



Anmol Khandelwal, Executive Director

lia's Air Pollution Crisis: Are Diesel nerators the Missing Piece of the Puzzle?

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collution isn't just a smoggy skyline or a health advisory ning on your phone—it's a crisis that is silently stealing from a's progress. While we celebrate our strides in GDP growth, ollution costs India a staggering \$150 billion annually in th impacts, lost productivity, and environmental damage. ong the culprits lurking in plain sight are diesel generators s)—the power backups we rely on during outages but often re when it comes to their pollution impact.

m residential complexes to shopping malls, DG sets are ywhere, providing power when the grid fails.

did you know that these machines are a major contributor M2.5 pollution, which worsens respiratory diseases, Ices life expectancy, and inflates healthcare costs? ording to studies, 13 out of the world's 20 most polluted s are in India, and diesel generator emissions are a key ributor.

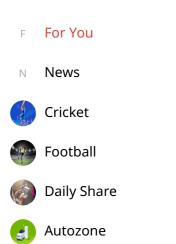
elhi NCR alone, where AQI often plunges into hazardous Is during the winter, DG sets are outright banned during GRAP (Graded Response Action Plan) period unless they're



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usands of non-compliant generators continue to operate,

ping toxic air into our lungs.

' It's Time to Retrofit DGs

Central Pollution Control Board (CPCB) has laid down clear

s for diesel generators:

sets in CPCB I and CPCB II (above 19 kW) categories must be ofitted with type-approved RECDs to meet emission norms. ners must ensure that their RECD is CPCB-certified and alled by authorized providers.

ing GRAP periods, non-compliant DG sets cannot operate in ii NCR and other notified areas.

er the National Clean Air Programme (NCAP), several

es, including Haryana, Uttar Pradesh, Rajasthan, and

jab, have been notified to enforce stricter controls on DG

ssions. But the responsibility doesn't just lie with regulators

s also on businesses, housing societies, and individual users

nsure compliance.

it Can We Do as Citizens?

ck Before You Buy: Whether you're purchasing an RECD or ng someone to retrofit your DG, always ensure it's CPCBified.

Ik Long-Term: While retrofitting might seem like an ense, it's a small price to pay compared to the health and nomic costs of air pollution. Chakr Innovation also offers ual Maintenance Contracts (AMCs) for hassle-free rations.

ose Sustainable Brands: Trusted companies like Chakr vvation offer easy, plug-and-play solutions like the Chakr ld, India's first type-approved RECD. Compact and costctive, it retrofits DGs without the need for bulky astructure.

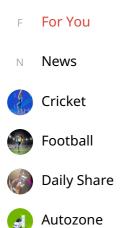
nomic Losses: Air Pollution's Hidden Price Tag a's air pollution crisis doesn't just harm public health—it's a ere drain on our economy. According to a World Bank ort, the country loses \$55 billion annually in lost labor out and an additional \$95 billion in health-related costs due iseases caused by poor air quality.

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ni NCR: A Model to Follow: Delhi NCR's bold measures, uding DG bans during GRAP periods and mandatory ofitting policies, have set an example for other cities. But e not there yet. This winter, Delhi's AQI hovered in the 'very r' to 'severe' category, leading to school closures and health nings. Cities across India must learn from Delhi's policies act now before their air quality hits similar levels. Air We Breathe: A Call to Action: Air pollution isn't just an ronmental issue—it's an economic and humanitarian crisis. e don't act now, India risks losing both its economic edge the health of its citizens.

what can you do? If you own a diesel generator, don't wait the next ban notice. Retrofit it with a certified RECD like the kr Shield. Not only will you comply with government norms, you'll also play a part in making our air cleaner.

ether, we can demand stricter enforcement of laws, hold nesses accountable, and push for sustainable practices. ause every step counts when it comes to protecting our air nd our future.

10r -Anmol Khandelwal- A clean Air Ambassador

ignation: Executive director

pany Name: Chakr Innovation

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