



Title: Operation of Cooling Tower

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
Review Date:		Page No.	1 of 1

1.0 OBJECTIVE

1.1 To lay down a procedure for the operation of cooling tower.

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 Check water level. If the level of the water is less then open the make-up valve MV-1.
- 6.1.2 Check cooling tower inlet valve v-1 and outlet valve v-2.if closed then open it.
- 6.1.3 Check the blades of the fan it should be free to rotate.
- 6.1.4 Switch on condenser pump from the main panel.
- 6.1.5 Check the distribution of water, it should be uniform .If it is not uniform check all the spray nozzles.
- 6.1.6 Turn-on the fan of cooling tower.

6.2 STOPPING PROCEDURE

- 6.2.1 Turn –off the cooling tower fan.
- 6.2.2 Turn OFF the condenser pump.
- 6.2.3 Switch OFF the main power supply

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