

## NRDC transfers two COVID-19 technologies to Paulmech Infrastructure

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**Use of these innovative products will help the users in overcoming the existing problems with masks and sanitisers available in the market**



New Delhi based National Research Development Corporation (NRDC), an enterprise of Ministry of Science and Technology, Government of India, has entered into an agreement with Paulmech Infrastructure Pvt Ltd Kolkata, to transfer two COVID-19 control technologies developed by S.N. Bose National Centre For Basic Sciences (SNBNCBS), Kolkata, an Autonomous Research Institute under the Department of Science and Technology, Government of India.

The two technologies developed by SNBNCBS and transferred by NRDC are:

1. An Active Respirator with Attached Exhalation Valve and Suspended Particulate Matter Filter for Comfortable and Hygienic Breathing
2. Long-Lasting Nano-sanitiser with a Dispensing Antimicrobial Layer.

The Active Respirator mask is an innovative solution to the rebreathing of carbon dioxide, exhaled moisture, and sweaty and hot environment inside the mask. It also improved the clarity of speech of a person with a face mask and assures comfortable, hygienic breathing to protect the wearer from exposure to airborne contaminants.

The Long-Lasting Nano-sanitiser innovation is a solution to the problems caused by the use of the general sanitisers like dehydration of skin due to frequent use, and nature of instantaneous antimicrobial action of common sanitisers without protective role. This innovative sanitiser technology assures comfortable and hygienic hand sanitisation for a longer duration.