

SAFAR-India [PUNE]

Indian Institute of Tropical Meteorology, Pune
Ministry of Earth Sciences

Air Quality Forecast for Diwali-2022

SAFE LIMIT DIWALI-2022

The Air Quality Forecast for the Diwali-2022 period for PUNE is issued based on the indigenously developed SAFAR-Air Quality Forecasting Framework. The forecast is based on the model scenario:

- (1) Same as Last year's Diwali emissions
- (2) Double last year Diwali emissions

Highlights:

- (1) With Diwali falling in October this year and the monsoon just withdrawing from Pune, with firecracker emissions the same as last year, SAFAR predicts that AQI will reach the upper end of Satisfactory or lower end of Moderate on 24th Oct.
- (2) Due to dry conditions predicted for Diwali day in Pune and no rain, the AQI, which has been in a good category in the past several days, will reach mostly Satisfactory category.
- (3) Even in the case of double the last year's emissions of Diwali, with the probability of rain as nil, it may touch to MODERATE on 25th Oct and likely Hot spot hours forecasted as: 25th Oct (0100 hr to 0600 hr).
- (4) MOST POLLUTED AREA in Pune: Shivajinagar and Kothrud.

Date	SAFAR-AQI Forecast-Pune			
	22 nd Oct	23 rd Oct	24 th Oct	25 th
CONCENTRATION PM _{2.5} ($\mu\text{g}/\text{m}^3$)	27	44	57	67
AIR QUALITY INDEX (AQI)	46	72	95	122

AIR QUALITY - PUNE

