



Wed, 06 May 2020

## **Contactless hand sanitisation: How officials in PMO, Rashtrapati Bhawan, SC are keeping their hands sanitised**

*All government offices and residences of notable personnel, including Rashtrapati Bhawan, PMO, Supreme Court, Ministry of Home Affairs, among others have been equipped with DRDO and Riot Labz developed OakMist, contactless sanitizer dispenser which sprays alcohol-based hand rub sanitizer solution*

New Delhi: All government offices and residences of notable personnel, including Rashtrapati Bhawan, PMO, Supreme Court, Ministry of Home Affairs, among others have been equipped with DRDO and Riot Labz developed OakMist, contactless sanitizer dispenser which sprays alcohol-based hand rub sanitizer solution. Following an advisory on MHA for Lockdown's phase 3 on contactless sanitization, the product has been made available for masses today, and is available for pre-booking at <https://oakmist.com>

Named OakMist, the product is based on water mist aerator technology, which was developed for water conservation. The unit operates without contact and is activated through an ultrasonic sensor. A single fluid nozzle with low flow rate is used to generate aerated mist to dispense the hand rub sanitizer. This sanitizer the hands with minimum wastage. Using atomizer, only 5-6 ml sanitizer is released for 12 seconds in one operation and it gives the full

We frequently touch our eyes, nose, and mouth throughout the day. According to recent research, the number of times we touch our faces can be anywhere around 23 to 50 times per day. OakMist is a must for all establishments, commercial and noncommercial to ensure utmost safety against Coronavirus.

The unit has already been installed in major government offices including DRDO Bhawan, PMO, Ministry of Home Affairs, Ministry of Finance, Army offices, Supreme Court and other premises. "India's fight against the novel Corona can only be won by adopting healthy health habits, sanitization being prime of all. Riot Labs is taking this innovation across the length and width of the country." said, Shishir Gupta, Founder and CEO, Riot Labz.

<https://www.expresscomputer.in/indiaincflightscovid19/contactless-hand-sanitisation-how-officials-in-pmo-rashtrapati-bhawan-sc-are-keeping-their-hands-sanitised/54838/>

## DRDO & Riot Labz develop OakMist sanitizer

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<https://www.biospectrumindia.com/news/43/16384/drdo-riot-labz-develop-oakmist-sanitizer.html>



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## DRDO develops UV tower for rapid, chemical-free disinfection of coronavirus-prone areas

Defence Research and Development Organisation (DRDO) has developed an Ultra Violet (UV) Disinfection Tower for rapid and chemical-free disinfection of high infection-prone areas, the Ministry of Defence said in an official release.

Named UV Blaster, the equipment has been designed and developed by DRDO's Delhi-based Laser Science and Technology Centre (LASTEC) with the help of New Age Instruments and Materials Private Limited, Gurugram.

"The UV Blaster is useful for high tech surfaces like electronic equipment, computers and other gadgets in laboratories and offices that are not suitable for disinfection with chemical methods. The

product is also effective for areas with a large flow of people such as airports, shopping malls, metros, hotels, factories, offices, etc.” the MoD said in the release.

The UV based area sanitiser may be used by remote operation through laptop/mobile phone using wifi link, the release said.

The equipment has six lamps each with 43 watts of UV-C power at 254 nm wavelength for 360-degree illumination.

“For a room of about 12 x 12 feet dimension, the disinfection time is about 10 minutes and 30 minutes for 400 square feet area by positioning the equipment at different places within the room,” it added.

This sanitiser switches off on accidental opening of room or human intervention, the release added.

<https://swarajyamag.com/insta/drdo-develops-uv-tower-for-rapid-chemical-free-disinfection-of-coronavirus-prone-areas>



UV Disinfection Tower developed by DRDO (Pic Via PIB Website)

Goa Chronicle

Wed, 06 May 2020

## DRDO develops ultra violet disinfection tower for high infection prone areas

Balalore: Defence Research and Development Organisation (DRDO) has developed an Ultra Violet (UV) Disinfection Tower for rapid and chemical free disinfection of high infection prone areas.

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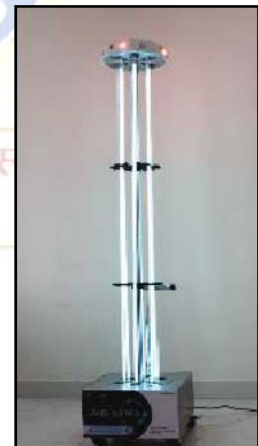
The UV based area sanitiser may be used by remote operation through laptop/mobile phone using WiFi link.

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For a room of about 12 x 12 feet dimension, the disinfection time is about 10 minutes and 30 minutes for 400 square feet area by positioning the equipment at different places within the room.

This sanitiser switches off on accidental opening of room or human intervention. One more salient safety feature of the product is the key to arm operation, the release said.

<https://goachronicle.com/drdo-develops-ultra-violet-disinfection-tower-for-high-infection-prone-areas/>





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## From zero, India now produces around 2 lakh PPE kits per day

*The highest single-day production of PPE kits, around 2.06 lakh kits, was recorded on May 2. However, on average, domestic production is about 1.5 lakh per day*

New Delhi: India, which was not manufacturing even a single personal protective equipment (PPE) kit, has now achieved an almost unrealistic goal of producing 2.06 lakh PPE kits daily within two months after the coronavirus outbreak.

The highest single-day production of PPE kits, around 2.06 lakh kits, was recorded on May 2. However, on average, domestic production is about 1.5 lakh per day.

A PPE kit consists of mask, eye shield, shoe cover, gown and gloves, which doctors and healthcare workers wear during the treatment of COVID-19 patients.

"It is very comforting to us that our in-house PPE kit production is increasing fast. On May 2, the country recorded maximum production of protective gears of about 2.06 lakh manufactured in a single day," a senior Health Ministry official told ANI.

"Earlier, there was no domestic manufacturing of PPE kit in the country and almost all of them were imported. Within a short span of time, India has been able to increase the daily production of PPE kits to about 1.5 lakh," he said.

"In January, there were only 2.75 lakh PPE kits (imported ones) available in the country. As of today, we have about 15.96 lakh PPE kits in the centre-state buffer stock," added the official.

The government has identified at least 110 domestic manufacturers of PPE kits in the country. However, only 52 companies are manufacturing PPE kits right now.

Companies like Alok Industries, JCT Phagwara, Gokaldas Exports, Aditya Birla, etc., are some of the domestic PPE kits manufacturers.

The Union Health Ministry official added: "As of now, the Central government has distributed about 21.32 lakh PPE kits to the Centre and state-run hospitals. At least 15.96 lakh PPE kits are in the Centre-State buffer stock."

Recently, the Empowered Group-3 of the Central government had informed that the total projected demand of PPE kits till June 2020 would be 2.01 crore.

Orders for 2.22 crore PPE kits have already been placed, of which orders to the tune of 1.42 crore have been placed with the domestic manufacturers and 80 lakh PPE kits are being imported.

Some government institutes like South India Textile Research Association (SITRA), Defence Research & Development Organization (DRDO) and Ordnance Factory Board are at the forefront of developing new technologies, materials, and testing facilities. DRDO has also developed new PU coated nylon/polyester for supply to domestic manufacturers.

*(This story has not been edited by NDTV staff and is auto-generated from a syndicated feed.)*

<https://www.ndtv.com/india-news/coronavirus-from-zero-india-now-produces-around-2-lakh-personal-protective-equipment-kits-per-day-2223866>

## Savings from delayed foreign deals to push indigenous projects

*Source said that foreign equipment manufacturers are being approached to understand which programmes are likely to see delayed deliveries and the way forward would be to defer payments for late deliveries, without invoking the penalty clause*

By Manu Pubby

New Delhi: The defence ministry has initiated a process to identify potential savings that can be made this year due to delays in production orders placed on foreign companies and could channel some of the resources to fast-track indigenous programmes that hold the key to sustaining local industry.

Source said that foreign equipment manufacturers are being approached to understand which programmes are likely to see delayed deliveries and the way forward would be to defer payments for late deliveries, without invoking the penalty clause.

Once the exercise is complete, the ministry would be able to understand how much of its committed liability payments could be freed up this year and could be channelised for Make in India projects.

Several large ongoing programmes consume 90% of the defence capital budget, including the Rafale fighter jet deal, which is likely to see delayed deliveries by three to six months. With these large payments likely to be deferred, there is fresh focus on seven Make in India programmes that are in the final stages of signing and have the potential of sustaining more than 2,000 defence manufacturing units and MSMEs.

The largest of these is the Rs 39,000 crore order for 83 Light Combat Aircraft (LCA) that is currently awaiting a nod from the Cabinet Committee on Security (CCS).

The order for two regiments of Akash air defence missiles worth over Rs 6,000 crore is also in the final stages and could be fast tracked to be signed this year.

The third project that could be fast-tracked is the order for six regiments of Pinaka Multi Barrel Rocket Launchers (MBRL) that has been pending since 2017.



### Make-or-Break Situation

Seven Make in India projects that can be finalised this year hold key to sustaining industry. The local projects include:

#### 83 LIGHT COMBAT AIRCRAFT (LCA)



**GAINERS** At least 35% of the work to go to private Indian companies Dynamics, VEM Technologies and Alpha Design

#### Seven squadrons of Akash air defence missiles



₹6,000cr

**GAINERS** Bharat Electronics, Bharat Dynamics, MSMEs

#### Six regiments of Pinaka Multi-Barrel Rocket Launchers (MBRL)



₹4,500cr

**GAINERS** Tata Aerospace and Defence and L&BCCL

On the shipbuilding front, four big projects hold the key to private sector yards making it out of the Covid-19 crisis. These include the order for eight Fast Patrol Vessels.

While combined, these programmes are worth much more than the capital budget, kick-starting them would require only a 10% advance payment that could be channelised from savings made from foreign payments.

<https://economictimes.indiatimes.com/news/defence/savings-from-delayed-foreign-deals-to-push-indigenous-projects/articleshow/75541978.cms>

