



PHARMA DEVILS

Title: Operation of Boiler

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
Review Date:		Page No.	1 of 3

1.0 OBJECTIVE

To describe a procedure for the Operation of Boiler.

2.0 SCOPE

This procedure applies to the Engineering department.

3.0 RESPONSIBILITY

Engineering

4.0 ACCOUNTABILITY

Plant head

5.0 REFERENCE (S)

In-house

6.0 PROCEDURE

6.1 Prestart check are as follows:

- 6.1.1 Check the soft water level in the feed day tanks.
- 6.1.2 Check the fuel level in the oil day tank.
- 6.1.3 Open the valves of steam trap bypass valve.
- 6.1.4 Open the steam by pass drain valve.
- 6.1.5 Check the electrical connections.

6.2 Starting the boiler:

- 6.2.1 Open the fuel valve.
- 6.2.2 Inch the pump & check the direction of the reciprocating pump.
- 6.2.3 Set the required steam.
- 6.2.4 Start the boiler.
- 6.2.5 Now fire the boiler by switching ON the ignition push button in the panel.
- 6.2.6 After reaching the pressure of 2 to 2.5 kg / sq.cm in the tank, blow down the boiler.
- 6.2.7 Open the main steam valve.
- 6.2.8 Close the drain steam valve.
- 6.2.9 Check for any leakages for steam & water from valves, pipe joints.
- 6.2.10 Maintain the steam pressure between 7 kg/cm² to 8.0 kg/cm².
- 6.2.11 Check & record the observations as per Format No.

6.3 Shutting down the boiler:

- 6.3.1 Switch off the boiler.
- 6.3.2 Wait till steam pressure reduces to zero.
- 6.3.3 Close the main steam valve.

7.0 HISTORY

Details are given below

SOP No.	REASON FOR CHANGE	EFFECTIVE DATE
	Temp and Pressure limits included in the sop	
	Periodic Review	



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8.0 ABBREVIATIONS: The abbreviations used in the SOP are as follows:

- SOP - Standard Operating Procedure
- No. - Number
- QA - Quality Assurance



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ANNEXURE -I BOILER

WATER METER READING

START MIN
STOP MIN
USED LIT.

FUEL TANK LEVEL

START MIN
STOP MIN
USED LIT.

DATE:		SHIFT:		START TIME:		STOP TIME:		
S.No.	TIME	FUEL		STEAM		BLOW DOWN TIME	DONE BY	REMARKS
		TEMP (20-25) °c	PRESSURE (10-12) Kg/cm ²	TEMP (165-170) °C	PRESSURE (7-8) Kg/cm ²			

Prepared by:

Checked by: