



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering	SOP No.:
Title: Operation of Pure Steam Generator	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 Revision History

Rev. No.	Details of changes	Reason for change
00	NIL	NEW SOP

2.0 Objective

The purpose of this SOP is:

- 2.1 To describe the procedure for Operation of Pure Steam Generator (PSG).

3.0 Scope

- 3.1 This SOP is applicable for the procedure for Operation of Pure Steam Generator (PSG)

4.0 RESPONSIBILITY:

- 4.1 The Maintenance Operator shall be responsible:

- 4.1.1 Responsible for operation of Pure Steam Generator.
- 4.1.2 Responsible for record the operational data's in the performance log sheet.

- 4.2 The Maintenance Engineer shall be responsible:

- 4.2.1 Responsible for assurance of proper working of the plant.
- 4.2.2 Responsible for take corrective action if any operational deviation observed.

5.0 Accountability

Head –Engineering Services



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6.0 PROCEDURE:

6.1 PRIMARY CHECKS:

- 6.1.1 Ensure that air inlet valve is open and air pressure is 6.0 kg/cm² (Kilogram Per Centimeter Square).
- 6.1.2 Ensure that steam inlet valve is open and steam pressure is 5.0 kg/cm².
- 6.1.3 Ensure that water level in the feed water storage tank is full and the delivery valve is open.

6.2 STARTING PROCEDURE:

- 6.2.1 Switch 'ON' the switch.
- 6.2.2 MMI F2 User Name Enter.
- 6.2.3 MMI F3 User password Enter.
- 6.2.4 MMI F8 button press the process start.

6.3 STOPPING PROCEDURE:

- 6.3.1 MMI F8 button press the process stop.
- 6.3.2 MMI F1 button main menu and F3 log out.
- 6.3.3 Close the feed water inlet valve.
- 6.3.4 Drain out the water from the column by opening the drain valve.
- 6.3.5 Close the drain valve.

7.0 ANNEXURES:

Annexure –I : Performance Log sheet of pure steam generation plant.

8.0 REFERENCES (S)

Nil

9.0 GLOSSARY



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SOP : Standard Operating procedure

No : Number

Kg/cm² : Kilogram / Centemeter².

PSG : Pure Steam Generator.



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Annexure-01

Performance Log sheet of pure steam generation plant.

Time (Hrs)	Raw steam inlet pressure (kg/cm ²)		Feed water flow Liters per hrs.	Feed water Conductivity (µs/cm)	Pure steam outlet pressure (kg/cm ²)	Pure steam temperature (°C)	Pure steam Conductivity (µs/cm)	Remarks	Operators sign.
	pressure	Temp.							

ACCEPTANCE CRITERIA

Raw steam inlet pressure	Pure steam outlet pressure	Feed Water Conductivity	Pure steam temperature	Feed water flow	Pure steam Conductivity
3 - 6kg/cm ²	NLT 3 kg/cm ²	NMT 1.3 µs/cm	NLT 135°C	NLT 500 LTS./HRS.	NMT 1 µs/cm

Signature of Engineer: