



## GRAP to be Enforced in Delhi-NCR

Environmental Pollution (Prevention and Control) Authority (EPCA) will implement an emergency action plan in Delhi to tackle rising air pollution.

- The emergency plan is called the Graded Response Action Plan (GRAP).
- Graded Response Action Plan (GRAP) was prepared by the Ministry of Environment, Forests & Climate Change (MoEFCC) after the order of Supreme Court of December 2016.
- GRAP includes the measures which will be taken by different government agencies to prevent worsening of Air Quality of Delhi-NCR (National Capital Region) and prevent PM10 and PM2.5 levels to go beyond 'moderate' national Air Quality Index (AQI) category.
- The EPCA is mandated to enforce the Graded Response Action Plan (GRAP) in the city as per the pollution levels.

### Types of measures under Graded Response Action Plan (GRAP):

- Measures to be taken are divided into different categories based on the Pollution level:

Category	Ambient Particulate Matter (PM) Concentration	Measures
<b>Moderate to Poor</b>	<ul style="list-style-type: none"><li>▪ PM 2.5 between 61-120 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ PM10 between 101-350 <math>\mu\text{g}/\text{m}^3</math></li></ul>	<ul style="list-style-type: none"><li>▪ Enforce pollution control in thermal power plants</li><li>▪ Mechanized sweeping on roads</li><li>▪ Ban on firecrackers</li><li>▪ Stop garbage burning</li></ul>
<b>Very Poor</b>	<ul style="list-style-type: none"><li>▪ PM2.5 between 121-250 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ PM10 between 351-430 <math>\mu\text{g}/\text{m}^3</math></li></ul>	<ul style="list-style-type: none"><li>▪ Stop use of diesel generator sets</li><li>▪ Increase bus and metro services and increasing frequency of metro service</li><li>▪ Stop use of coal/firewood in hotels and open eateries</li></ul>
<b>Severe</b>	<ul style="list-style-type: none"><li>▪ PM2.5 more than 250 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ PM10 more than 430 <math>\mu\text{g}/\text{m}^3</math></li></ul>	<ul style="list-style-type: none"><li>▪ Increase frequency of mechanized sweeping of road and sprinkling of water on roads</li><li>▪ Close brick kilns, Hot Mix plants, Stone Crushers</li><li>▪ Shut down Badarpur power plant</li><li>▪ Introduce concessional rates to encourage off-peak travel in public transport.</li></ul>
<b>Severe+ or Emergency</b>	<ul style="list-style-type: none"><li>▪ PM2.5 of or more than 300 <math>\mu\text{g}/\text{m}^3</math></li><li>▪ PM10 of or 500 <math>\mu\text{g}/\text{m}^3</math></li></ul>	<ul style="list-style-type: none"><li>▪ Stop entry of diesel trucks into Delhi (except essential commodities)</li><li>▪ Stop construction activities</li><li>▪ Introduce odd and even scheme</li></ul>

(persist for 48 hours or more)

▪ Shutting of schools

### National Air Quality Index (AQI)

- National Air Quality Index (AQI) is under the aegis of the CPCB.
- AQI has been developed to inform people about the level of eight pollutants— PM2.5, PM10, Ammonia, Lead, nitrogen oxides, sulfur dioxide, ozone, and carbon monoxide.

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