

## **NAVAL PHYSICAL & OCEANOGRAPHIC LABORATORY (NPOL), KOCHI**

### **NPOL-Developed UV Baggage Disinfector at CIAL**

A facility for disinfecting passenger baggage at Cochin International Airport Ltd (CIAL) was installed by Naval Physical & Oceanographic Laboratory, Kochi, in presence of Shri S. Vijayan Pillai, OS & Director, NPOL. The facility consists of two cubic enclosures fixed on to the existing airside conveyors at CIAL, with a configuration of UV lights so placed as to illuminate the volume to the maximum. The UV circuitry was established by NPOL as per the required dosage, intensity and exposure, whilst ensuring sufficient protection of the baggage handling personnel.

The facility has been set up by the scientists of DRDO's lab, NPOL, Kochi, after CIAL officials sought their help in disinfecting the baggage of passengers, before the arrival of the repatriation flights to Kochi. Accordingly, a team of NPOL scientists installed the UV baggage disinfector at the entry point of the airside baggage conveyor belt at the International Arrival Terminal. By positioning the facility at this point, it was ensured that the baggage gets disinfected even before it reaches the Customs area.

When the first flight bringing back the NRIs from the Gulf countries landed on 8<sup>th</sup> May 2020, their baggage got disinfected using this system. The facility will be operative in CIAL during the coming days also. Meanwhile, NPOL is working on an automated baggage disinfector using UV bath as a permanent facility at airports, dockyards, hotels etc.

(Attached one photograph)

NPOL-UV Baggage Disinfector.jpg



UV Baggage disinfector is being switched on by NPOL Director at CIAL, Kochi