

# Contents

## High points 09

Key messages and insights

## STATE OF DEVELOPMENT 11

### Sustainable development goals 12

India faces major challenges in nine goals including zero hunger, good health & well-being

### State of states 14

Poor crop insurance, RE generation, soil quality and health expenditure plague many states

## STATE OF CLIMATE 29

### Rising mercury 30

In 2023, India recorded its hottest minimum temperature in 122 years

## STATE OF EXTREME WEATHER 35

### Weather disasters 36

India experienced extreme weather events on 318 of the 365 days in 2023

### Extremes of 2024 38

In the first three months of 2024, 12 states/UTs recorded their highest number of days with extreme weather events in the past 3 years

## STATE OF GHG EMISSIONS 41

### Greenhouse gases inventory 42

India's GHG emissions soared by 158% in 2019 compared to 1994

## STATE OF HEALTH 49

### Causes of mortality 50

Non-communicable diseases caused 55% of deaths in India in 2021

## 54 Risk factors causing mortality

Air pollution, blood pressure, dietary risks are primary risk factors contributing to fatal diseases in India

## 57 Deaths due to enteric diseases

India accounts for almost 50% of world's deaths from typhoid, paratyphoid fever

## 61 STATE OF ENERGY

### 62 How states source energy

Thermal power accounts for 61% of the installed capacity allocated to states/UTs

### 64 Dirty still

Just 16% of the 606 thermal plant units adhere to SO<sub>2</sub> emission standards

### 66 Bio-CNG

India has only 90 plants operational with 541 more in the pipeline

### 67 Energy efficiency

6 states/UTs improved their Energy Efficiency Index score in industry sector from 2021-22 to 2022-23

## 77 STATE OF AIR POLLUTION

### 78 Breathing bad

Last winter, North and East India were the most polluted regions, while South India was the cleanest

## 83 STATE OF CITIES

### 84 Heating up of urban areas

Vegetation, crucial for cooling cities, declined sharply in nine cities analysed between 1999 and 2021

## **STATE OF TRANSPORT 89**

### **Performance of state bus transport 90**

One out of every four buses operated by the 56 state road transport undertakings is over-aged and needs to be retired

### **Electric vehicles 96**

Two- and three-wheelers account for 94% of the EVs registered in 2023-24

## **STATE OF WASTE 101**

### **Municipal solid waste 102**

21% of India's municipal solid waste remains unprocessed every day

### **Legacy waste 104**

The number of dumpsites with legacy waste increased in at least 16 states/UTs between 2023 and 2024

### **Illegal plastic use 107**

A low redressal rate mars India's mobile application to report illegal plastic use

## **STATE OF MIGRATION & DISPLACEMENT 111**

### **Internal displacement 112**

Disasters caused close to 90% of the new internal displacements in India in 2023

## **STATE OF BIODIVERSITY 119**

### **Forestland diversion 120**

In 2022-23, India saw a 3.5% increase in forestland diversions, over 2021-22

### **Forest fire 122**

Himachal Pradesh, Uttarakhand reported significant jump in forest fires between 2022-23 and 2023-24

### **124 Human-animal conflicts**

Human deaths due to elephant attacks rose by 11% in 2022-23, compared to 2021-22

### **127 Leopard population**

Over half of the leopard population in 2022 was outside tiger reserves

### **129 Environmental crimes**

At its current rate, Indian courts will need 14 years and 6 months to clear all the cases registered under the Wildlife Protection Act

## **133 STATE OF AGRICULTURE**

### **134 Organic cultivation**

Despite doubling the certified area in the past three years, India's organic agricultural production dropped by 14.88%

### **137 Farmer suicides**

In 2022, an average of over 30 farmers and farm labourers committed suicide every day

### **139 Farmers' unrest**

India recorded 195 major farmer protests across 22 states since 2023

## **143 STATE OF WATER**

### **144 Groundwater availability**

17 states/UTs have locations where groundwater is being extracted at a rate faster than recharge

### **146 Micro irrigation schemes**

India saw a 6.5% rise in micro irrigation schemes from 2013-14 to 2017-18, but their total irrigation potential declined by nearly 1%

## **163 STATE OF EMPLOYMENT**

### **164 Quality of jobs**

While there has been employment generation in India, serious concerns remain over the lack of quality and productive jobs

### **167 Youth and employment**

In 2022, young people made up 82.9% of the unemployed population