

# Micro-plasma oxidation system introduced by CMRL

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The Chennai Metro Rail Limited (CMRL) has introduced a micro-plasma oxidation system in an attempt to reduce exposure of chemicals being used for sanitisation of rolling stock and stations.

The CMRL, in a press release on Wednesday, said that Chennai was the first Indian metro that ventured into the micro-plasma oxidation system which is able to produce an aqueous stabilized ozone on demand to avoid exposure of harsh chemicals during sanitisation.

This technology, which is used in high-end defence and medical applications, makes surrounding air chemical-free. The CMRL in association with ETA Purification has developed a system to use the technology to disinfect rolling stock and stations.

The produced aqueous-based disinfecting agent is approximately 10-1000 times more effective than other chemicals against bacteria and viruses. The sanitation process can be completed in just a few minutes. This system requires only ordinary water as input and no chemical is needed.



A worker disinfects a metro-rail coach in Chennai on Wednesday.

— DC