



Maharashtra Star Rating Program

NEW FEATURE

City Rating

How clean is the air in your city



Date : 4 June 2019



Maharashtra Star Rating Program: Cities

We are working on finding new solutions to confronting the issue of air pollution. People must be aware of the air quality in their area and must have easy access to air pollution data collected by state regulators. The exemplary effort by MPCB will engage civil society

Devendra Fadnavis,
Hon. Chief Minister,
Maharashtra at the launch of the
Maharashtra Star Rating Program on
June 5, 2017 in Mumbai



Why Rate Cities

- ★ On 5 June 2017, the Maharashtra Pollution Control Board had launched the Star Rating Program, a pioneering transparency initiative where, industries are rated on the basis of their particulate matter emissions on a 5-star scale
- ★ The Rating system made pollution information easy to access and understand for the citizens of Maharashtra. Based on the success of the Program, Jharkhand and Odisha have also initiated their own Star Rating Program
- ★ A new feature has been added to the Star Rating website, where cities are rated on a 5-star scale, so that the citizens can now see both - industrial pollution performance as well as ambient air quality performance of cities
- ★ The Star Rating website now includes city rating as well as industry rating on the same platform



The City Star Rating Framework

PM10 ($\mu\text{g}/\text{m}^3$)	Category	Star Rating	Health Impact
0-50	Good	★★★★★	Minimal impact
51-100	Satisfactory	★★★★☆	Minor breathing discomfort to sensitive people. (Indian national standard for 24 hours is 100 $\mu\text{g}/\text{m}^3$)
101-250	Moderate	★★★☆☆	Breathing discomfort to the people with lungs, asthma and heart diseases
251-350	Poor	★★☆☆☆	Breathing discomfort to most people on prolonged exposure
351 +	Very Poor	★☆☆☆☆	Respiratory illness on prolonged exposure.

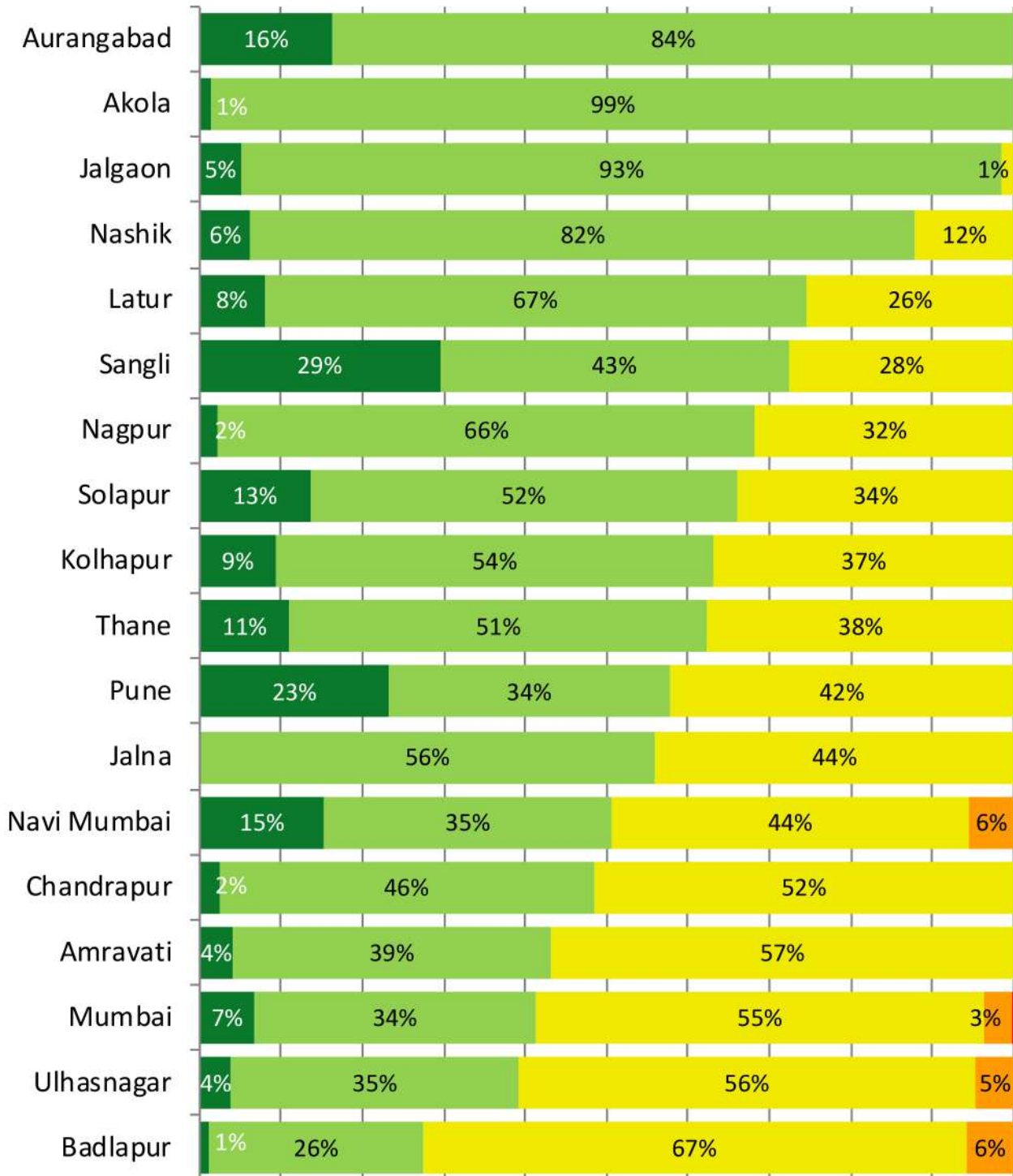
The city rating framework has been developed in accordance with the National Ambient Air Quality Standards prescribed by the Ministry of Environment, Forest and Climate Change, dated 16/11/2019

Emphasis On Particulate Matter

- ★ Prolonged exposure to particulate matter (PM10) has hazardous health implications, including acute respiratory and cardiovascular diseases.
- ★ Since the Star Rating Program is based on particulate matter emissions of the industries, the city rating page would reflect the air quality in terms of PM10 concentrations
- ★ Additionally, CPCB has identified 17 non-attainment cities in Maharashtra based on PM10 and Nitrogen Oxide (NO₂) as major pollutants. Therefore developing a city rating based on PM10 would also complement the current national ambient air quality monitoring priority



Ambient air quality by percentage of days rated between 1-5 stars in the last 12 months for each non-attainment city (April 2018 - March 2019)



The graph can be read as - 84% of the days in the last 12 months were rated as 4 stars for the city of Aurangabad. Similarly for other cities and other star ratings



Good



Satisfactory



Moderate



Poor



Very poor



Where to find air quality data

Industry Rating page

mpcb.info

City Rating page

PM10 (ugm³)	Category	Star Rating	Health Implications
0 - 50	Good	★★★★★	Minimal impact
51 - 100	Satisfactory	★★★★☆	Minor breathing discomfort to sensitive people
101 - 200	Moderate	★★★☆☆	Breathing discomfort to people with breathing and heart diseases
201 - 300	Poor	★★☆☆☆	Breathing discomfort to most people on prolonged exposure
350+	Very Poor	★☆☆☆☆	Respiratory illness on prolonged exposure. At 425+ affects healthy people and seriously impacts those with existing illness

mpcb.info/ambient-quality/

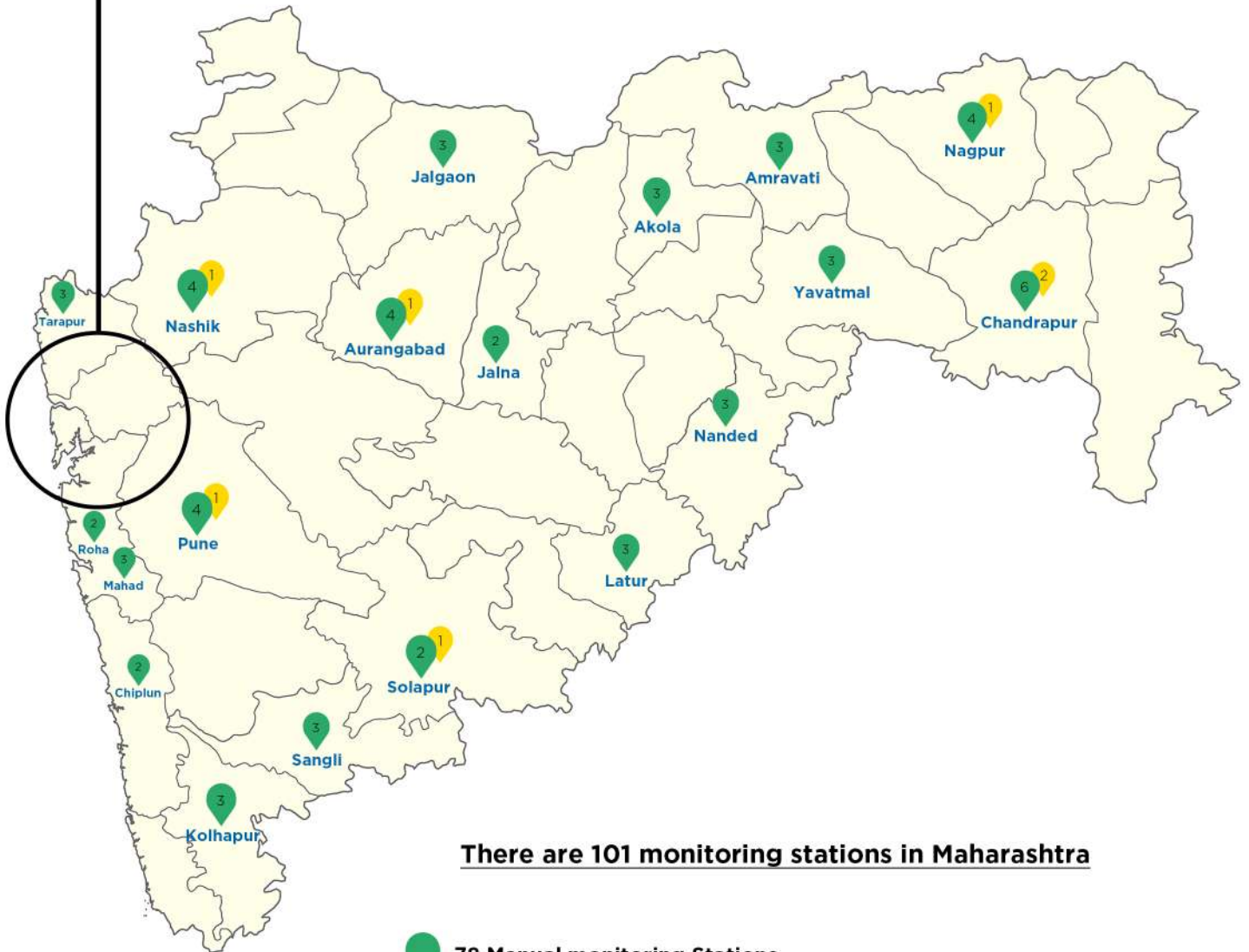
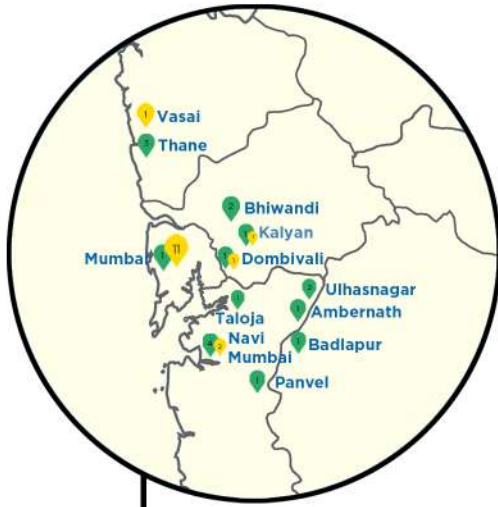
The Star Rating Website

- ★ Industry pollution performance and ambient air quality performance in your cities on the same platform
- ★ Easy to use and Interactive website
- ★ Engage in the 'Saaf Hawa Hero' forum to talk about air pollution in your city

"स्वच्छ हवा सुद्धा तुमचा अधिकार आहे"
"You have a right to clean air"



Ambient air quality monitoring network



There are 101 monitoring stations in Maharashtra



78 Manual monitoring Stations



23 Continuous Ambient Air Quality Monitoring Stations



Glimpse of the continuous ambient air quality monitoring stations in Maharashtra



Commissioner Officer premises, Nagpur



Kurla, Mumbai



Chandrapur



Mahape, Navi Mumbai



Colaba, Mumbai



Sion, Mumbai

Reach out to the MPCB office for more information, guidance and suggestions

Maharashtra Pollution Control Board,
Kalpataru Point, 3rd and 4th floor,
Opp. Cine Planet, Sion Circle,
Mumbai-400 022

The Star Rating Program On Social Media

Follow the Maharashtra Star Rating Program on our
official Facebook and Twitter pages.
Find out facts about how air pollution in your area is
affecting your future

Tag us in your posts with #mhstarrating

 @mhstarrating  @mhstarrating



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