

Title of project

- Central Cooler System

Name of students with roll number

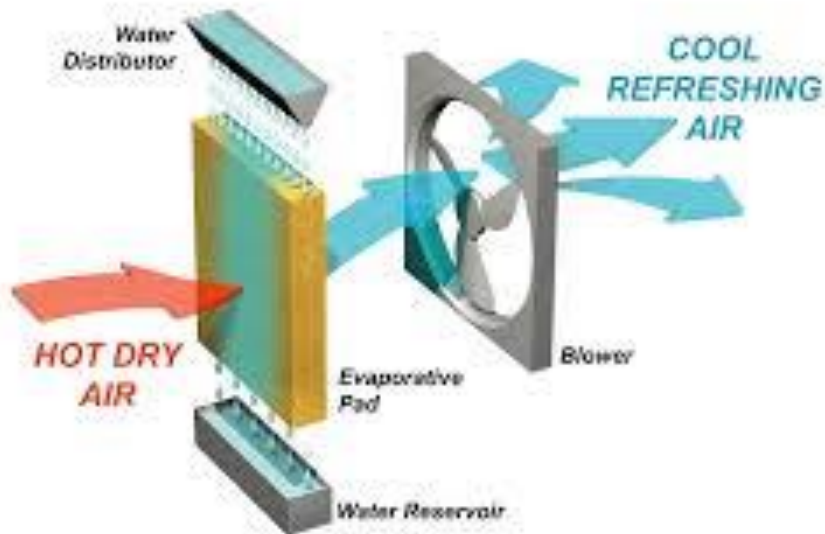
- Hardikkumar Pravinbhai Patel - 110340119034
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Working Principal in brief

- Central cooler plant to central lies cooling effect provide to building, restaurants, hotels, school, home, commercial complex etc. using cooling to very low energy uses and high effect central cooler plant.
- The heart of an evaporative cooling system is the pad where the water evaporates and the air passing through the pads is cooled.
- Evaporative cooling pads, like pads, are manufactured of fluted cellulose sheets that are glued together. This material is chemically impregnated with special compounds to prevent rot and ensure a long service life.
- A special water distribution system spreads water over the surface of the pad, ensuring a uniform supply of water to keep the entire air contact surface thoroughly wetted.
- Fans create a negative pressure, causing air to be drawn through the pads. Evaporation results from contact between air and water.
- A control system operates the water pump and the fan distributes the cool air. The relative humidity is lowest in the afternoon when the temperature is at its highest.

Figure/Photograph

How EVAPORATIVE COOLING works



How Evaporative Cooling Works



Its Application

- Central cooler plant to central lies cooling effect provide to building, restaurants, hotels, school, home, commercial complex etc. using cooling to very low energy uses and high effect central cooler plant.

Contact Number of Students

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Project Guide Name

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