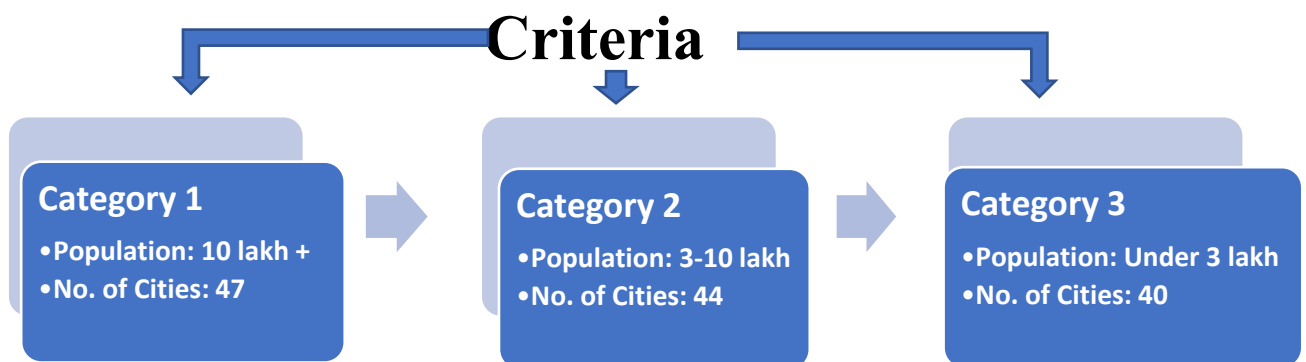


Swachh Vayu Survekshan 2023

“Swachh Vayu Survekshan” is an initiative by MoEF&CC to rank cities on the basis of implementation of activities approved under city action plan and air quality in 131 NCAP cities.

Objectives

- a. To create awareness among all sections of the society
- b. Inform citizens about the health impacts related due to exposure
- c. Comparing air quality conditions at different locations/cities
- d. To achieve the goal of NCAP “Clean air for all”.



*Population 2011 census

Better performing cities i.e, top 3 cities in each category, are rewarded by the Ministry of Environment, forest and Climate change with cash price, trophy and Certificate with title “National Clean Air City” under National Mission for Clean Air on 7th September every year on “International day of Clean Air for Blue Skies”.

Assessment is done based on submission of self - assessment report along with supporting documents by ULBs. The reports and documents are further vetted by respective Air Quality Monitoring Committee (AQMC), chaired by Principal Secretary Environment and further examined and evaluated by CPCB for ranking, on the basis of assessment framework given in MoEF&CC guideline.

Guiding Principles

All 131 cities covered under NCAP are assessed based on ranking framework submitted by Cities/ULBs on PRANA portal (Dashboard to capture progress of NCAP programme).

Methodology Adopted

Assessment is done every year and cities are ranked based on the assessment of performance for the period (financial year i.e, 1st April to 31st March) of the preceding financial year. Specific weightage has been assigned for taking control measures in 08 identified sectors shown in the Table 1 below.

Table 1-Sector wise specific weightage (shown in %)

Sector	Category 1 >10L Population cities (in %)	Category 2 3-10 L Population cities (in %)	Category 3 < 3 L population cities (in %)
Biomass & Municipal Solid Waste Burning	20	20	20
Road dust	20	20	25
Dust from Construction & Demolition Waste	5	5	5
Vehicular Emissions	20	20	15
Emissions from Industries	20	15	15
Other Emissions	10	15	15
IEC activities/Public Awareness	2.5	2.5	2.5
Improvement in PM ₁₀ concentrations	2.5	2.5	2.5

Declaration of Results:

Based on above guiding principles, this year following cities are presented with “National Clean Air City” Awards as part of **Swachh Vayu Survekshan 2023** during National level workshop for celebrating “International Day of Clear Air for Blue Sky” at Bhopal on 7th September’23:

Swachh Vayu Survekshan 2023 Results			
Category	Rank	Cities	Award Cash prize (₹ in crores) for FY 2022-23
Category 1	1 st	Indore, Madhya Pradesh	1.50
	2 nd	Agra, Uttar Pradesh	1.00
	3 rd	Thane, Maharashtra	0.50
Category 2	1 st	Amravati, Maharashtra	0.75
	2 nd	Moradabad, Uttar Pradesh	0.50
	3 rd	Guntur, Andhra Pradesh	0.25
Category 3	1 st	Parwanoo, Himachal Pradesh	0.375
	2 nd	Kala Amb, Himachal Pradesh	0.25
	3 rd	Angul, Odisha	0.125

These cities have adopted best practices such as mitigation of road dust through end to end paving Bioremediation of legacy waste, development of city forest, systematic C&D and solid waste management, Nagar Vatika from reclaimed land of dumpsite, timely utilization of funds.

First “National Clean Air City” Awards as part of **Swachh Vayu Survekshan 2022** were presented during National level workshop title “Sumangalam Panchmahabhoot: Conference Series on Vayu-The Vital Life Force” held at Bhubaneswar, Odisha on 2-4th December’22. Cities conferred with awards were – Lucknow (1st), Prayagraj (2nd), Varanasi (3rd) under Category 1; Moradabad (1st), Firozabad (2nd), Amravati (3rd) under Category 2 and Dewas (1st), Sunder Nagar (2nd), Nalagarh (3rd) under Category 3.

This unique initiative envisages to generate competitiveness among cities by showcasing and sharing progress achieved by the cities in the public domain, hence fosters a sense of encouragement and motivation in city authorities in enhancing their efforts.

The Swachh Vayu Survekshan shall help in enabling city authorities in comprehending their city’s progress, and achieving targeted actions towards cleaner environment.

Category-I: List of Cities- Population above 10 Lakhs

Sl.No.	City/ Town	Score		
		By City	By CPCB	Rank
1	Indore	191	187	1
2	Agra	190	186	2
3	Thane	195	185.2	3
4	Srinagar	190.6	184.6	4
5	Bhopal	187	181	5
6	Trichy	180.5	180.5	6
7	Vadodara	192	180	7
8	Ahmedabad	193	178	8
9	Delhi	183	177	9
10	Mumbai	177.8	176.3	10
11	Varanasi	194	173	11
12	Ghaziabad	190	172	12
13	Jabalpur	172	172	12
14	Surat	193	170.5	13
15	Hyderabad	173.1	170.1	14
16	Meerut	197	170	15
17	Rajkot	188.5	170	15
18	Raipur	169.5	169.5	16
19	Vijayawada	170.5	168.5	17
20	Nagpur	169	166	18
21	Dhanbad	170.1	164.1	19
22	Vishakhapatnam	163	163	20
23	Nashik	157.8	160.3	21
24	Chandigarh	174.5	158	22
25	Kanpur	185	156	23
26	Lucknow	186.2	155.7	24
27	Bangalore	171.8	154.7	25
28	Ludhiana	167.5	154.5	26
29	Patna	154	154	27
30	Allahabad	190	150	28
31	Pune	181.2	144.2	29
32	Durg Bhilai	146.9	141.9	30

33	Jaipur	150.4	140.4	31
34	Vasai Virar	159.6	140.1	32
35	Kolkata	139.8	137	33
36	Jodhpur	141.9	136.9	34
37	Asansol	136.7	135.7	35
38	Amritsar	181	127.3	36
39	Chennai	139.4	124.4	37
40	Ranchi	122.8	117.8	38
41	Kota	125.6	116.1	39
42	Aurangabad	121.6	114.6	40
43	Gwalior	171	114	41
44	Jamshedpur	154	101.5	42
45	Howrah	106.7	100.9	43
46	Madurai	98.6	82	44
47	Faridabad	147.2	AQMC not approved	

Category-II: List of cities- Population from 3 to 10 Lakhs

Sl.No.	City/ Town	Score		
		By City	By CPCB	Rank
1	Amravati	199	194	1
2	Moradabad	190.2	186.2	2
3	Guntur	181.5	185.5	3
4	Firozabad	196	183	4
5	Rajahmundry	183	183	4
6	Ujjain	189	182	5
7	Bareilly	196.5	180.5	6
8	Jhansi	193.5	176	7
9	Navi Mumbai	176.5	175.5	8
10	Sagar	188.2	170.7	9
11	Cuttack	171.2	170.7	9
12	Rourkela	180.5	170.5	10
13	Gorakhpur	196	169	11
14	Nellore	169	169	11
15	Bhubaneswar	169.95	166.7	12
16	Udaipur	160.5	165.5	13
17	Kurnool	164	162.1	14
18	Chandrapur	167	162	15
19	Patiala	159.5	162	15
20	Gaya	156.1	161.7	16
21	Durgapur	156.1	161.7	16
22	Latur	165.6	160.1	17
23	Dehradun	133.9	152	18
24	Solapur	169.5	150	19
25	Kadapa	149.8	149.8	20
26	Anantapur	139.7	144.7	21
27	Gulburga	135.4	144.2	22
28	Kolhapur	139.5	137.5	23
29	Noida	195	136	24
30	Hubli-Dharwad	156.2	135.1	25
31	Korba	181	135	26
32	Alwar	141	134	27

33	Barrackpore	137.7	133.2	28
34	Muzaffarpur	132.9	132.9	29
35	Badlapur	149.2	130.7	30
36	Ulhasnagar	167.5	129.5	31
37	Akola	132.7	129.2	32
38	Jalgaon	116.2	123.7	33
39	Devanagere	126.4	122.4	34
40	Sangli	137.1	120.1	35
41	Jalandhar	131.5	119.5	36
42	Guwahati	153.4	116.2	37
43	Jammu	124.8	102.8	38
44	Patancheruvu	Not filled		

Category-III: List of cities- Population less than 3 Lakh

Sl.No.	City/ Town	Score		
		By City	By CPCB	Rank
1.	Parwanoo	186.6	193.6	1
2.	Kala Amb	188	193	2
3.	Angul	190	187.5	3
4.	Raebareli	191	183.2	4
5.	Talcher	181.7	181.7	5
6.	Dewas	181	180	6
7.	Haldia	183	177.5	7
8.	Vizianagaram	181	176.5	8
9.	Paonta Sahib	187.5	174.5	9
10.	Naya Nangal	158.5	173.5	10
11.	Damtal	197	171.5	11
12.	Balasore	176.5	171.5	11
13.	Baddi	187.5	171.2	12
14.	Sangareddy	162.6	167.6	13
15.	Nalagarh	191.4	165	14
16.	Ongole	179	164	15
17.	Gajraula	193.5	163.5	16
18.	Kalinga Nagar	168.2	162.2	17
19.	Gobindgarh	152.1	161.6	18
20.	Nalgonda	181.3	161.3	19
21.	Eluru	159.7	159.7	20
22.	Sunder Nagar	187.5	159.1	21
23.	Chitoor	172.9	158.9	22
24.	Nalbari	173.6	158.2	23
25.	Silchar	164.1	155.5	24
26.	Sibsagar	170.5	154.8	25
27.	Kashipur	150	154.6	26
28.	Khanna	127	154.5	27
29.	Khurja	184	150.4	28
30.	Srikakulam	140.7	150.2	29
31.	Nagaon	140.7	141.5	30
32.	Rishikesh	144.5	140	31

33.	Pathankot/Dera Baba	152.2	128.1	32
34.	Anpara	173.2	126.2	33
35.	Dimapur	106	123.7	34
36.	Thoothukudi	129.2	120.7	35
37.	Jalna	122.9	113.9	36
38.	Dera Bassi	193	93.3	37
39.	Byrnihat	77.8	69.8	38
40.	Kohima	112.5	64.3	39



PRANA - Portal for Regulation of Air Pollution in Non Attainment Cities.
(MOEFC - CPCB)
City Ranking Data for Vadodara City
Financial Year: 2022_23



S.No	Component	Authorizing Agency (Signed declaration by ULB)	Maximum Marks (refer to attached guidance document)	City Score	CPCB Score	CPCB Remarks
1	% of solid waste collected against generated	Signed declaration by ULB	10	10	10	
2	% of solid waste processed against generated	Signed declaration by ULB	10	10	10	
3	% of installed capacity to process the generated waste against required to process 100% waste generated	Signed declaration by ULB	5	5	5	
4	% of legacy waste processed against existing total legacy waste	Signed declaration by ULB	5	5	5	
5	Ban imposed on burning of solid waste	Signed declaration by ULB	5	5	5	
6	% of plastic waste collected against generated	Signed declaration by ULB	5	5	5	
7	% of all types of roads maintained/ pothole free road	Signed declaration by ULB	10	10	10	
8	% of pavements made against total length of road shoulders	Signed declaration by ULB	7.5	7.5	5	56%
9	% of paved (metalled/concrete/ blacktopped) roads against total length of roads	Signed declaration by ULB	12.5	12.5	4	20.6%
10	% of area covered by greenbelt against total area/ road length to be greened including along road side and on dividers	Signed declaration by ULB	5	5	5	
11	% of road length swept including through mechanical road sweepers	Signed declaration by ULB	5	5	5	
12	% of C&D waste collected against generated	Signed declaration by ULB	2	2	2	
13	% of C&D processed against generated	Signed declaration by ULB	2	2	2	
14	% of C&D Utilised against generated	Signed declaration by ULB	2	2	2	
15	% of construction sites where the guidelines for dust mitigation were complied as per the CPCB guidelines	Signed declaration by ULB	4	4	4	
16	Adequate number of PUC testing centre	Submission of relevant signed documents from RTO	5	5	5	
17	% Of PUC testing centre integrated with centralized server	Submission of relevant signed documents from RTO	5	5	5	
18	Registered vehicles with PUC certificate	Submission of relevant signed documents from RTO	10	8	8	
19	Public transport infrastructure (per 1L population)	Submission of relevant signed documents from RTO	5	1	0	<10 buses/lac
20	No. of fuel stations inspected for fuel adulteration	Declaration by Dist Supply Office/ULB	5	5	5	
21	E-mobility- registered vehicles (e-buses, 3wheelers, 2 wheelers, 4 wheelers etc.)	Submission by RTO	5	5	5	
22	% of EV's charging station against guidelines requirement in the city. One charging infrastructure for every grid area of 3*3KM. (Total no. of EV charging station against required as per guidelines).	State Government	5	3	3	
23	% of Online Continuous Emission Monitoring System (OCEMS) installed in industries against total no. of 17 category of industries.	Signed declaration by SPCB	10	10	10	
24	% of industries complying with emission norms against total no. of industries.	Signed declaration by SPCB	20	20	20	
25	% of industries shifted to clean fuel against total no. of industries. (Clean fuel means- natural gas (PNG/LNG), LPG, Bio gas, Propane, Butane, etc.)	Signed declaration by SPCB	10	10	10	
26	% of houses covered under LPG/PNG scheme	Signed declaration by ULB	5	5	5	
27	% of brick kilns shifted to zigzag including within 10 km from sides of the ULB limits	Signed declaration by ULB	5	5	5	
28	Electricity Supply	Signed declaration by Electricity board	5	5	5	
29	Public Grievances Redressal System (PGRS) % Of air pollution related complaints resolved against registered	Signed declaration by SPCB/ULB	5	5	5	
30	Advertisements on Dos and Don'ts on social media, each on twitter, Facebook, Instagram, and also permanent display on departments websites	Signed declaration by ULB and SPCBs	1	1	1	
31	% of houses covered for Door to door campaign (segregation of waste at source etc)	Signed declaration by ULB	2	2	2	
32	% of schools covered out of all schools for awareness programmes	Signed declaration by ULB and SPCBs	2	2	2	
33	Improvement in PM 10 concentration or PM10 within the NAAQS , (Integrated value of NAMP & CAAQMS year onyear basis i.e improvement in past 1 year.* NAAQS- National Ambient Air Quality Standards for PM10 =60µg/m3	Signed declaration by ULB and SPCBs	5	5	5	
Grand Total			200	192	180	