

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION No. 2767
TO BE ANSWERED ON 07.08.2023

Technologies to address Air Pollution

2767. SHRI ABDUL KHALEQUE:
SHRI HASNAIN MASOODI:
SHRI LAVU SRI KRISHNA DEVARAYALU:
SHRI JAGANNATH SARKAR:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the Government is exploring the potential of BRMAPS to capture particulate matter in the highly polluted cities;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government has taken any steps to explore and leverage the potential of other frontier technologies to address air pollution issues; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

(SHRI ASHWINI KUMAR CHOUBEY)

(a), (b), (c) & (d):

A pilot study was awarded wherein 30 buses were fitted with Pariyayantra Filtration units on bus roof top for dust collection from the environment in Delhi-NCR.

Several projects were undertaken to incorporate new technologies to address air pollution. Details are enclosed at Annexure-I.

Details of studies undertaken for incorporation of new technologies to address air pollution

- (i) Under pilot study of WAYU, 54 Air Purification Units were installed at traffic intersection in Delhi.
- (ii) Pilot study on ‘Control of Dust emissions using Dust Suppressant’
- (iii) Pilot study on ‘Ionisation technology for reduction in ambient air pollution’
- (iv) 2 Smog towers as medium/large-scale air purifiers to reduce particulate air pollution were installed.
- (v) Pilot project on ‘Emission measurement for in-use diesel generator sets (DG sets) and evaluating the potential of retrofitting exhaust after treatment solutions for emissions reductions.
- (vi) Pilot Project on ‘Retrofitting emission control devices in identified classes of in-use vehicles and recommendations for emission reduction from old/in-use vehicles (BS III)’
- (vii) R&D project of DST for development of indigenous photonic system for real time remote monitoring of air quality parameters.
- (viii) DST National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS), Technology Innovation Hub on Autonomous Navigation Foundation on ‘development of Electric Vehicle (EV) based autonomous vehicles’. Autonomous technology of EVs has potential to reduce greenhouse gas emissions by optimizing driving patterns and reducing traffic congestion.
