

# SAFAR-India [AHMEDABAD]

Indian Institute of Tropical Meteorology, Pune  
Ministry of Earth Sciences

## Air Quality Forecast for Diwali-2023

The Air Quality Forecast for the Diwali-2023 period for Ahmedabad is issued based on the indigenously developed SAFAR-Air Quality Forecasting Framework. Forecast is based on the model scenario:

- (1) Additional 50 % Firecracker emissions on Diwali Day

### Highlights:

- (1) With a 50% additional firecracker emission, SAFAR predicts that AQI will reach the lower end of very Poor on 12<sup>th</sup> Nov.
- (2) Likely Hot spot hours: Early morning hours of 13<sup>th</sup> Nov (0100 hr to 0600 hr) which is 12<sup>th</sup> Nov late night.

Date	SAFAR-AQI Forecast-Pune		
	11 <sup>th</sup> Nov	12 <sup>th</sup> Nov	13 <sup>th</sup> Nov
CONCENTRATION PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	86	129	94
AIR QUALITY INDEX (AQI)	186	307	211

# AIR QUALITY - AHMEDABAD

