



Kempegowda International
Airport
Devanahalli, Bengaluru.



Maintenance Checklist - Cooling Towers.

DATE: 2024-08-02

EQUIPMENT TAG NO: CUP-L2-2C-11-HVAC-COT-001-002

TYPE OF MAINTENANCE: quarterly

S.No	ACTIVITIES TO BE CARRIED OUT	STATUS
1.	Check the condition of the float valve in CT sump	NC
2.	Check for any water leakage, noise or vibration in the CT	NC
3.	Check the physical condition of the fan guard and adjust if required	NC
4.	Check the condition of the fills & adjust	NC
5.	Check for any silt deposit on the CT basin & clean if required	NC
6.	Check the condition of the V-belt & Alignment with Prime mover	NC
7.	Greasing of all moving parts & Top up Gear box Oil if required.	NC
8.	Check the Condition & working of Butterfly valves.	NC
9.	Check for Biological growth like algae etc in the sump & if any Clean the sump	NC
10.	Check the Temperature of Motor Casing	NC
11.	Check for abnormal noise, vibration or burning smell from the motor	NC
12.	Check & ensure the Direction of rotation of 3 phase Motors	C
13.	Measure & Record the Full load amps of the Motor	C


S.No	ACTIVITIES TO BE CARRIED OUT	STATUS
14.	Check for the Tightness of the Motor Foundation Bolts	C
15.	Measure the performance and efficiency of the cooling tower	C
16.	Clean the Sump of the CT using water & approved Chemcials	C
17.	Check the Body Earthing of the motor	C
18.	Inspection for loose connections in the Motor Terminal	C
19.	Inlet Water Temp: Deg. C	
20.	Outlet Water Temp: Deg. C	4
21.	Ambient Temperature - Dry Bulb (DBT)	4
22.	Wet Bulb (WBT)	4
23.	Approach	4
24.	Range	4
25.	Efficiency	

Technician's Name:

Shift Supervisor Name:

Shift Incharge Name:

1. sanjai
2. bruno
- 3.
- 4.

 BlueStar
Logo




Technician's Sign

Shift Supervisor's Sign

Shift Incharge Sign