333	451	220	36	-	-	295

Table – Daily Avg AQI at Korba

Table - AQI Category wise information for individual devices (**October 2022**)

AQI categories Wise Information for Different Devices - October 2022										
Device Number	Location		0-50	50-100	100-200	200-300	300-400	>400	Grand Total	Percent AQI >100
861480034766644	Korba	Oct			3	5	13	2	23	100%
861480034786105	Korba	Oct	1	7	8	15			31	74%
861480034775850	Korba	Oct	1	9	18	3			31	68%
861480034777765	Korba	Oct	-	-	-	-	-	-		
861480034765562	Korba	Oct	5	10	16				31	52%
861480034757130	Korba	Oct	3	10	7				20	35%
862649042673930	Korba	Oct		1					1	0%
861480034765406	Korba	Oct		1	17	2	1		21	95%
861480034774176	Korba	Oct		4	16	8			28	86%
862649042685215	Korba	Oct	12	12	1				25	4%
861480034781205	Korba	Oct		1	4	6	10	1	22	95%
861480034777179	Korba	Oct			1	3	17	6	27	100%
861480034784340	Korba	Oct			9	13		1	23	100%
861480034756637	Korba	Oct	-	-	-	-	-	-		
861480034773236	Korba	Oct	2	4	12	4		1	23	74%
862649042690587	Korba	Oct		2	9	6		1	18	89%
861480034786097	Korba	Oct	1	1	1				3	33%
861480034754749	Korba	Oct		1	5	7	3	1	17	94%
861480034766461	Delhi	Oct	3	2	5	9	6	6	31	84%
861480034784522	Delhi	Oct	1	5	4	10	6	5	31	81%
862649043466961	Delhi	Oct	1	2	2	4	8	5	22	86%
861480034785552	Delhi	Oct	5	4	5	8	4	5	31	71%
861480034766453	Ranchi	Oct		1	2				3	67%

Time Interval wise Average AQI City wise and Device wise can be seen in table below

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to midnight
Delhi	272	269	196	284
861480034766461	273	282	206	296

861480034784522	292	276	169	299
861480034785552	241	222	186	226
862649043466961	290	309	234	332
Korba	141	179	141	252
861480034754749	138	199	186	374
861480034756637		108	100	
861480034757130	51	103	72	114
861480034765406	99	159	101	340
861480034765562	75	100	83	147
861480034766644	241	366	295	343
861480034773236	139	138	94	192
861480034774176	174	207	114	218
861480034775850	108	119	98	207
861480034777179	332	355	342	439
861480034781205	220	225	174	303
861480034784340	148	209	163	347
861480034786097	42	68	24	154
861480034786105	158	188	123	247
862649042685215	50	61	54	76
862649042690587	117	164	145	279
Ranchi	80	139	41	391
861480034766453	80	139	41	391

Time Interval Wise Maximum AQI at different Cities and devices

Row Labels	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to midnight
Delhi	1208	731	1215	1325
861480034766461	1208	731	1215	1125
861480034784522	598	582	508	1325
861480034785552	548	521	447	571
862649043466961	738	605	550	905
Korba	1491	6113	6113	8675
861480034754749	511	2205	4241	4600
861480034756637		110	305	
861480034757130	609	3158	1303	1280
861480034765406	427	835	766	8675
861480034765562	883	706	585	443
861480034766644	889	6113	6113	1675
861480034773236	1491	801	796	846
861480034774176	626	4556	1419	2083
861480034775850	423	420	849	1511
861480034777179	646	701	652	1371
861480034781205	517	571	623	2491
861480034784340	674	1083	1083	2295

861480034786097	207	329	55	523
861480034786105	494	705	363	1125
862649042685215	325	429	335	496
862649042690587	358	613	581	926
Ranchi	227	1165	80	2669
861480034766453	227	1165	80	2669

Annexure 1 – Device Locations

Device Name / Location	Current City	City
861480034766644	Village Pali	Korba
861480034786105	RSS nagar	Korba
861480034775850	Child Home Darri	Korba
861480034777765	-	Korba
861480034765562	Gevra Mines Rehabilitated Area	Korba
861480034757130	Korba City, Patharipara	Korba
862649042673930	Balco Housing Board	Korba
861480034765406	RSS Nagar	Korba
861480034774176	Old Age Home, Near Sarvmangla Mandir	Korba
862649042685215	NTPC Jamnipalli Housing Colony	Korba
861480034781205	sarai singar chowk	Korba
861480034777179	Surakachar chowk (underground Mines)	Korba
861480034784340	Station road	Korba
861480034773236	Hardi Bazaar	Korba
862649042690587	RSS Nagar	Korba
861480034786097	RSS Nagar	Korba
861480034754749	Gud Deva	Korba
861480034766461	Delhi	Delhi
861480034784522	Deli-RS	Delhi
862649043466961	Delhi	Delhi
861480034785552	Delhi	Delhi
861480034766453	Ranchi	Ranchi

Some Graphs and Data for Devices Placed at Korba

- 861480034766644 - Greenvoice Office dadar. Relocated to Village Pali in October

Table - Monthly Average and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Feb	258	23	1326	34
May	128	40	1150	54
Jun	147	39	1033	54
Jul	77	38	560	50
Aug	102	34	558	53
Sep	163	35	394	53
Oct	312	30	6113	50
Overall Average	168	34	6113	54



Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Jan				2	1	1	4
Feb			1	15	5		21
May		7	17				24
Jun		4	24	2			30
Jul	7	3	2				12
Aug	3	7	6	1			17
Sep			2				2
Oct			3	5	13	2	23
Total	22	78	129	70	80	35	414

Table - Max AQI Time Intervals Wise (15 Minute Interval)

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	391		1994	1205
Feb	978	1221	514	1326
May	1003	507	1150	836
Jun	381	677	514	1033
Jul	223	280	560	417
Aug	412	451	369	558
Sep	48	277	327	394
Oct	889	6113	6113	1675

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	237		340	474
Feb	234	318	121	364
May	132	145	90	148
Jun	141	175	105	167
Jul	56	66	90	99
Aug	74	117	87	131
Sep	26	132	194	187
Oct	241	366	295	343

Note - The device did not work between 21 Feb to 6 May 2022 –

- 861480034786105 - RSS Nagar

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Jan	298	18	1898	29
Feb	205	22	939	36
Mar	273	29	1225	44
Apr	238	36	1190	52
May	125	39	1205	58
Jun	134	39	1278	58
Jul	77	38	1010	59
Aug	102	34	963	58
Sep	119	34	730	60
Oct	179	29	1125	49

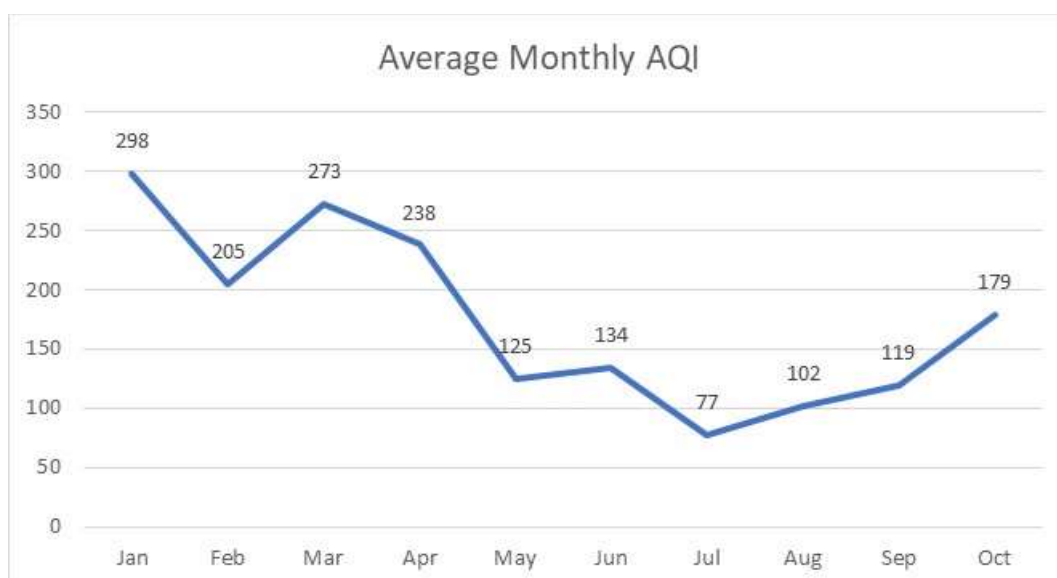


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Jan				11	9		20
Feb			14	12	2		28
Mar			12	7	8	4	31
Apr			6	18	5	1	30
May		6	25				31
Jun		3	26	1			30
Jul	9	14	7				30
Aug	5	11	11	2			29
Sep	2	7	19	2			30
Oct	1	7	8	15			31
Total	17	48	128	68	24	5	290

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	554	758	1898	1593
Feb	562	918	582	939
Mar	1060	1068	1225	1048
Apr	845	1103	1190	1118
May	628	1040	1030	1205
Jun	625	1118	1278	970
Jul	709	635	1010	505
Aug	359	963	394	629
Sep	330	578	377	730
Oct	494	705	363	1125

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	258	344	209	383
Feb	170	265	109	278
Mar	287	328	141	337
Apr	232	288	134	298
May	105	156	97	142
Jun	114	173	100	151
Jul	58	86	75	102
Aug	82	103	74	148
Sep	94	140	84	156
Oct	158	188	123	247

- 861480034775850 - Child Home Darri

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Jan	293	19	694	28
Feb	175	23	1574	41
Mar	194	30	723	49
Apr	159	35	586	55
May	76	39	545	58
Jun	88	38	1225	59
Jul	65	34	466	54
Aug	77	33	726	57
Sep	80	33	547	54
Oct	134	30	1511	53

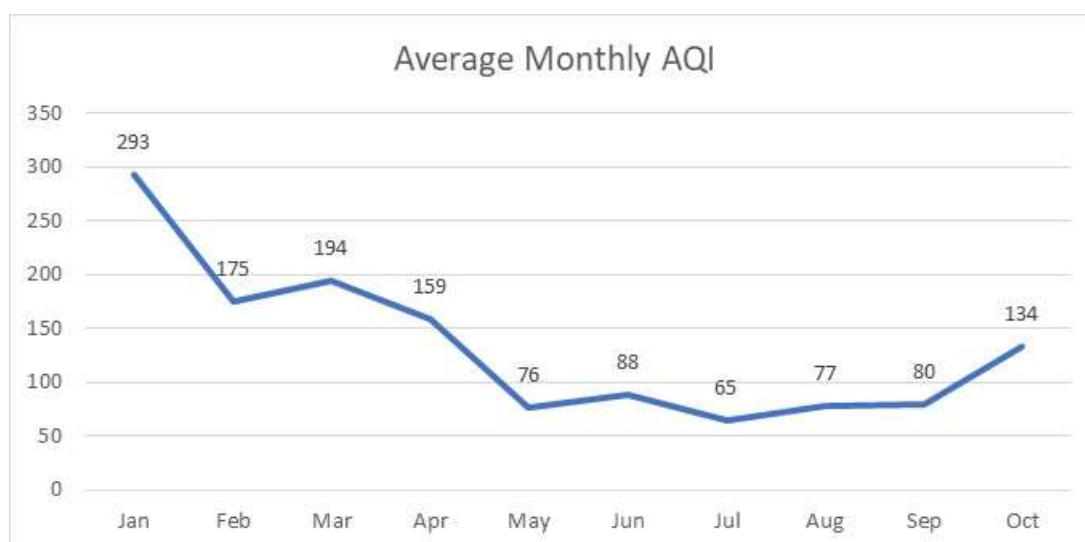


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Jan		1		8	4	1	14
Feb		1	18	8	1		28
Mar		5	12	9	5		31
Apr		2	22	4	2		30
May	3	21	3				27
Jun	2	17	11				30
Jul	12	13	3				28
Aug	12	11	8				31
Sep	5	18	4				27

Oct	1	9	18	3			31
Total	35	98	99	32	12	1	277

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	411	562	501	694
Feb	426	876	368	1574
Mar	582	723	418	628
Apr	469	586	333	583
May	367	417	436	545
Jun	433	1225	297	963
Jul	378	369	305	466
Aug	381	445	306	726
Sep	311	514	381	547
Oct	423	420	849	1511

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	272	327	224	346
Feb	148	201	87	263
Mar	195	222	102	259
Apr	172	195	73	198
May	68	91	50	95
Jun	73	113	59	107
Jul	38	71	57	87
Aug	57	75	62	116
Sep	57	87	71	106
Oct	108	119	98	207

- 861480034765562 - Gevra Mines Rehabilitated Area

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Jan	350	20	1168	27
Feb	185	23	1640	39
Mar	212	29	1515	48
Apr	238	35	1040	52
May	98	38	1300	56
Jun	109	38	1156	52
Jul	66	36	939	56
Aug	69	35	633	49
Sep	74	36	1110	55
Oct	99	31	883	54

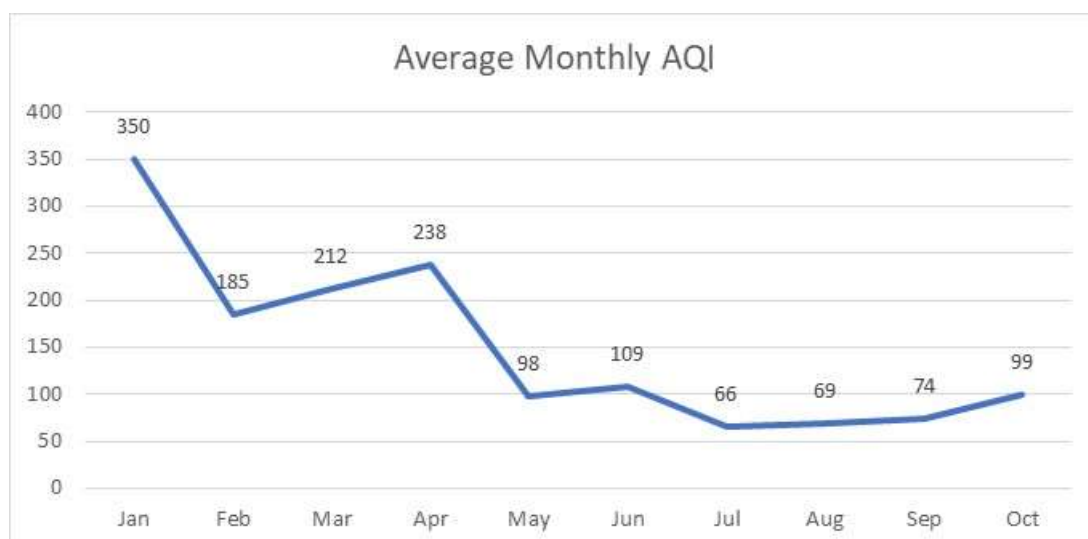


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Jan					1		1
Feb			17	9	1		27
Mar		1	14	10	6		31
Apr			7	13	5		25
May	1	14	13				28
Jun		15	14	1			30
Jul	11	17	3				31
Aug	15	11	5				31
Sep	6	15	3				24
Oct	5	10	16				31
Total	38	83	92	33	13		259

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan			267	1168
Feb	750	1448	1248	1640
Mar	550	1515	1415	1064
Apr	1040	546	463	1020
May	330	970	798	1300
Jun	1114	598	358	1156
Jul	522	939	619	673
Aug	277	633	409	485
Sep	227	450	1110	728
Oct	883	706	585	443

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan			81	519
Feb	179	194	99	271
Mar	214	231	126	278
Apr	265	284	140	249
May	93	111	69	120
Jun	110	125	70	131
Jul	46	85	62	72
Aug	51	79	65	84
Sep	50	87	80	82
Oct	75	100	83	147

- 861480034757130 - Korba City

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Jan	393	19	1984	24
Feb	252	23	1243	46
Mar	275	25	413	31
Apr	165	37	1305	50
May	119	40	1210	59
Jun	132	39	445	53
Jul	96	36	1965	53
Aug	58	34	1455	44
Sep	71	35	1278	45
Oct	85	32	3158	44

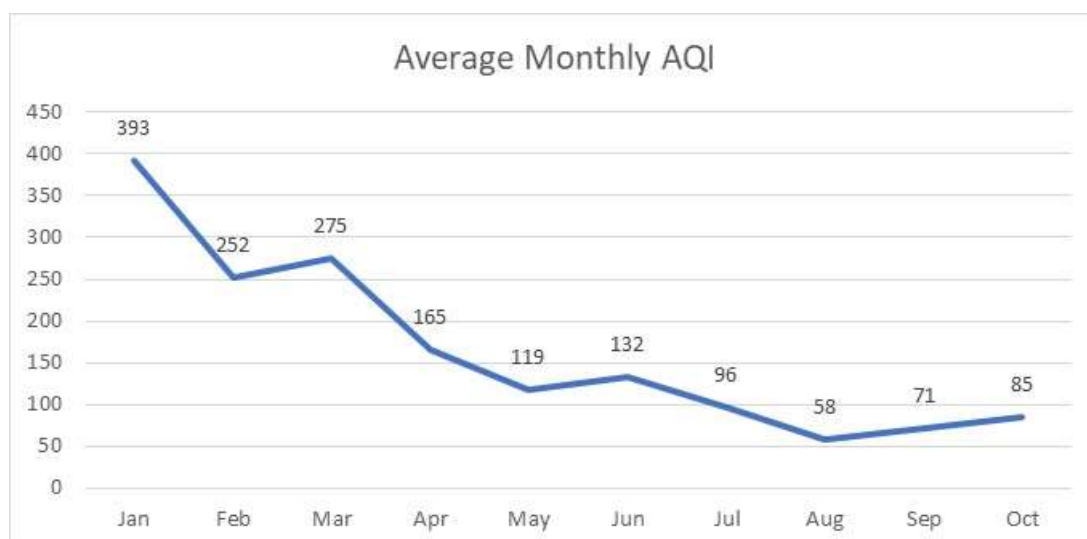


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Jan			2	1	3	1	7
Feb		1	3	21	3		28
Mar			1			1	2
Apr			5				5
May		7	17				24
Jun		3	12	1			16
Jul	3	6	3	1			13
Aug	12	11	2				25
Sep	5	22	3				30
Oct	3	10	7				20
Total	23	60	55	24	6	2	170

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	367	387	1984	1369
Feb	368	923	1243	1011
Mar	0	137		413
Apr	598	955	328	1305
May	933	1210	1175	389
Jun	207	445	429	435
Jul	808	1233	1965	385
Aug	948	468	1348	1455
Sep	1100	435	673	1278
Oct	609	3158	1303	1280

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	282	364	334	445
Feb	209	328	127	340
Mar		137		413
Apr	117	244	87	212
May	97	134	104	140
Jun	93	159	112	162
Jul	52	95	128	114
Aug	40	49	56	82
Sep	43	76	64	100
Oct	51	103	72	114

- 861480034765406 - Kusmunda Mines Area

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Jan	221	18	1555	25
Feb	258	25	1683	52
Mar	260	32	1774	60
Apr	319	37	1921	49
May	179	40	1996	61
Jun	200	40	1969	55
Jul	157	37	1984	50
Aug	168	36	1955	53
Sep	184	41	452	44
Oct	176	30	8675	42

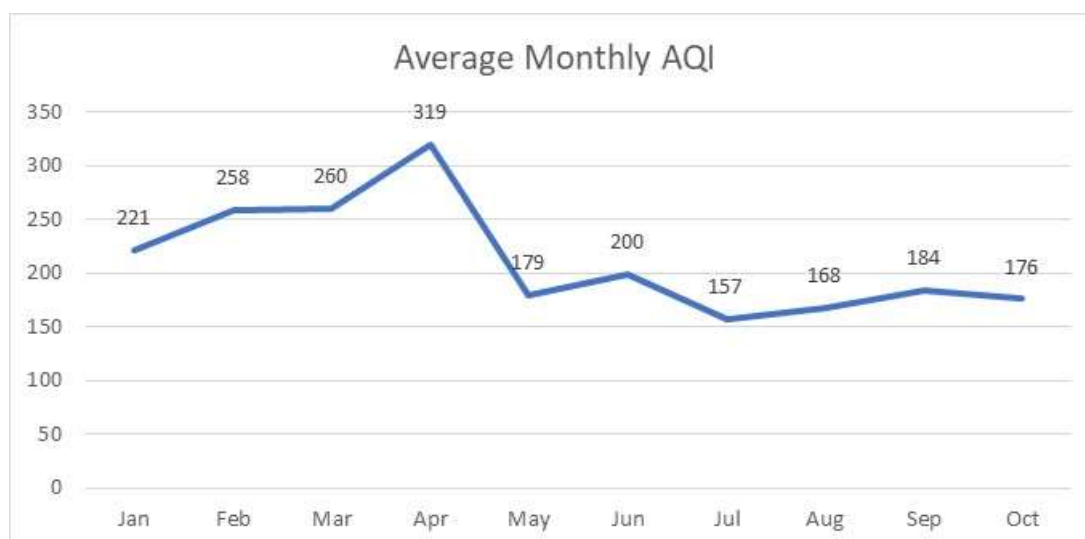


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Jan		1	8	7	4		20
Feb			5	17	4	1	27
Mar			10	9	2	5	26
Apr				14	12	4	30
May			20	9			29
Jun			14	16			30
Jul		6	21	4			31
Aug		4	16	10	1		31
Sep			2				2
Oct		1	17	2	1		21
Total		12	113	88	24	10	247

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	434	497	580	1555
Feb	590	1428	1683	1646
Mar	660	1371	1234	1774
Apr	936	1921	1816	1725
May	508	1730	1996	1013
Jun	681	1969	1853	1169
Jul	492	1984	1786	1261
Aug	427	1955	1853	946
Sep	270	452	308	414
Oct	427	835	766	8675

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Jan	181	234	119	342
Feb	170	283	159	421
Mar	183	304	174	383
Apr	265	402	245	367
May	116	249	169	182
Jun	117	291	210	183
Jul	65	241	179	139
Aug	83	219	200	169
Sep	103	241	164	292
Oct	99	159	101	340

- 861480034774176 - Balco Township, Relocated to Old Age Home near Sarvmangla Mandir in October

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Feb	116	21	686	51
Mar	199	28	1043	52
Apr	165	34	666	51
May	73	37	438	50
Jul	35	39	318	44
Sep	93	31	367	41
Oct	177	31	4556	56

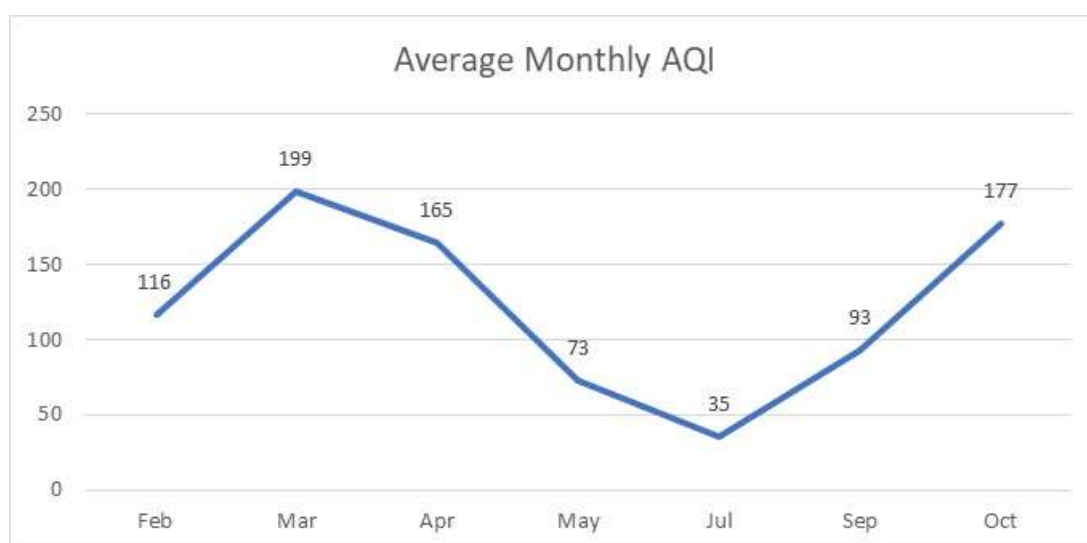


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Feb		10	14	1			25
Mar		10	7	8	3	3	31
Apr		5	15	6	2		28
May	2	9	3				14
Jul	4	1					5
Sep		2	1				3
Oct		4	16	8			28
Total	6	41	56	23	5	3	134

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Feb	383	556	514	686

Mar	1043	939	385	856
Apr	666	592	329	437
May	263	438	273	280
Jul	17	95	43	318
Sep	283	367	342	338
Oct	626	4556	1419	550

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Feb	106	126	65	165
Mar	249	209	91	244
Apr	192	200	81	187
May	77	79	58	79
Jul	13	25	16	52
Sep	58	143	72	101
Oct	174	207	114	215

- 862649042685215 - NTPC Jamnipalli

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Feb	152	22	1369	33
Mar	193	28	1343	43
Apr	179	36	764	51
Jun	84	37	537	56
Jul	72	34	338	51
Aug	37	34	365	50
Sep	66	34	383	52
Oct	61	29	496	46

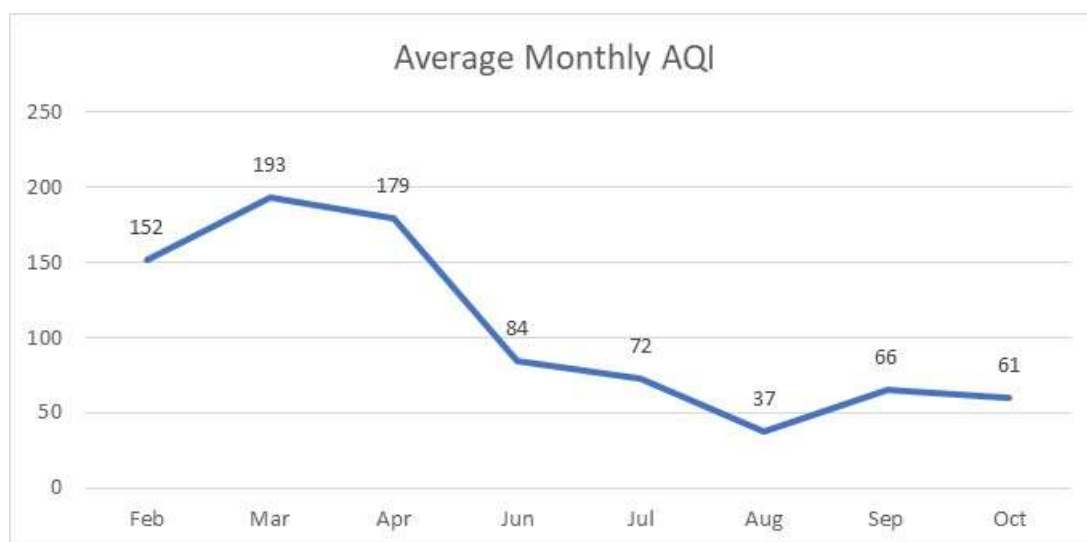


Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Feb		1	19	3			23
Mar		6	11	6	3	2	28
Apr			10	1			11
Jun	1	16	6				23
Jul	1	5					6
Aug	8	2					10
Sep	1	4	1				6
Oct	12	12	1				25
Total	23	46	48	10	3	2	132

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Feb	351	619	313	1369
Mar	718	861	346	1343

Apr	385	443	431	764
Jun	458	365	336	537
Jul	150	287	338	325
Aug	167	365	163	314
Sep	200	383	157	341
Oct	325	429	335	496

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Feb	139	176	83	207
Mar	186	231	111	243
Apr	187	238	86	207
Jun	78	108	61	90
Jul	46	70	77	100
Aug	29	41	35	42
Sep	65	56	47	96
Oct	50	61	54	76

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Oct	236	27	2491	44

Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Oct		1	4	6	10	1	22

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Oct	517	571	623	2491

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Oct	220	225	174	303

861480034777179

Surakachar chowk (underground Mines) – Installed in October 2022

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Oct	370	29	1371	45

Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Oct			1	3	17	6	27

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Oct	646	701	652	1371

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Oct	332	355	342	439

861480034784340

Kanha Auto repairs, Station road – Installed in October 2022

Table - Monthly Avg and Max AQI and HI

	Avg AQI	Avg HI	Max AQI	Max HI
Oct	218	27	2295	46

Table - AQI Categories Month Wise

	0-50	50-100	100-200	200-300	300-400	>400	Total
Oct			9	13		1	23

Table - Max AQI Time Intervals Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Oct	674	1083	1083	2295

Table - Avg AQI Time Interval Wise

	Midnight to 6 AM	6 AM to 12 Noon	12 Noon to 6 PM	6 PM to Midnight
Oct	148	209	163	347