PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE	
Department: Engineering	**SOP No.:**
Title: Operation of Air Dryer	**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 objective of this SOP is:

2.1 To describe the procedure for operation of Air Dryer.

2.2 To describe the procedure for monitoring of dew point temperature of the compressed air.

3.0 SCOPE

3.1 This SOP is applicable for the operation of Air Dryer at .

3.2 The Maintenance Operator shall be responsible for:

3.2.1 The operation of Air Dryer.

3.2.2 Maintaining the record of dew point temperature.

3.2.3 Reporting of deviations observed, if any.

3.3 The Maintenance Engineer shall be responsible for:

3.3.1 The checking the record of dew point temperature.

3.3.2 Handling of deviations, if any.

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4.0 ACCOUNTABILITY

Head –Engineering Services.

5.0 PROCEDURE:

5.1 STARTING PROCEDURE:

5.1.1 Ensure that the air outlet valve going to the production area is closed.

Open the drain valve and air inlet valve of the air dryer.

5.1.2 Start the compressor, as per Sop no.

5.1.3 Switch on the Dew Point temperature indicator.

5.1.4 Switch `On' the air dryer.

5.1.5 After getting green indication on air dryer, close the drain valve and open the air outlet Valve.

5.1.6 Monitor the dew point of the compressed air as below.

5.1.7 Dew point (Indicated temperature is a pressure dew point of the air derived at 7.0 – 8.0 Kg/cm^2) of the compressed air should be between 2.0°C to 8.0°C.

5.1.8 Air Compressor should trip, if dew point reaches to 9. 0°C.

5.1.9 His dew point temperature should be recorded after every one hours. in the attached format (Annexire-1).

5.1.10 Such report should be signed by the Utility-Engineer and to be preserved in engineering office.

5.1.11 If dew point of compressed air is too high, following action to be taken.

5.1.12 Check that the `Power-on' switch is glowing.

5.1.13 Check the drain valve operation.

5.1.14 Check the compressor of air dryer for proper operation. If found not working, carry out the maintenance as per SOP No.

5.2 STOPPING PROCEDURE:

5.2.1 Stop the air compressor, as per Sop no.

5.2.2 Close the air inlet and outlet valves.

5.2.3 Switch `Off' the air dryer.

5.2.4 Switch of the Dew Point indicator.

5.2.5 Drain the condensate through drain valve of air dryer.

6.0 ANNEXURES:

Annexure-I : Dew Point Temperature record though manual recording.

8.0 References (S)

NIL.

9.0 Glossary

SOP	:	Standard Operating procedure
No	:	Number
PV	:	Process Value
FDV	:	Flow Diverting Valve

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ANNEXURE-I

Dew Point Temperature record though manual recording

DATE:

TIME	DEW POINT TEMPERATURE (Degrees Centigrade)	CHECKED BY

CHECKED BY: _____

(ENGINEER)