



# PHARMA DEVILS

## ENGINEERING DEPARTMENT

### STANDARD OPERATING PROCEDURE

<b>Department:</b> Engineering	<b>SOP No.:</b>
<b>Title:</b> Testing Record of Earthing and Earthing Pit Earth Continuity	<b>Effective Date:</b>
<b>Supersedes:</b> Nil	<b>Review Date:</b>
<b>Issue Date:</b>	<b>Page No.:</b>

#### 1.0 PURPOSE

1.1 To define a procedure for the Testing / Record of Earthing and Earthing Pit/Earth Continuity.

#### 2.0 SCOPE

2.1 This SOP is applicable for the Testing / Record of Earthing and Earthing Pit/Earth Continuity at.....

#### 3.0 REFERENCE(S) & ATTACHMENTS

##### 3.1 References

3.1.1 In-house.

##### 3.2 Attachments

3.2.1 Attachment-I: Record of checking of Earth continuity of equipments.

#### 4.0 DEFINITION & ABBREVIATION(S)

##### 4.1 Definitions

4.1.1 Nil

##### 4.2 Abbreviations

4.2.1 NA : Not Applicable.

4.2.2 ID No. : Identity Number.

4.2.3 CC : Change Control.

4.2.4 Sl. No. : Serial Number.

4.2.5 SOP : Standard Operating Procedure.

#### 5.0 RESPONSIBILITY:

##### 5.1 Engineering Person:

5.1.1 To follow the procedure defined in the SOP for the Testing / Record of Earthing and Earthing Pit/Earth Continuity.

##### 5.2 Engineering Head:

5.2.1 To ensure that the Testing / Record of Earthing and Earthing Pit/Earth Continuity is done according to the procedure defined in the SOP.



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#### 5.3 Quality Assurance Head:

5.3.1 To ensure implementation of the defined procedure.

#### 5.4 Plant Head:

5.4.1 To ensure implementation of the defined procedure.

#### 6.0 Distribution:

- I. Quality Assurance
- II. Engineering

#### 7.0 PROCEDURE:

##### 7.1 Checking of earthing continuity

7.1.1 Check the earth conductor for any damage if found rectify the same.

7.1.2 Check the conditions of nuts and bolts if found rusted replace the same.

7.1.3 Check the earthing wires and lugs replace if required.

7.1.4 Take a multimeter and set the selector switch on continuity mode.

7.1.5 Take two testing cords and connect one end of each chord to multimeter.

7.1.6 Connect the other ends of cord between the equipment and main earthing strip.

7.1.7 If continuity indication is displayed on the multimeter and a buzzer sound is heard then earthing continuity is satisfactory.

7.1.8 **Frequency: 6<sup>th</sup> Month's.**

7.1.9 Record observations as per Attachment-I.

#### 8.0 REVISION HISTORY

Version No.	00	Effective Date	
Details of revision: New SOP Prepared			



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#### Attachment-I

### RECORD OF CHECKING OF EARTH CONTINUITY OF EQUIPMENTS

S. No.	Name of Equipment / code	Continuity Buzzer OK / Not OK	Done By Sign&Date	Done On	Due On

Checked By: \_\_\_\_\_  
Sign&Date