Technology Hand-holding for production of polymer swab, developed by C-MET, Pune for RT-PCR Covid-19 testing

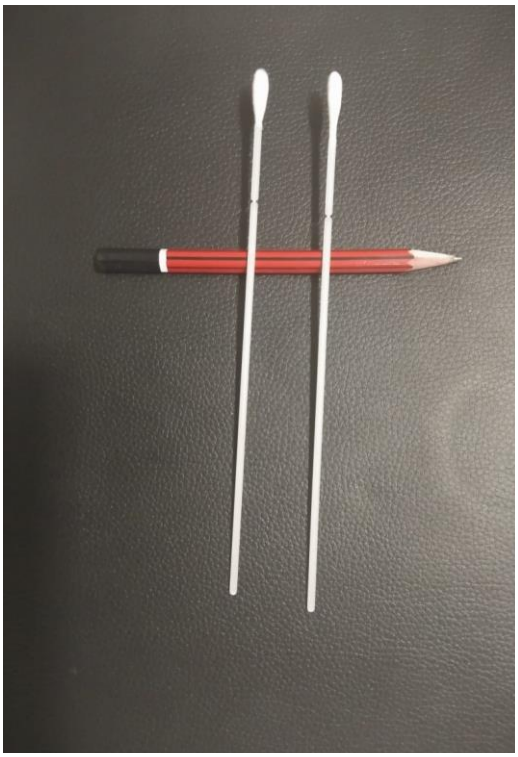
The Centre for Materials for Electronics Technology is a premier research centre in Electronic materials under Ministry of Electronics and Information Technology (MeitY),Government of India. C-MET is engaged inthe research and development of process/product/technology and transfer of the technology in the area of Electronic materials, components and devices to cater to India's strategic and industrial applications, exploiting indigenous resources of raw materials.

The C-MET has three Centres, located at Pune, Hyderabad and Thrissur with specialized research mandate at each place. C-MET, Puneis engagedin R&D of electronic materials, LTCC materials & packaging, Nanomaterials, solar cells, fuel cells, Hydrogen, Rechargeable batteries& materials, Sociality glasses, polymers, Glass/polymer nanocomposites etc.

Ministry of Electronics and Information Technology, is promoting R&D in the country in the areas on electronics materials and photonics through its Electronic Materials and Components Development (EMCD) Division, thereby, also financially supporting its scientific society, C-MET, to cater the needs of local industries in realizing development of electronic products, components etc. in emerging areas so as to keep these industries technology relevant globally.The requisite R&D support and technology handholding would be essential for Indian materials and component manufacturing sector to establish their presence in global market.

About the products:

- C-MET has developed simple and cost effective prototype of polymer swabs with the help of locally sourced raw materials for the sample collection of clinical specimen sample of suspected cases for COVID-19. National Institute of Virology(NIV), Pune, a laboratory under Indian Council of Medical Research(ICMR), Government of India, New Delhi had tested the prototype and certified the satisfactory use in human sample collection. The prototype is part of the COVID-19RT PCR sample collection and testing.



Sl. No	Product
1	Polymer swab for RT-PCR Covid-19 testing

Technology Handholding

The technology is ready for prototype polymer swab made manually as per design with local materials. Once scaled up, this invention can be of immense value to India and other developing countries in need of large scale mobilization of diagnostic kits. The prototype process is available for converting into large scale production on automatic machines. C-MET would like to invite the competent industrial partners for commercialization of the polymer swab on the following terms.

(1) Technology holding charges Rs 5 lakhs on **nonexclusive basis**
(2) The 5% Royalty on net sale of the swab of the testing kit.

The technology handholdingdocument

1. Design of Polymer swab
2. Fabrication process of prototype swab
3. Materials required with specifications.

C-MET, Pune will provide the design and manual process of prototype fabrication. C-MET will provide all information available while fabrication of prototype.

Who can apply?

Industries with good experience in manufacturing the any kind of materials/productscan approach C-MET, Pune for the technology handholding. Professionally managed Companies and Corporate are also welcome to apply for the technology.

How to apply?

Interested companies may send expression of interest with their details with supporting documents like company profile. All rights are reserved with C-MET, Pune and MeitY, New Delhi

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General:

The industry willing to take technology for commercial exploitation will be required to enterinto an agreement with C-MET, Pune as per the terms and conditions approved by thecompetent authority.