

# A MILITARY HOSPITAL ENABLED TO REDUCE CONTAMINANTS & AIRBORNE PARTICULATES, AND STOP CROSS-INFECTION



## THE BACKGROUND

Chandimandir Cantonment is a military base of the Indian Army located in the Panchkula district at the Shivalik foothills, adjoining Panchkula city in Haryana. It is the headquarters of the Western Command of the Indian Army. The Command Hospital (Western Command) in the cantonment is one of the most prestigious military hospitals in the country, facilitated with several awards and accolades.

## CHALLENGES FACED

The air quality within the hospital significantly impacts the health of individuals within the space. Specifically, the air provides a vehicle for the spread of bacteria, viruses, fungi, and other airborne toxins and contributes to potentially lethal hospital-acquired infections. Airborne-related infections continue to be a problem within the hospital setting. It's especially crucial for the paediatric ICU which is an area within a hospital, specialising in the care of critically ill infants, children, teenagers, and young adults aged 0-21 with majorly respiratory issues.

## SOLUTION PROVIDED

We installed 3 units of SHARP FU-551KM Air Purifier in the paediatric ICU. After some time, a significant reduction was noticed in bacterial load.

## OUTCOME ACHIEVED

SHARP Plasmacluster Technology was found effective in reducing contaminants and eliminating disease-causing airborne particulates within the ICU. Subsequently, the recovery rates of the patients increased considerably. The air purifiers were able to ensure air purification down to very small microns.

## CUSTOMER EXPERIENCE

"We are happy with the performance and post effects of Plasmacluster Ioniser. It has helped our patients recover from their medical conditions faster and easier."