PM based AQI

for

Graded Response Action Plan(GRAP) for Air Pollution Control in Delhi-NCR

on the direction of Hon'ble Supreme Court notified by MoEF & CC

For PM-based-AQI Click here:→   https://app.cpcbccr.com/AQI

This webpage generates the PM-based-AQI for Delhi-NCR calculated on the basis of Air Quality data generated through Ambient Air Quality Monitoring Stations operated in Delhi-National Capital Region (NCR).

This page is especially designed for assisting authorities in finding the Air Quality status based on specific parameters i.e. PM_{10} and $PM_{2.5}$ in Delhi- NCR as required by GRAP. Each Authority has been provided user controlled access to this portal to facilitate with the hourly PM-based-AQI status of Delhi-NCR and other locations falling under their jurisdiction.

This PM-based-AQI is generated on the basis of two parameters PM_{10} & $PM_{2.5}$. This AQI is available at https://app.cpcbccr.com/AQI.

Overall AQI which is generated on the basis of six parameters PM10, PM2.5, CO, SO2, NO2, & Ozone. This AQI is available at http://164.100.160.234:9000/.
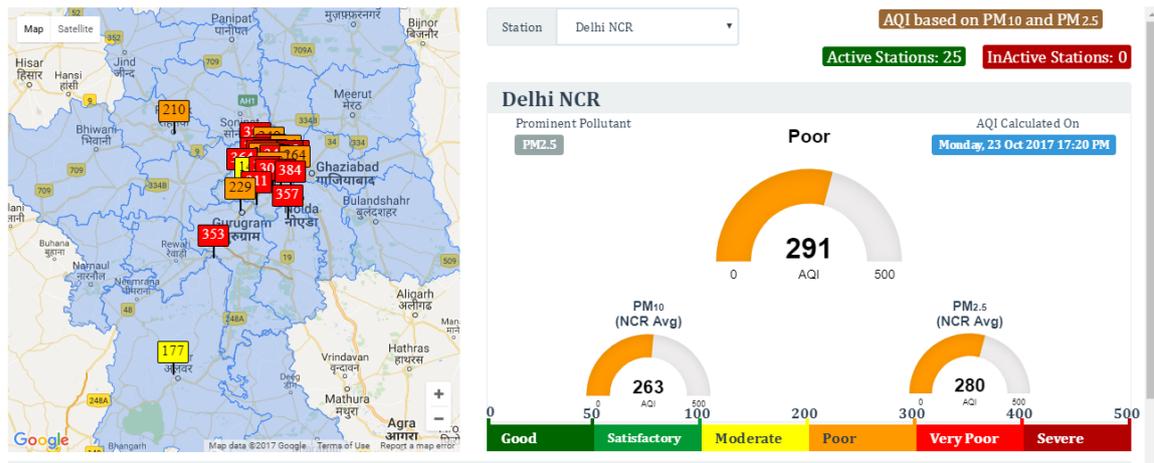
PM-based-AQI webpage displays the Air Quality status at each monitoring location, which is required for initiating action to control air pollution. The actions have to be initiated by Agencies responsible for the control of air pollution in their specific areas i.e. NDMC, North MCD etc. as per GRAP.

The page displays hourly PM-based-AQI (Air Quality Index) on real-time basis. The AQI is generated from the real time data received from Air Quality Monitoring Stations directly without any validation. However, automatic checks are incorporated to avoid any misleading values. The validation is being done subsequently.

PM-based-AQI calculation:

For calculating PM-based-AQI at a location, only PM_{10} and $PM_{2.5}$ AQI values are considered and the higher AQI-level among PM_{10} and $PM_{2.5}$ is considered as the prominent pollutant and average of higher AQI level obtained in last 24 Hours is displayed as PM-based-AQI.

PM₁₀ NCR Avg:

PM_{10} NCR Average is the average of PM10-based-AQI values from all the stations present in the Delhi NCR.

PM2.5 NCR Avg:

$PM_{2.5}$ NCR Average is the average of PM2.5-based-AQI values from all the stations present in the Delhi NCR.

Conditions applied for calculating PM-Based-AQI:

For calculating PM-based-AQI for Delhi-NCR the only condition applied is that minimum of 50% stations' data must be available on any given hour.

The PM-Based-AQI at a station is not generated, if data availability at that location is below 16 hours in the preceding 24 hours, it is displayed as Insufficient Data.

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