

Precautionary Measures taken in CMRL UG Air conditioning system to manage COVID-19 situation

Metro Rail Services were suspended temporarily due to the spread of COVID-19.

In this connection, Chennai Metro Rail Services will be resuming from 7th September 2020 onwards. The following precautionary measures have been taken by CMRL for the safety of the passengers

- Stations and Coaches have been made 100% safe to travel in this COVID-19 Scenario.
- CMRL Underground Stations are air conditioned and precautionary measures have been taken by maintaining the inside temperature at 24-30°C and relative humidity at 40 – 70 %.
- Temperature inside the coaches is maintained at 25°C to 27°C as per guidelines from MoHUA and fresh air supply will be increased from 25% to 100%
- Indoor Air Quality is also maintained by including fresh air inside the station at around 4 times more than the recommended rate and the fans are run continuously at maximum capacity as per CPWD (Central Public Works Department) and ISHRAE (Indian Society for Refrigeration and Air – Conditioning)
- Air Handling Units are provided with two levels of air filters. Primary filter traps particles of size 10 micron and above and secondary filter traps 5 micron and above.
- As an additional measure Carbon Di-oxide level is also maintained between 400 – 500 ppm (parts per million) level inside the station.
- Air circulation paths are provided with UV (Ultra Violet) ray emitters which emits ultra violet rays that kills microorganisms present in the circulating air.
- Air Handling Units and fresh air fans would be operational two hours before starting the service and stopped two hours after the train services to ensure no contamination remains inside.
- Air Filters and Cooling Coils are cleaned once in a week with 1% Sodium Hypochlorite solution.

- Air diffusers and grills are cleaned once in seven days with 1% Sodium Hypochlorite solution.
- Metro rail tunnels are also ventilated by ventilation fans to get rid of the micro-organism present.