Title: Operation of Air Handling Units

SOP No.:		**Revision No.:**	00
Effective Date:		**Supersedes No.**	Nil
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1.0   OBJECTIVE

1.1   To describe a procedure for the operation of air handling units.

2.0   SCOPE

2.1   This procedure applies to the Engineering department.

3.0   RESPONSIBILITY

3.1   Engineering

4.0   ACCOUNTABILITY

4.1   Plant head

5.0   REFERENCE (S)

5.1   In-house.

6.0   PROCEDURE

6.1   **STARTING PROCEDURE**
6.1.1   Switch ON the power supply to main panel.
6.1.2   Check the position of V-Belts.
6.1.3   Check the motor connections.
6.1.4   Check for the dampers in PRESET position.
6.1.5   Open the chilled water and hot water supply and return valves manually.
6.1.6   Start the AHU from the START push button.
6.1.7   Take readings of the Air handling unit twice in sift as per annexure no- 1

6. 2   **STOPPING PROCEDURE**
6.2.1   Turn OFF the Air handling unit from panel switch.
6.2.2   Close the chilled water/hot water supply/return valves.

7.0   HISTORY

7.1   Details are given below.

SOP No.	REASON FOR CHANGE	EFFECTIVE DATE

8.0   ABBREVIATIONS: The abbreviations used in the SOP are:
8.1   SOP   - Standard Operating Procedure
8.2   No.   - Number
8.3   AHU   - Air handling unit
8.4   QA   - Quality Assurance

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ANNEXURE -I

AIR HANDLING UNITS

S.No.	DATE	TIME	AHU No.	CHILLED WATER			
				INLET		OUTLET	
				TEMP	PRESSURE	TEMP	PRESSURE
				Limit (6-10) °C	Limit (0.5-1.5) Kg/cm²	Limit (10-16) °C	Limit (0.5-1.5) Kg/cm²

HOT WATER				MANO-METER READING ACROSS HEPA FILTER	DAMPER POSITION	DONE BY	CHECKED BY
INLET		OUTLET					
TEMP	PRESSURE	TEMP	PRESSURE				
Limit (30-40) °C	Limit (0.5-1.5) Kg/cm²	Limit (25-35) °C	Limit (0.5-1.5) Kg/cm²	Limit (20-60) mm of wg			

Checked by: Remarks:
Done by: