



Tyre Pyrolysis

Why in News

The [Central Pollution Control Board \(CPCB\)](#) has ordered the closure of about 270 **tyre pyrolysis units** in 19 States for flouting environmental norms and causing a high level of pollution.

- **Tyre pyrolysis** refers to a technique of **breaking down used tyres in the absence of oxygen**. Shredded tyres, at temperatures between **250°C and 500°C**, produce **liquid oil and gases**.
 - In addition to the domestic tyres waste (6% of global tyre waste), India also receives used tyres from Australia and the U.K., which are sent for recycling and disposal.
- It was considered a safer technique than burning tyres but pyrolysis leaves **fine carbon matter, pyro-gas, oil as residue**. Also, the inadequate management of these by-products poses health risks.
 - Tyre pyrolysis technology is **polluting and harmful to the health** of workers employed.
 - The [National Green Tribunal](#) in 2014 **prohibited** used tyres from being burnt in the open or being used as fuel in brick kilns, because of the toxic emissions.

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