"A Clean Air 2030 Vision for India" Transition to a Green Economy

Air Quality Asia India Strategy Session 2021 September 17, 2021 6-8:30 PM IST

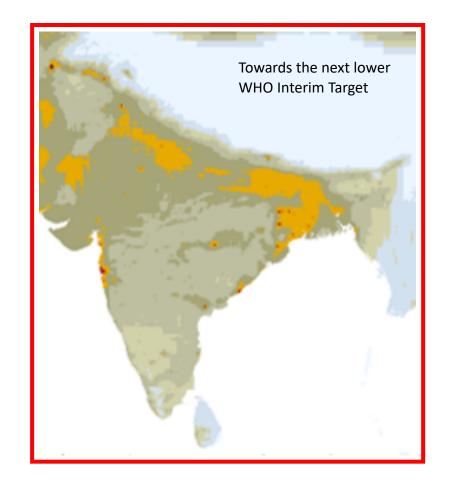


Towards a Clean Air 2030 Vision for India

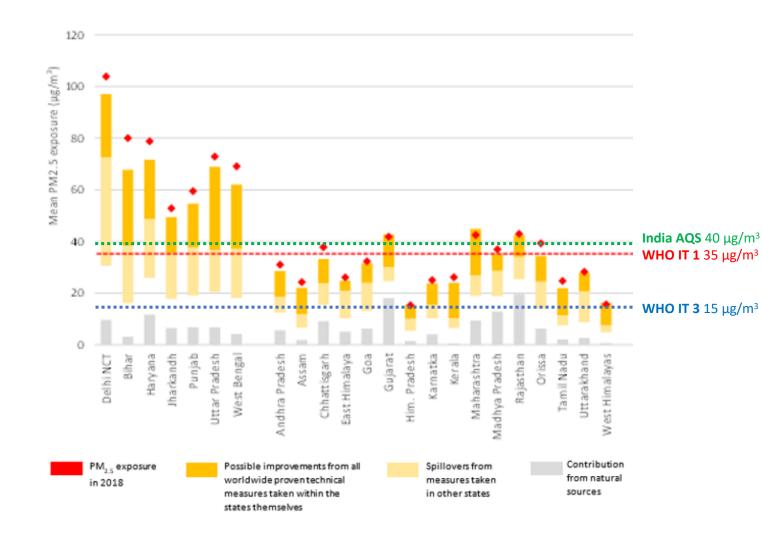
Determining a cost-effective path to substantively improve air quality.

Year 2018 Year 2030 Compliance with India & WHO IT 2 everywhere in India. 2030 with the measures decided in 2015-2018

Year 2030 with new AQM policies (towards a greener economy) :

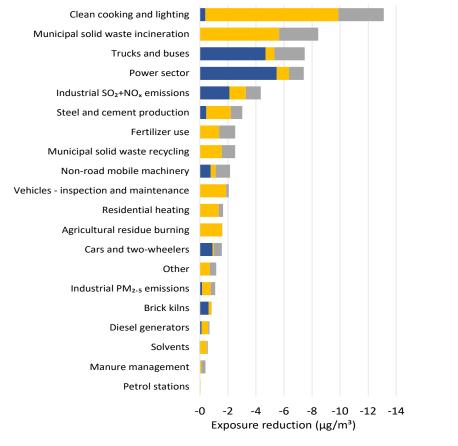


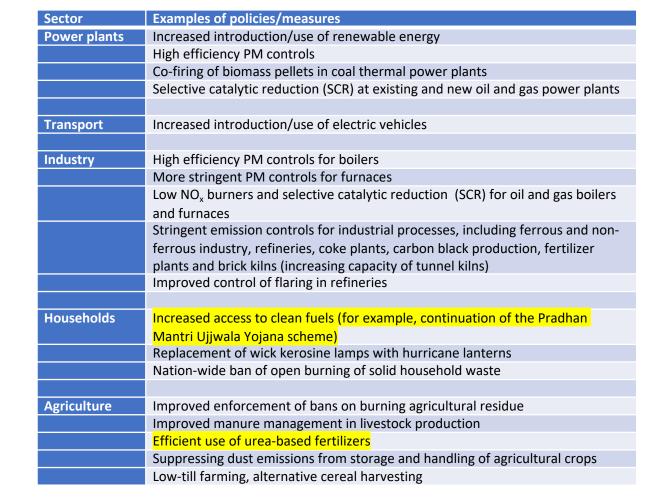
States strongly dependent upon each other for substantive air quality improvements by 2030



- States with highest air pollution concentrations (e.g. Delhi, Haryana) heavily dependent upon interstate coordination to reach India's AQS & WHO IT 1.
- Almost all other states (both w/o Indo-Gangetic Plain) largely dependent on inter-state coordination to harvest "positive spillovers" and achieve further air quality improvements.
- Requires both federal coordination and direct coordination between the states.

Cost-effective measurers in the Indo-Gangetic Plain towards achieving a clean air vision and greener economy by 2030





■ 2018 legislation ■ Further cost-effective measures ■ Other measures

Some suggested actions to move priority measures over the next 10 years

- Mobilize *finance at scale*, including *innovative finance* such as performance-based incentives and rewards (e.g. expansion of the 15th Finance Commission scheme beyond million + cities), to ensure sufficient financial resources for AQM both in air quality targeted programmes and programmes with air quality benefits (both urban and rural areas).
- Develop and apply *economic policies and restructuring* in addition to environmental policies.
- Apply cost-effective measures in the development and implementation AQM programmes to ensure optimal use of scarce economic resources.
- Develop nationwide and cross-border regional AQM collaboration and apply airshed management to facilitate the suggested environmental, economic and financial actions.

Examples of economic considerations of most critical air quality source sectors :

- Primary Particulate Matter management: Household sectors.
- Secondary Particulate Matter management: Urea Fertilizer management