

Low Cost Sanitizer Tunnel developed by C.G. Council of Science and Technology (CCOST)



In present Covid - 19 times, India is arming itself with ideas and innovations to fight the outbreak. From manufacturing our own automatic mask machines to advanced medical equipments and PPE's etc, it's not only engineers and doctors, but also start ups, students and general masses who are pitching in to make the best use of technology. COVID 19 spread has initiated several innovations in the areas of disinfections and sanitization of areas and people in public places. It has also initiated innovations for curtailing the spread of SARS CoV 2 (Covid-19 causal agent) with Ultraviolet disinfectant devices.

In the field of disinfectant tunnel there are several models which have been developed in the recent months. They have been of

primarily two types: 1. Dry Sanitization and 2. Wet Sanitization. The Wet sanitization tunnels developed come in various shapes, sizes and costs, and range from basic contraptions which cost from Rs. 25,000 to high-end steel and chrome tunnels with various sensors and conveyor belts and traffic lights which cost upto Rs 2.5 lakhs. With the high end tunnels the problem is accessibility to the masses, and with the very low cost tunnel the problem is the quality and efficacy of the tunnel.

As the State's nodal agency for development of Science and Technology in the State and also for the promotion of Innovation in the State, Chhattisgarh Council of Science and Technology with Span Universal (Student Start Up) from the State embarked on development of ultra low cost tunnel with good efficacy. The Startup is dealing in electronics and is run by engineering graduates.

With the concise effort of the Council and the Startup a low cost tunnel design has been developed and is being tested in the Council. The total cost of the tunnel is of the tune of Rs. 14500.00 only. The tunnel is light weight structure and fitted with sensors and with the low cost will be accessible to the masses. The Startup is also propagating the tunnel design presently.