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(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)  
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**CSIR-Central Scientific Instruments Organisation**  
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## TO WHOM IT MAY CONCERN

### **SUBJECT: INSTALLATION OF “INDUCT UV-C DISINFECTION SOLUTIONS FOR HVAC DUCTS”**

CSIR-CENTRALSCIENTIFIC INSTRUMENTS ORGANISATION (CSIO), Chandigarh is a constituent laboratory of Council of Scientific & Industrial Research (CSIR), New Delhi. The premier National laboratory is dedicated to research, design and development of Scientific Instruments & Technologies in India. Recently, the laboratory has successfully developed & validated “Induct UV-C based disinfection systems” for deactivation of SARS Covid 19 and its variants. The product is non- contact, non-chemical, highly reliable and is a unique and innovative development by CSIR laboratories.

There has been increasing evidence for airborne route of transmission via aerosols for the COVID SARS. The airborne particles, which may be inhaled by other people and eventually transmit infection and major risk in indoor settings. It uses UV-C light of wavelength of 254nm with no lasting by-products. It damages the nucleic acids, DNA or RNA, of an organism which gives infection – this could be bacteria, viruses or fungi. The technology has been developed according to the requirements for deactivation of SARS COV-2 virus contained in an aerosol with necessary ventilation measures, necessary safety and user guidelines and tested Bio-safety standards with the participation and support of CSIR laboratories etc

The CSIR-CSIO developed product is tested for 99.9% disinfection and is used as a retrofit solution to AHUs of buildings, transport vehicles and other spin off applications.

The system comes with commercialized Safety, EMC & Environmental standards and CE certifications. CSIO is committed to making the benefit of this technology to reach the society at base level throughout the country.

CSIR-CSIO team has successfully installed these “INDUCT UV-C DISINFECTION SYSTEMS” systems in HVAC ducts at **Indian Parliament, New Delhi** and has achieved all the requisite measures and satisfactory performance.

M/s TICEON HSE is one of the technology partner co-located in this area and CSIR-CSIO is proudly associated with them CSIR-CSIO has transferred the technology to M/s TICEON HSE and has done the initial handholding for successful deployment in the field. They are authorized to carry out the installations as per the designated part number of CSIR-CSIO. Installation of such systems will enable to restore public confidence in the Nation and allow people of the country to return to work places.

We wish them good luck for future.

  
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