**Name of the Technology:** PM$_{2.5}$ Sampler

**Summary:** A high volume PM$_{2.5}$ impactor sampler is developed. This impactor can segregate particulate matter > 2.5 micron size and facilitate to collect ≤ 2.5 micron size particles suspended in ambient air on filter size (8 × 10) inch. The imapactor is designed for sampling air with a high flow rate (1.13 m$^3$/min, i.e. 40 CFM). Also, the design of this impactor is made such as a retrofit on the filter holder of conventional high-volume total suspended particulate matter (TSPM) sampler to make it high-volume PM$_{2.5}$ sampler.

**Applications:** Sampler for air monitoring (as per NAAQS)

**Advantages:** Indigenous, first in India. Impactor based sampler. Better cutoff size of PM$_{2.5}$ particles

**Choose the Readiness level of the Technology:**

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**Related Patents:** NIL, **Year of Introduction:** 2016

**Broad Area/Category:** Environmental Engineering

**User Industries:** Manufacturer of air monitoring equipment.

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