

## **Environmental Performance Index, 2018**

### **What is the issue?**

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- India ranks 177 among 180 countries in the Environmental Performance Index 2018.

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- A drop in the index from previous year calls for a relook at the country's environmental policy.

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### **What is the Environmental Performance Index?**

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- EPI is a biennial report by Yale and Columbia Universities along with the World Economic Forum.

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- The report ranks 180 countries on 24 performance indicators.

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- It is spread across 10 categories covering environmental health and ecosystem vitality.

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- Switzerland leads the world in sustainability, followed by France, Denmark, Malta and Sweden in the recent EPI.

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### **What is India's status?**

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- India is among the bottom 5 countries on the index, at 177th place.

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- This is a drop of 36 points from 141 in 2016.

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- Emerging peer economies, Brazil and China, ranks 69 and 120, respectively.  
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- In the environmental health category, India is at the bottom of the list.  
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- And in terms of air quality it is placed third last.  
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- The overall drop is attributed to poor performance in the environment health policy and high pollution related deaths.  
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- Pollution from solid fuels, coal and crop residue burning, and emissions from motor vehicles are the major causes.  
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- Population growth, industrial production and automotive transportation continue to increasingly degrade the air quality.  
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### **Why is environmental degradation a serious concern?**

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- Environmental degradation is beyond being seen as just a cost of development.  
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- **Health** - The report highlights air quality as the leading environmental threat to public health.  
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- In India, deaths attributed to ultra-fine PM2.5 pollutants have largely risen over the past decade.  
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- Air pollution is causing an estimated 1.4 million premature deaths in India.  
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- **Economy** - The above rate translates to a welfare loss equivalent to around 8% of India's GDP in 2013.  
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- In addition, the cost of lost labour productivity was nearly 0.8% of GDP.  
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- Even these estimates do not reflect a true picture of the impact.  
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- This is because the lack of scientific understanding of several other key ecological impacts limits the impact assessment.  
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- Sadly, the poor are affected disproportionately because of environmental degradation.

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## **What are the measures in this regard?**

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- The government has set some ambitious targets for environmental protection in the recent years.

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- It includes:

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- i. strict environmental standards for coal-fired power plants
- ii. target to implement Bharat Stage VI emission norms from April 1, 2020
- iii. efforts to produce and sell electric vehicles in the country by 2030
- iv. revision of National Solar Mission, accelerating transition to renewable sources of power
- v. accordingly, revising the target for setting up solar capacity from 20 GW to 100 GW by 2021-22
- vi. assurance to clean up highly polluted Ganga by 2018

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## **What are the shortfalls?**

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- Unfortunately, there appears to be a big gap between policy goals and action.
- India seems to be moving in the right direction on solar targets.
- However, balancing it with other goals is seriously lacking.
- Evidently, the promise of implementing strict power plant emission norms by December 2017 has been relaxed.

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- Annual electronic waste collection target for electronics manufacturers was set at 30% of the products sold in the market.
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- However, this has now been relaxed to 10%.
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- The automobile industry has stated that full conversion to electric vehicles was realistically possible only by 2047.
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- This is in contrast to the government's targets.
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- CAG, in a recent report, highlighted the lag in developing an action plan and poor fund utilisation in the clean-up of the Ganga.
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### **What should be done?**

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- The environmental costs of development should be duly recognised in addressing environmental problems.
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- Transition to renewables, especially solar energy, should be accelerated by offering subsidies.
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- On the other hand, the more polluting fuels should be priced higher.
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- Strict environmental standards for coal plants should be put in place.
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- Similarly, the transition to electric vehicle use should be aided by higher pricing of petrol and diesel.
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- Existing environmental laws and regulations should be implemented properly with more political will.
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- The country's poor environmental performance calls for taking forward the environmental targets more seriously.
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**Source: The Hindu**

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