

## **Method Statement – Installation of Chillers**

### **1.0 Scope:**

1.1 This method statement applies to MEP CONTRACTOR's scope in installation of Chillers as per the Specification

### **2.0 Purpose:**

2.1 Purpose of this method statement is to outline the method of carrying out installation of Chillers.

2.1.1 Coordinating the installation of Chillers as per approval shop drawings.

2.1.2 Chiller inlet / outlet connections for chilled water, and electrical connections as per approved drawing.

### **3.0 Equipment:**

3.1 Chillers.

### **4.0 Method:**

#### ***4.1 Receiving:***

4.1.1 On arrival at site, receiving and unloading of chiller shall be done.

4.1.2 Inspection shall be done by the consultant and MEP CONTRACTOR QC Engineer on approved submittal which covers, but not limited to the following.

4.1.2.1 Physical damages if any.

4.1.2.2 Model number / type

4.1.2.3 Capacity

4.1.2.4 Provision of hoisting arrangement in Chillers

4.1.2.5 Orientation of piping connections

4.1.2.6 Spring isolators

4.1.3 Upon satisfactory inspection the chillers shall be cleared for installation.

#### ***4.2 Preparation:***

4.2.1 Check the chiller foundation, and ensure it is as per approved drawing.

4.2.2 Check the area around the foundation and ensure access to the chillers from all sides.

4.2.3 The foundation surface shall be even and clean.

4.2.4 Mark the location for spring isolators' position on the foundation as per approved drawings.

4.2.5 Place the springs in position as per the above markings.

#### **4.3 Hoisting and Shifting:**

4.3.1 The hoisting and shifting of chillers shall be done.

4.3.2 MEP CONTRACTOR shall coordinate with the hoisting agency to ensure the following.

4.3.2.1 Chilled water piping connection orientation are as per approved drawings.

4.3.2.2 Chillers are placed correctly on the foundation with spring isolators at right location.

4.3.3 Chillers shall be inspected again for any damage during hoisting / shifting.

4.3.4 Upon satisfactory positioning of chillers any open water inlets / outlets of chillers shall be closed properly and area shall be cleaned.

#### **5.0 Inspections:**

5.1 Inspection request shall be raised for Consultants inspection.

5.2 Chiller supplier shall inspect the installation and certify the same.

#### **6.0 Safety:**

6.1 All safety precautions shall be followed as per established project safety plan and procedure.

6.2 Only experienced and skilled technicians shall be engaged for carrying out chiller installation work.

6.3 The people involved in the installation work shall use PPE such as safety helmets, safety shoes, harness, hand gloves etc. as required.

6.4 Safety Officer shall check and ensure that all safety precautions are followed.

#### **7.0 References:**

7.1 Manufacturers catalogue

7.2 Approved Material submittals

7.3 Approved Shop drawings.

7.4 Project Specificationn

**8.0 Records:**

- 8.1 Inspection Request duly signed by consultants
- 8.2 Chiller Supplier's installation certificate