

SAFAR-India (MUMBAI)

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 MUMBAI 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 POOR on 12th Nov.
- (2) On 13th, the next day of Diwali, AQI is likely to be upper end of MODERATE.

SAFAR-AQI Forecast-MUMBAI							
Date	7 th NOV	8 th NOV	9 th NOV	10 th NOV	11 th NOV	12 th NOV	13 th NOV
PM 2.5 concentration($\mu\text{g}/\text{m}^3$)	73.49	52.23	48.6	38.41	60	110	87
AIR QUALITY INDEX (AQI)	145	87	81	64	100	267	190

