

AGREEMENTS SIGNED

08
07
2020

THINCR
Think Innovate Create

Multilayer face masks with virucidal/germicidal filter

Virucidal coated
Filter of reusable
sanitizable mask



N95 mask with
additional virucidal
coated filter layer



Disposable mask
with virucidal
coated Filter layer



- The virucidal coated layer can be used to manufacture various types of masks (Above Photos are of actual products)
- The mask filter tested for pressure drop, Bacterial filtration efficiency which is well within acceptable range, Also tested for bactericidal activity
- The additional virucidal coated layer in the N95 mask and simple cloth mask make it functionally more efficient
- The multilayer reusable filter is also developed using 3D printing principle, therefore fits accurately & tightly in reusable mask cover



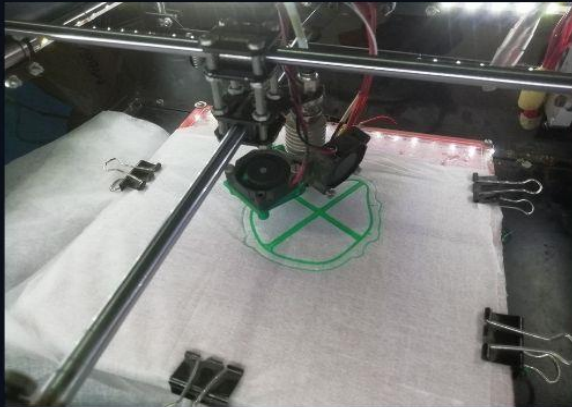
**Technology Development Board
supports
M/s Thincr Technologies India Pvt.
Ltd, Pune**

for Commercialisation of

**Development of low cost and more efficient
masks coated with antiviral agents to protect
spread and protection of Covid 19 and other
viral infections**

PROJECT SECTOR: Covid Proposal

CATEGORY: Mask



TDB has approved financial support to M/s Thincr Technologies India Pvt. Ltd, Pune for “Development of low cost and more efficient masks coated with antiviral agents to protect spread and protection of Covid 19 and other viral infections” through an agreement signed on 8th July 2020. The company has submitted an application in response to its invitation for proposals for technologically innovative solutions towards fighting COVID-19.

The company is involved in the coating and 3D printing of anti-viral agents on the masks as a preventive measure against COVID-19. Sodium Olefin Sulfonate based mixture is used as a coating on the mask. Sodium olefin sulfonate which is a soap forming agent has hydrophilic and hydrophobic properties when come in contact with enveloped viruses, it disrupts the outer membrane of the latter. The ingredients used as the coating agent are stable at room temperature and are widely used in cosmetics.

