

# SAFAR-India [AHMEDABAD]

Indian Institute of Tropical Meteorology, Pune  
Ministry of Earth Sciences

## SAFAR-Air Quality Report for Diwali-2020 (Updated on 15-11-2020)

The observed AHMEDABAD data of air quality during Diwali and day after Diwali 2020 period is found to be slightly less than the forecast made with 50% of averaged firecracker emissions of past years (Diwali-2016-2018 emissions) but higher than the 0% fire cracker emissions. The AQI slipped into POOR category on 15<sup>th</sup> Nov but back to satisfactory category on 16<sup>th</sup> Nov. This tends to suggest that the additional local emissions due to probable firecrackers were minimal. Though on the Diwali Day the air quality was in the MODERATE category due to warmer weather but in the wee hours of 15<sup>th</sup> November, the air quality deteriorated due to accumulation of PM2.5 fine particles.

1. On 16<sup>th</sup> Nov, AQI is in **SATOSFACTORY** Category.
2. Post Diwali day (15<sup>th</sup> Nov) AQI in Ahmedabad is found in **POOR** Category with PM2.5 level touching 109  $\mu\text{g}/\text{m}^3$ .
3. On Diwali day (14<sup>th</sup> Nov) AQI was in **MODERATE** Category with PM2.5 level at 72  $\mu\text{g}/\text{m}^3$ .
4. **PEAK** (Hot) spot hours:  
Late night 220 hrs of 14<sup>th</sup> Nov to early 0400hrs of 15<sup>th</sup> Nov.
5. This year's Diwali time **AQI** was best on post Diwali day in past 3 years if 2019

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SAFAR-AQI Forecast-Ahmedabad					
Date	Observed			Forecasted	
	14 <sup>th</sup> Nov.	15 <sup>th</sup> Nov.	16 <sup>th</sup> Nov.	17 <sup>th</sup> Nov.	18 <sup>th</sup> Nov.
CONCENTRATION PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	72	108	58	59	62
AIR QUALITY INDEX (AQI)	138	260	97	98	104

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