

The background features a stylized illustration of industrial pollution. On the left, two smokestacks emit thick, dark grey smoke that rises into the air. Below them are two simplified building outlines. On the right, another set of smokestacks and buildings is shown, with smoke rising from them. The sky is a light beige color, and the ground is represented by wavy, light brown lines. A large, semi-circular shape with diagonal hatching is positioned at the top center, resembling a sun or a moon.

DATA ANALYSIS FOR >INDIA'S POLLUTION<

Be the solution to run off
the pollution
-@sahitya

DISCLAIMER

- ❖ All the values in any harmful gases and particles in PPM [Parts Per Millions]
- ❖ All of data driven decisions, facts, Analysis, Observations, based on this data set.
- ❖ This data is a historical data contains some error values and approx values.
- ❖ This data from multiple sources like Indian metrological departments and PCBs, etc.
- ❖ This data analysis not used for any profitable organizations just a public views as India's pollution 1990 to 2015.
- ❖ Future predictions and forecasting not accurate.

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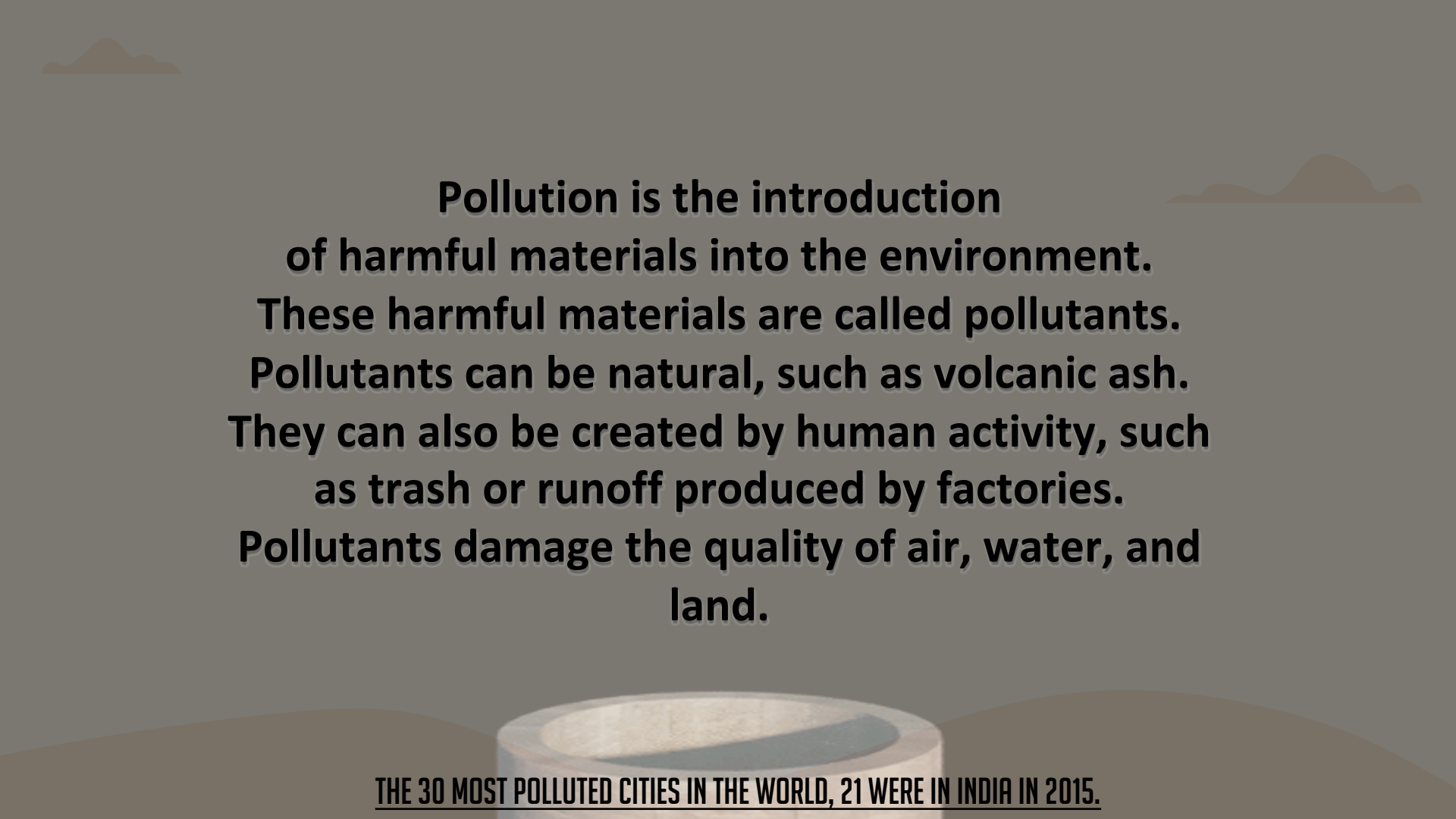
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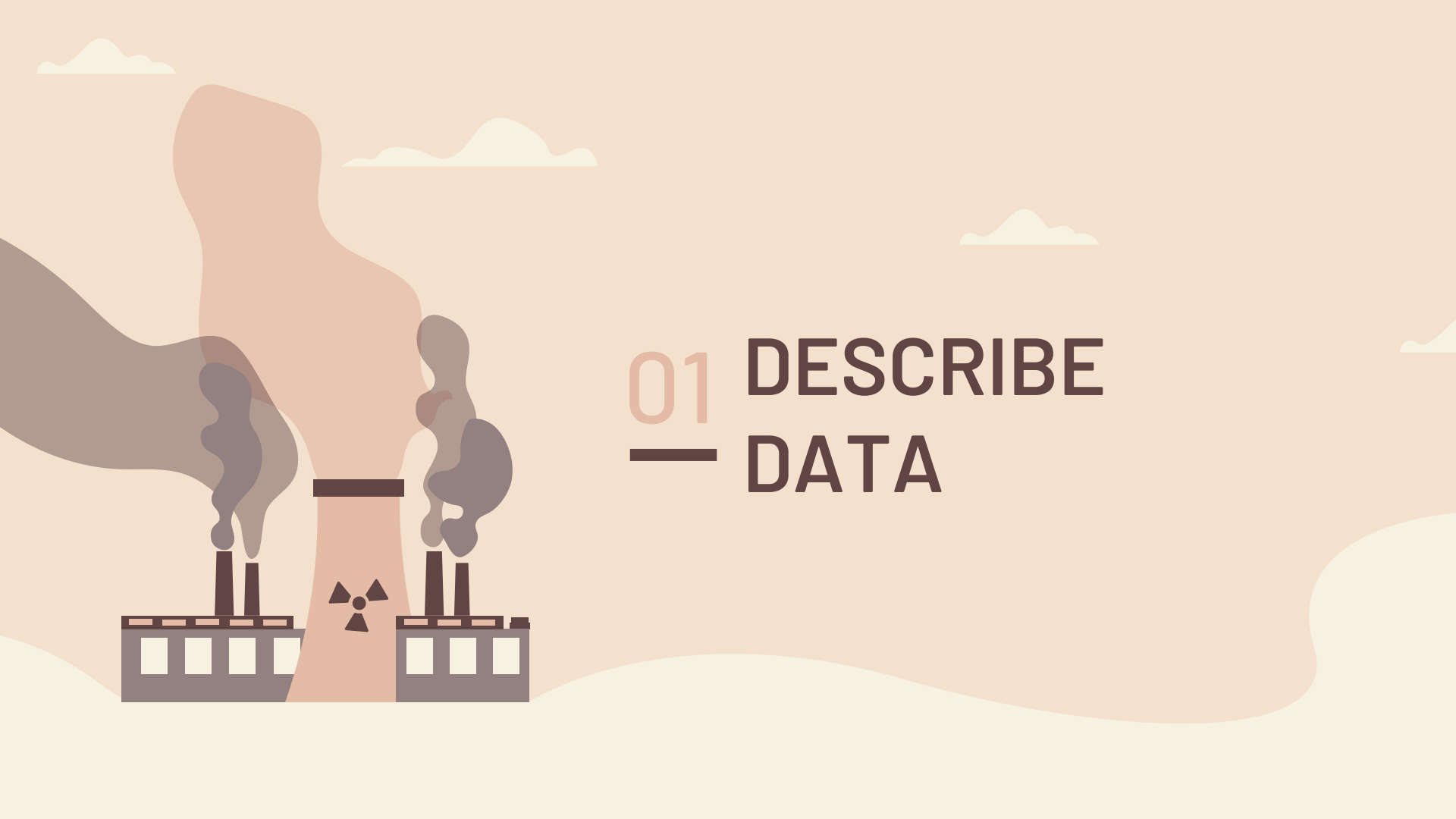
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KPI OVERVIEW

The background features a stylized landscape with rolling hills in shades of brown and tan. In the center foreground, there is a circular, light-colored structure that resembles a well or a small pond. The overall tone is muted and earthy.

**Pollution is the introduction
of harmful materials into the environment.
These harmful materials are called pollutants.
Pollutants can be natural, such as volcanic ash.
They can also be created by human activity, such
as trash or runoff produced by factories.
Pollutants damage the quality of air, water, and
land.**

THE 30 MOST POLLUTED CITIES IN THE WORLD, 21 WERE IN INDIA IN 2015.



01 DESCRIBE — DATA

In this dataset contain nearly 4,35,743 rows and 13 column

stn_code	sampling_date	state	location	agency	type	so2	no2	rspm	spm	location_monitoring_station	pm2_5	date
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*According to the WHO, India has 14 out of the 15 most polluted cities in the world in terms of PM 2.5 concentrations. Other Indian cities that registered very high levels of PM2.

WHERE WE STAND IN GLOBE



An average PM2.5 concentration of 76.9 micrograms per cubic meter of air ($\mu\text{g}/\text{m}^3$) in 2015



OUR HISTORY

- For the first time in Indian history, major air pollutant concentrations have dropped

2000

The central government declared a “war on pollution” and announced the National Clean Air Programme (NCAP)

2015



1990

- Reforms were introduced for The Air (Prevention and Control of Pollution)

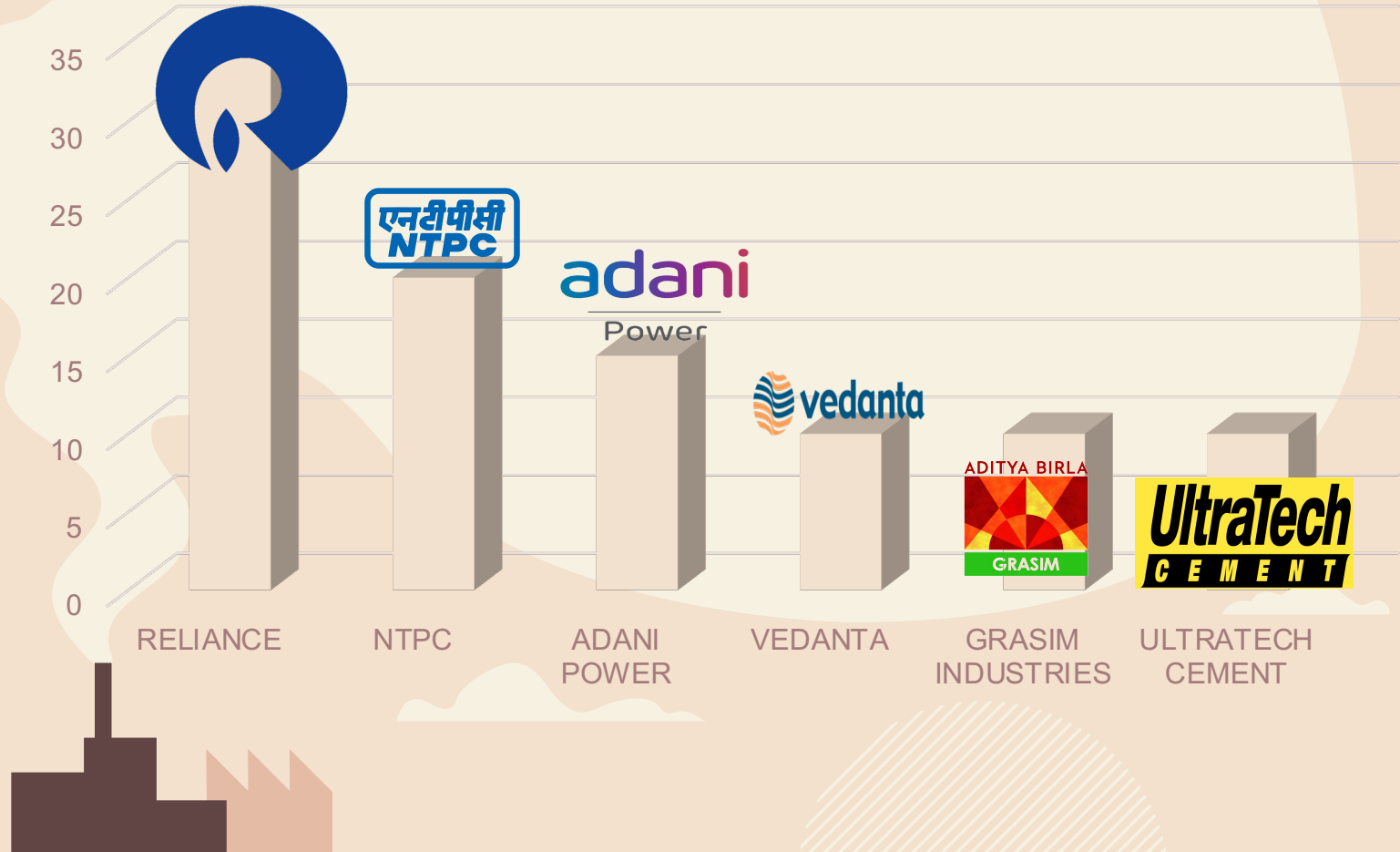


2010

- Satellite data confirms India's forest coverage



TOP EMITTERS OF INDIA





Reliance
Industries Limited

WE ARE NOW ON
GLOBAL MAP



Reliance generated about 45 million tons of carbon dioxide emissions from its own operations

*The world's biggest oil refining complex, owned by **Reliance Industries** in Jamnagar, India*

GUIDING PRINCIPLES

MISSION



National Clean Air Program (NCAP), with the objective to reduce pollution levels by 20-30%



VISION

Committed to achieve 500 GW renewable energy capacity by 2030.



30,79,00,00,000

Budget 2023: Environment ministry allocated for FY24

INDUSTRY: EFFECTS

An illustration depicting the environmental impact of industry. On the left, a factory with two smokestacks emits thick, dark smoke. A line connects one of the smokestacks to the 'DELHI' data point. In the center, a dark, swirling mass of smoke or pollution contains a radiation symbol and a skull-and-crossbones, with a line connecting it to the 'UTTAR PRADESH' data point. Below this, a body of water is shown with several dead fish floating on the surface. On the right, a line connects a point in the water to the 'MAHARASHTRA' data point. The background is a light beige color with stylized hills.

DELHI

- 153 micrograms per cubic metre of PM 2.5

UTTAR PRADESH

- 138 micrograms per cubic metre of PM 2.5

MAHARASHTRA

- 105 micrograms per cubic metre of PM 2.5

HEALTH ISSUES BY POLLUTION

EFFECTS

Headache

Inflammation

Coughing

Irritation

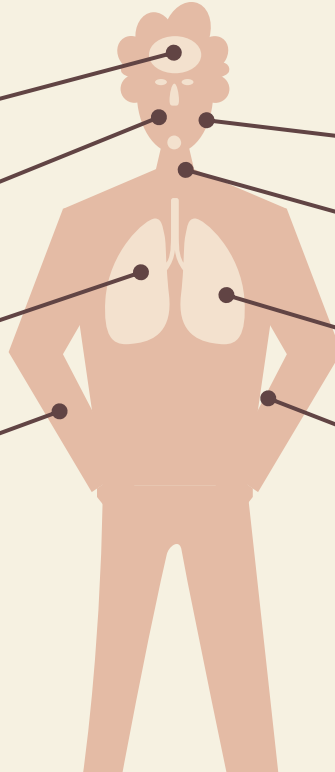
PRE CAUTIONS

Use face mask

Hand hygiene

Do exercise

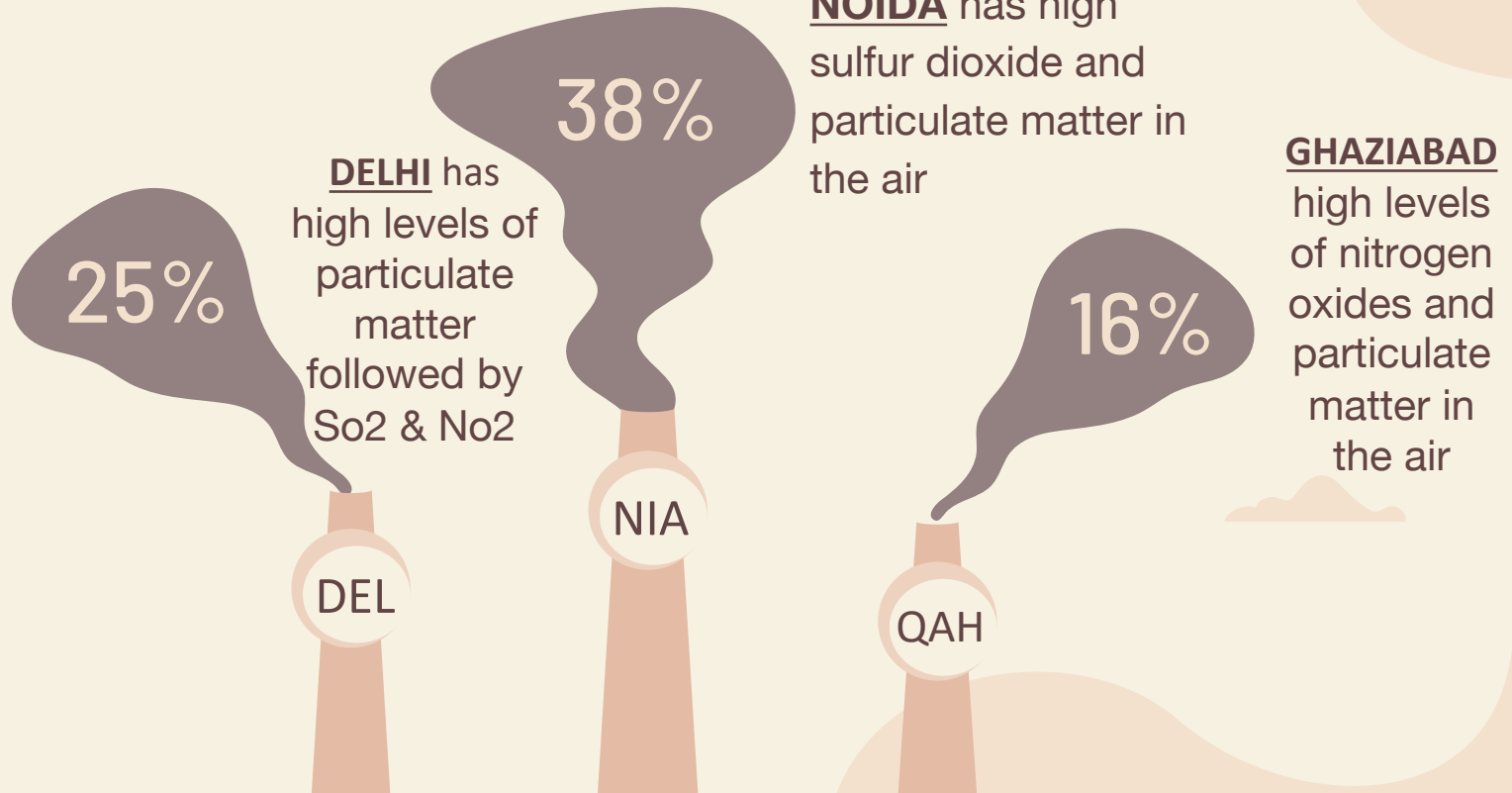
Check AQI daily



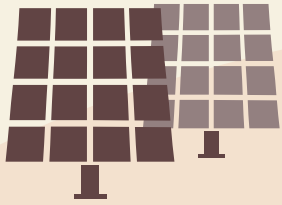
MOST POLLUTED CITIES OF INDIA



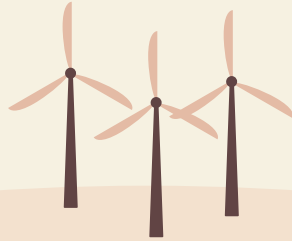
AQI



HOW TO REDUCE POLLUTION



SOLAR POWER



WIND POWER



NATURAL GAS

● India saw the highest year on year growth in renewable energy additions of 9.83% in 2022. The installed solar energy capacity has increased by 24.4 times in the last 9 years and stands at **63.3 GW as of Feb 2023**.

KPI OVERVIEW

| 06 |



THANKS

**Kindly
celebrate
every festival
eco-friendly**

