1. **PURPOSE:**

To describe a procedure for operation of Chilling plant.

1. **SCOPE:**

This procedure is applicable to operation of Chilling plant at Discovery Laboratories Pvt. Ltd.

1. **RESPONSIBILITY:**
   1. **Electrician**

Is the responsible to operate Chilling plant

* 1. **Engineer:**

Is responsible to monitor the activity

1. **Definitions: Nil**
2. **PROCEDURE :**
   1. Ensure that the RT water circulation is available to condenser
   2. Ensure that the Brine solution level in brine storage tank
   3. Check the specific gravity of Brine solution.
   4. Open the inlet and outlet valves of condenser and chiller respectively.
   5. Ensure that the Freon gas in the compressor by checking the suction pressure
   6. Check the oil level in the compressor if require make up oil
   7. Switch on the condenser pump, chiller pump and check the pressure across the condenser and chiller. (Pressure should be 1.5 to 2 kg/cm2 )
   8. Open the discharge and suction valves of the compressor.
   9. Switch on the compressor main switch.
   10. Check the suction, discharge and oil pressure of the compressor.
   11. Whenever the brine reaches required temperature start the secondary pump and give it to the process.
3. **Formats / annexure(S): nIL**
4. **Change History:**

| **Revision No.** | **Effective Date** | **Details of Revision** | **Ref. CCF No.** | **Remarks** |
| --- | --- | --- | --- | --- |
| 00 | 01.01.2017 | New SOP | ED-CRF- 006/16 | --- |
| 01 | 17.08.2017 | 1. SOP format changed in line with SOP-QA-001-05. | CCF/GEN/17007 | **--** |