

AMC of cooling towers

cross flow – counter flow

FRP, steel, pultruded FRP, RCC towers

AMC purpose

A regular monitoring and maintenance program is essential to ensure the proper functioning of any cooling system.

If you do not have a trained cooling system operator on staff, call us you should obtain the services of a system expert (a reputable cooling systems service vendor, an Operation and Maintenance Engineer, or an experienced specialist) to monitor and maintain your systems.

The annual maintenance contract offers onsite and offsite maintenance contract. The type of contract depends on the type of industry. In an onsite AMC the technician or the skilled personnel would come and inspect the situation. They will replace or repair the required parts at the earliest so that it does not cause much hindrance towards the production or construction process. In similar way the industries can enjoy the peace of mind with firm cost for the firm period of time.

AMC feature

- › Inspection by qualified experience PCTPL technicians.
- › Cooling tower maintenance and repair will be coordinated with plant schedules.
- › Our crews will have completed all required site.
- › PCTPL suggest for specific replacement parts over the duration of the contract.

AMC benefits

When an AMC is done between the user and the PCTPL, the user can enjoy quite a few benefits of the contract. There are:

- › Excellent service and support at much lower cost.
- › It is hassle free as you don't need to hunt for a repair and maintenance every time.
- › The contract ensures that you avail support from experienced and expert technicians who can handle cross platform environment.
- › The spares as well as the service come at a discounted rate as & when required.
- › Sometimes the AMC include conditions where certain parts will be replaced free of cost.
- › The total maintenance cost for one year becomes quite low when you sign an AMC.
- › You need not to have a separate team of heavily paid staff for full/part time.
- › Facility of relocating funds or budget in order to meet up with business requirements.
- › Minimize long term capital expenses.
- › Ensures consistent, optimum performance.
- › Eliminates budgeting work.
- › Work is performed by experienced cooling tower technicians.
- › Proactive approach – potential problems are identified before failure

We have links with the major manufacturers who are in to the manufacturing of the cooling tower components & thus can make available all type of critical components in short notice.

Frequency: Semi yearly

Availability of Persons: We are keeping a team of experience persons who will be available within 24 hrs notice to attend & fix any type of problem. An experienced engineer or a technician will attend the site and he ensures the proper functioning of the system.

Free replacement or service:

Description	Condition
Nozzle	Maximum 15 Nos
Zink coating	Maximum 200 ml single cote
Hardware	Where ever necessary (Limit to 15 No's)
FRP coating	If FRP parts creaks (Limit to 2 kg)
Parts installation	One time installation in year of specific parts if obtained from PCTPL.

description

Visual inspection

Check the casing, basin, flanges joints, rigger seals, structure corrosion and decay, Welded joints, water leakages, cracks, valves etc.

Thermal fragments Inspection

Check the Nozzles, sprinklers, water distribution pipes, fill media and drift eliminators.

Mechanical Inspection

Check the all mechanical or moving parts like fan, gearbox, motor, driveshaft, bearings pulleys, belts etc.

Specific task

Remove dust, scale, and algae from the fill, basin, and distribution spray nozzles to maintain proper water flow. All cracks, holes, gaps, and door access panels should be properly sealed. The protective zinc coating on galvanized steel towers. Checking of electrical panels, wire etc.

Recommended spare parts list

It is recommended that the customer maintain an inventory of tower spare parts to minimize equipment downtime. The recommended minimum inventory for most applications is presented in the table below.

Parts	Single Cell Installation	Multiple cell installation
Fans	1	1 for every 3 cell
Motor	1	1 for every 3 cell
Gear Box	1	1 for every 4 cell
Float Valve	1	1 for every 2 cell

- › Proper inspection door available to confirm internal inspection (Fill water distribution, drift eliminator, Nozzle etc.
- › The program duration of maximum of 2 days at a site.
- › Purchasing of parts in your scope we will install the standard parts as mutually agreed of both the parties at the time of AMC.

We can customize this service offer with or without existing mechanical equipment's.

our products are known for their advanced design
and premium quality

your water, power, time and cost saving solutions