

**PRE-COMMISSIONING CHECKLIST**

**PROJECT NAME:** ..... **JOB NO:** .....

**SYSTEM/ZONE:** .....

**CONTRACTOR:** .....

**COOLING TOWER**

<b>SYSTEM</b>	<b>ITEM/TASK</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
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**UNIT CHECK**

- Visual inspection, no apparent damage
- Vibration isolators installed and shipping restraints removed
- Cooling tower levelled and seismic restraints installed
- Tower basin strainers cleaned and sump filled
- Cooling tower over flow installed and piped to sewer
- Fan rotates freely, belts and blade pitch adjusted (where applicable)
- Spray nozzle cleaned and adjusted
- Fan inlet screens free of debris

**PIPEWORK**

- Pipework, associated valves and test points installed
- Pipework adequately supported
- All N/O valves are open, all N/C valves are closed
- Pipework flushing and chemical treatment complete
- Chemical dosing regime in place
- Distribution header balanced
- Pressure gauges, thermometers, sensors and test points installed
- Basin quick fill and makeup float valve installed and set correctly

**ELECTRICAL**

- Local isolator installed in accessible position
- All power and control wiring correctly installed as per schematic
- All connections tight
- Cooling tower fans energised, rotation and vibration checked
- VSD programmed and integrated with BMS
- Controls point to point checks completed

**OTHERS**

- Adequate space around towers to prevent short circuiting
- Condenser water pumps operational and tested
- Condenser water system complete including pipework, valves, pumps, chiller connections etc.

**COMMENTS**


**COMPLETION**

Signed ..... Date .....