



Title: Operation of Chilled Water Plant

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 chilled water plant.

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 Procedure of prestart check up:

6.1.1 Check for any gas leakages at all points.

6.1.2 Check for water in cooling tower.

6.2 Procedure of starting of machine:

6.2.1 Switch on the power supply.

6.2.2 Inch the chilled water pump and check the direction of rotation. If proper Switch on the pump.

6.2.3 Inch the same for cooling tower fan and then switch on the cooling fan.

6.2.4 Start the chiller after all the above starts in proper function.

6.2.5 Check & record the observations as per Annexure-1.

6.3 Procedure of closing down the machine:

6.3.1 While switching off the chiller first of all switch off the chiller and subsequently the cooling tower fan and rest of pumps.

6.3.2 Switch off the main switches from the panel.

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 as follows:

8.1 SOP - Standard Operating Procedure

8.2 No. - Number



PHARMA DEVILS

ENGINEERING DEPARTMENT

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ANNEXURE - I

CHILLER OPERATING LOG BOOK

S.No.	Date	Start Time	Stop Time	Operational hour	Suction temp	Discharge temp	Chilled water temp

Suction pressure	Discharge pressure	Oil pressure	Net oil pressure	Voltage			Amperes		
				RY	YB	RB	RY	YB	RB

Prepared by

Checked by