

Technology Transfer of “Portable High Volume Air Sampler”

Portable high volume air sampler is a light-weight device, made of Fiber Reinforced Plastic (FRP) and has an inbuilt embedded controller to start, stop, log and to calculate the total volume of air sampled. This is employed to collect airborne particulates in a filter paper medium at desired flow rates up to 2800 lpm. The import-substitute technology has been developed at SQRMG, IGCAR as part of the ‘Atma Nirbhar Bharat’ mission of Government of India and devices have already been deployed for in-house air quality monitoring. The device finds applications in pollution control boards for collection of suspended particulate matter in monitoring environmental pollution and in industries discharging particulate effluents for the purpose of monitoring. This is used in nuclear installations for the collection of air samples to estimate air-borne radioactivity levels.

This technology was transferred to M/s First Source Impex Pvt. Ltd., Bengaluru on 25.August.2021 at a brief event coordinated by Incubation Centre-IGCAR. The meeting was attended by Dr. B. Venkatraman, Director SQRMG (IGCAR), Dr. N. Subramanian, Head, Incubation Centre-IGCAR, Dr. C. V. Srinivas, Head, EAD, SQRMG, Dr. V. Subramanian, Head, ATBS, RESD, SQRMG, Dr. S. Chandrasekaran, Head, EnAS, EAD, SQRMG, Dr. M. Menaka, Head, RAMS, RESD, SQRMG, Shri R. Rajesh Kumar (Director, First Source Impex Pvt Ltd., Bengaluru) and Shri B. Balakrishnan (First Source Impex Pvt Ltd., Bengaluru).

