

Ans-1 A cooling tower is heat rejection device, which extracts waste heat to the atmosphere through the cooling of water stream to a lower temperature. Common applications of cooling towers are providing cooled water for air conditioning, manufacturing and electric power generating.

Cooling towers are recirculating water system used to remove heat from building air conditioning equipment and industrial process. They require specialized maintenance ensure to safe efficient and reliable operation including an effective water treatment programme.

### Cooling tower types

These are three main types of cooling towers. That are defined by how water or air fall through them. These types include cross flow, counter flow, and hyperbolic. There are two variables classified solely on airflow.