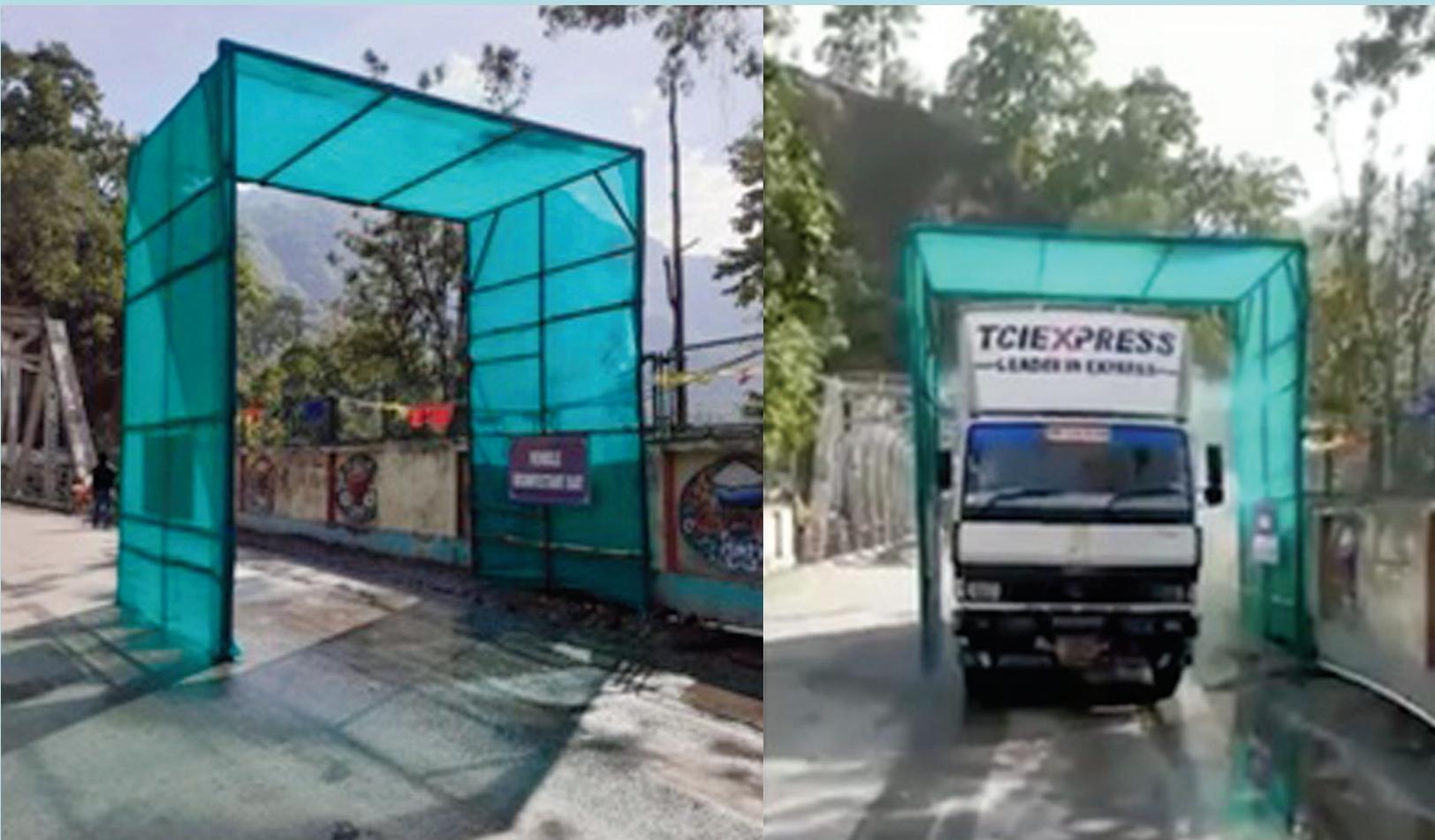


# Pioneering Innovations in Disinfection & Sanitization

Preeti Lata



The Vehicle Disinfectant Bay deployed at Rangpo Checkposts, East Sikkim  
Image Credits: PIB



Foot-operated Height Adjustable Hands-free  
Sanitizer Dispenser Stand  
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**W**HILE COVID-19 has resulted in shutting down many things, the doors of innovation are still open. Everyone is trying their bit and coming up with innovative solutions.

Lately, two such innovative disinfection solutions by common people received in response to Challenge COVID-19 Competition (C3) organised by the National Innovation Foundation-India (NIF), have been supported by the foundation. NIF is an autonomous body of the Department of Science and Technology (DST), Govt of India. The two innovations are Vehicle Disinfectant Bay and a Foot-operated Height Adjustable Hands-Free Sanitizer Dispenser Stand.

### **Vehicle Disinfectant Bay**

It is a device that can disinfect vehicles in an automated manner. It saves time and energy by finishing the disinfection process of a vehicle in less time with minimal efforts. It comprises of various components like a frame, tank, motor, MCB Board, agronet, nozzles, valves, pipes, and fittings. It sprays disinfectant liquid by means of an AC motor technology. It can be installed easily at State Borders/Checkposts. It is already deployed at two checkposts in the State of Sikkim – Rangpo Checkpost, East Sikkim, and Melli checkpost, South Sikkim.

### **Foot-operated Height Adjustable Hands-free Sanitizer Dispenser**

It is a perfect hygiene solution suited for residential, commercial, as well as industrial applications. It is simple in operation, as one just needs to press a pedal with the foot and the sanitizer is dispensed from the dispenser. Its height can be adjusted according to the sanitizer bottle size. It can be installed at various public places. It is being commercialised by Vissco Rehabilitation Aids Pvt. Ltd, which is a leading manufacturer of orthopaedic products and mobility aids.

According to *PIB* press release, Prof. Ashutosh Sharma, Secretary, DST says, “NIF is not only scouting for relevant and frugal innovations from a large number of citizens but also helping with end-to-end solutions to see the best ideas take wings. A topical competition of this kind satisfies the creative, social service, and entrepreneurship urges all at the same time from people from all walks of life.”

NIF is providing incubation, financial support and mentoring for further dissemination to the creators of these ideas.

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