

4th International Summit on

GMP, GCP & Quality Control

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Cleanrooms Containments, India

How to prevent outbreaks in endemic countries?

The presentation shall give an overview of Bio-Containments, CDC/NIH guidelines, how to select suitable containment, how to stop outbreaks by developing effective, energy efficient, safe new research and manufacturing facilities to prevent outbreaks. Few points on Bio-security also discussed. Presentation shall cover methods and technologies implemented globally for Bio-containments, research facilities, safety measures to follow while handling infectious organisms. Constructional features of these facilities, some typical layouts, material of construction of these facilities, HVAC requirements, and various primary, secondary and tertiary containment methods are discussed in detail. There are life science research bio-containments and pharmaceutical containments also and both are slightly different. It is explained appropriately. What are the adverse effects of outbreaks, economic loss to nation are also discussed. India is endemic to many infectious diseases. DBT& DST formed some Bio-Safety guidelines for India, but there is a necessity to form a committee to develop and release complete guidelines for the nation such as a govt. certifying body to certify the certifying companies. These companies are in turn responsible to certify the bio-containments all over India after construction of new facilities and for re-qualification every year. Bio-containments are for bio-safety, they are different from cleanrooms. Major consideration shall be for personnel and environmental safety rather than product safety in bio-containment facilities.

Biography

Ravi Kumar Tummalacharla is a Graduate Mechanical Engineer. He is an Expert in design & construction of bio-containment projects (BSL-3 Ag, BSL-3, BSL-2 facilities), cleanrooms, and HVAC systems. He has 16 years of experience in Cleanrooms, Bio-containments, Vivariums (Animal facilities), Eco-toxicology, Microbiology, Virology, Bacteriology, Analytical, Instrumentation labs. In the past, he worked for Bharat Biotech, Biovet and Voltas Ltd. He is the Founder and CEO of Cleanrooms Containments. He presented few topics on bio-containments and cleanrooms on various national and international seminars. He is exclusively working on cleanrooms and bio-containments. He is going to present another talk at IVBWG at Geelong-Australia on Nov 3rd 2015. He is a member of ABSA (American Biological Safety Association), ASHRAE (American Society for Heating, Refrigeration & Air-Conditioning Engineers), Society for Bio-Safety of India, and CCSI (Contamination Control Society of India). He is actively involved in organizing ASHRAE programs.

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