

SAFAR-India [PUNE]

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 PUNE 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 upper end of Moderate on 12th Nov.
- (2) Likely Hot spot hours: Early morning hours of 13th Nov (0100 hr to 0600 hr) which is 12th Nov late night.

Date	SAFAR-AQI Forecast-Pune		
	11 th Nov	12 th Nov	13 th Nov
CONCENTRATION PM _{2.5} ($\mu\text{g}/\text{m}^3$)	46	88	72
AIR QUALITY INDEX (AQI)	76	193	138

AIR QUALITY - PUNE

