

University of Mumbai



No. Aff./ICC/ (2021-22)/17/ of 2021

C I R C U L A R

Sub:- ALL AICTE Approved University/ Deemed to be University/ Institutions.

Ref:- Letter No. AICTE/AB/Adv/MISC/2021-22 dated 29th September, 2021 from Office of AICTE, New Delhi.

The Principals/Directors of all affiliated Engineering & Management Colleges/ Institutions are hereby informed that the During this ongoing pandemic, the Council of Scientific and Industrial Research (CSIR), the premier national R&D organization under Ministry of Science and Technology, has developed possible solutions and interventions that are required to contain the tremendous challenge faced by the country due to SARS-COV-2 virus that causes COVID-19.

The aerosol, air-borne route of transmission of the SARS-COV-2 virus is now considered the most likely cause for spread of infection. This mode of virus dispersal has been confirmed by major agencies such as WHO, REHVA, ASH RAE as well as verified by careful studies worldwide including CSIR- Central Scientific Instruments Organization (CSIR-CSIO), CSIR-Central Building Research Institute (CSIR-CBRI) and CSIR- Institute of Microbial Technology (CSIR-IMTECH) have developed and made available air-sanitization devices based on Ultra-Violet C band irradiation.

The systems so developed have been validated for viricidal doses as well as safety certified and the technology has been transferred to over 31 companies who have been installing them in various buildings and AC buses.

The devices, once extensively implemented in community spaces like schools and college, have potential of reducing cross-infections and restoring students' confidence in academic places.

A set of brochures on the mentioned products and technologies viz. induct UV-C Technology' for Air Ducts of HVAC systems in auditoriums, buildings, AC Buses etc) the "Circulating air flow Purelevator Technology" for lifts, toilets,

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washrooms etc and the "Standalone Air-Circulation Technology" for rooms have been enclosed as annexures. The annexures also include the details of companies who hold the technologies from CSIR and implementing the technologies and the products.

The Principals/Directors of all affiliated Engineering & Management Colleges/ Institutions are hereby requested to take necessary steps for installation of air-sanitization devices based on Ultra-Violet C Band irradiation in auditoriums, building, AC Buses etc.); the 'Circulating air flow Purelevator Technology' for lifts, toilets, washrooms etc and the "Standalone Air-Circulation Technology" for rooms to have potential of reducing cross-infections and restoring students confidence during the physical starting of classes in the current Academic Year.

A List of industries capable of providing the products and Boucher of UV-C Air Duct Disinfection System- VI.06/ UVC Air Disinfection System for Elevator n-1.02/ Clean Air (C) Disinfection Systems are enclosed for ready reference.

Kindly do the needful in the above matter.

Mumbai-400 032
14th October, 2021


(Sudhir Puranik)
REGISTRAR

To,
The Principals/Directors of all affiliated Engineering & Management Colleges/ Institutions.



प्रो. राजीव कुमार
सदस्य सचिव
Prof. Rajive Kumar
Member Secretary



Registrar
[Signature]

VC
- 1 OCT 2021

VC/ICD/2021-22/628

अखिल भारतीय तकनीकी शिक्षा परिषद्
(भारत सरकार का एक सांविधिक निकाय)
मानव संसाधन विकास मंत्रालय, भारत सरकार
नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली - 110070
दूरभाष: 011-26131497

ई मेल : ms@aicte-india.org
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(A Statutory Body of the Govt. of India)
Ministry of Human Resource Development, Govt. of India
Nelson Mandela Marg, Vasant Kunj, New Delhi-110087
Phone: 011-26131497
E-mail: ms@aicte-india.org

AICTE/AB/Adv/MISC/2021-22

Dated : 29-09-2021

Circular

To,

All AICTE Approved University / Deemed to be University / Institutions

Sub.: Installation of air-sanitization devices based on Ultra - Violet C band irradiation

Dear Sir / Madam,

Greetings from All India Council for Technical Education...!

During this ongoing pandemic, the Council of Scientific and Industrial Research (CSIR), the premier national R&D organization under Ministry of Science and Technology, has developed possible solutions and interventions that are required to contain the tremendous challenge faced by country due to SARS-COV-2 virus that causes COVID-19.

The aerosol, air-borne route of transmission of the SARS-COV-2 virus is now considered the most likely cause for spread of infection. This mode of virus dispersal has been confirmed by major agencies such as WHO, REHVA, ASH RAE as well as verified by careful studies worldwide including CSIR laboratories. As a possible mitigation measure, CSIR constituent laboratories CSIR-Central Scientific Instruments Organization (CSIR-CSIO), CSIR-Central Building Research Institute (CSIR-CBRI) and CSIR- Institute of Microbial Technology (CSIR - IMTech) have developed and made available air-sanitization devices based on Ultra - Violet C band irradiation.

The systems so developed have been validated for viricidal doses as well as safety certified, and the technology has been transferred to over 31 companies who have been installing them in various buildings and AC buses.

The devices, once extensively implemented in community spaces like schools and colleges, have potential of reducing cross-infections and restoring students' confidence in academic places.

DR. [Signature]
OR (CAD)

[Signature]
AICTE Registrar

A.C.
Issue Circular
all AICTE
Approved
Colleges
[Signature]
12/10


A set of brochures on the mentioned products and technologies viz., 'Induct UV-C Technology' for Air Ducts of HVAC systems in auditoriums, buildings, AC Buses etc.); the 'Circulating air flow Purelevator Technology' for lifts, toilets, washrooms etc. and the 'Standalone Air-circulation technology' for rooms, have been enclosed as annexures. The annexures also include the details of companies who hold the technologies from CSIR and implementing the technologies and the products.

All the AICTE approved Institutions / Universities are requested to take necessary steps for installation of *air-sanitization devices based on Ultra – Violet C band irradiation in auditoriums, buildings, AC Buses etc.); the 'Circulating air flow Purelevator Technology' for lifts, toilets, washrooms etc. and the 'Standalone Air-circulation technology' for rooms to have potential of reducing cross-infections and restoring students confidence during the physical starting of classes in the current Academic Year.*

A list of industries capable of providing the products and Boucher of UV-C Air Duct Disinfection System – VI.06 / UVC Air Disinfection System for Elevator n -1.02/ Clean Air © Disinfection System are enclosed for ready reference.

Encl. as above.

Regards,


29.9.21
(Prof. Rajive Kumar)
Member Secretary

Copy to:

1. All the Principal Secretaries of State/UT
2. All the Vice Chancellors of Affiliating Universities / State Private / Deemed-to-be-Universities
3. The Directors of State DTEs



डॉ. शेखर चिं. मांडे

एफएनए, एफएएससी, एफएचएएससी

सचिव

वैज्ञानिक और औद्योगिक अनुसंधान विभाग तथा

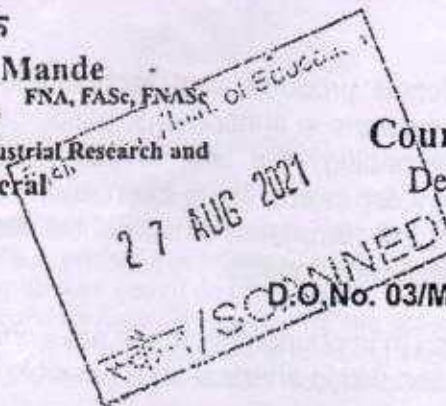
महानिदेशक

Dr. Shekhar C. Mande

Secretary

Department of Scientific & Industrial Research and

Director General



भारत सरकार

विज्ञान और प्रौद्योगिकी मंत्रालय

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद

वैज्ञानिक और औद्योगिक अनुसंधान विभाग

Government of India

Ministry of Science and Technology

Council of Scientific & Industrial Research

Department of Scientific & Industrial Research

D.O. No. 03/MI/ UV-CSIR-CSIO/MinEdn/TMD-SeMI-2021/67

August 23, 2021

Subject: CSIR's Technological Solutions for cautious reopening of Higher Education Institutes

Dear Shri Khare,

During this ongoing pandemic, the Council of Scientific and Industrial Research (CSIR), the premier national R&D organization under Ministry of Science and Technology, has developed possible solutions and interventions that are required to contain the tremendous challenge faced by country due to SARS-COV-2 virus that causes COVID-19.

The aerosol, air-borne route of transmission of the SARS-COV-2 virus is now considered the most likely cause for spread of infection. This mode of virus dispersal has been confirmed by major agencies such as WHO, REHVA, ASH RAE as well as verified by careful studies worldwide including CSIR laboratories. As a possible mitigation measure, CSIR constituent laboratories CSIR-Central Scientific Instruments Organization (CSIR-CSIO), CSIR-Central Building Research Institute (CSIR-CBRI) and CSIR - Institute of Microbial Technology (CSIR- IMTech) have developed and made available air-sanitization devices based on Ultra-Violet C band irradiation.

The systems so developed have been validated for viricidal doses as well as safety certified, and the technology has been transferred to over 31 companies who have been installing them in various buildings and AC buses. The Uttar Pradesh State Road Transport Corporation (UPSRTC) air-conditioned buses have been retrofitted with these systems, which are running on road for the past three months. Mathematical modelling indicates that the probability of another passenger getting COVID infection from a single infected passenger in an AC bus over an 8-hour journey reduces from about 40% (assuming no mask use) to less than 0.1%, if the UV-C air sanitization systems are used.

You may be aware that before the recent onset of the Parliament Session, the UV-C systems were installed by CSIR in the Lok Sabha Chamber and the Central Hall of Parliament building within a matter of few days.

The devices, once extensively implemented in community spaces like schools and colleges, have potential of reducing cross-infections and restoring students' confidence in academic places. This is especially so in case of Ministry of Education which cater to large number of scholars at a time and therefore have large foot-falls at any given time. IITs, NITs and IISERs

can use such technologies/ products of CSIR to facilitate untroubled return of scholars on complete reopening education institutions. The solutions can either be self-implemented or purchased from the vendors.

A set of brochures on the mentioned products and technologies viz., 'Induct UV-C Technology' for Air Ducts of HVAC systems in auditoriums, buildings, AC Buses etc.); the 'Circulating air flow Purelevator Technology' for lifts, toilets, washrooms etc. and the 'Standalone Air-circulation technology' for rooms, have been enclosed as annexures. The annexures also include the details of the companies who hold the technologies from CSIR and implementing the technologies and the products.

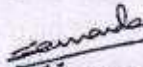
I therefore seek your kind intervention in implementing these solutions in various esteemed institutions under Ministry of Education within shortest time possible so as to help restrain further waves of the pandemic.

Although the attached brochures of the UV-C retro-fit units have the contact details of the authorised vendors, CSIR would be happy to offer guidance and any assistance as required. If you so desire, we could make a presentation on the solutions to you and the team at the Ministry.

I look forward to your response.

With warm regards,

Yours Sincerely,


(Shekhar C. Mande)

Shri Amit Khare,
The Secretary,
Department of Higher Education,
Ministry of Education
127-C, Shastri Bhawan, New Delhi-110001