



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering	SOP No.:
Title: Noise Level Measurement	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 PURPOSE

- 1.1 To define a procedure for the Noise level measurement.

2.0 SCOPE

- 2.1 This SOP is applicable for the noise level measurement at.....

3.0 REFERENCE(S) & ATTACHMENTS

3.1 References

- 3.1.1 In-house.

3.2 Attachments

- 3.2.1 Attachment-I: Log sheet for Noise level measurement.

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 Noise level measurement.

5.2 Engineering Head:

- 5.2.1 To ensure that the Noise level measurement 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 Ensure that the Noise Meter calibrated and traceability certificate is available.

7.2 Check battery of noise meter.

7.3 Switch ON the sound level meter by sliding the Power ON/OFF/HOLD SWITCH to 1 position.

7.4 Determine proper measuring range by selecting the range switch, it should show the dB range.

7.5 Keep the Noise meter 1 meter away from the machine or area.

7.6 Freeze the display value by sliding the power ON/OFF/HOLD SWITCH TO HOLD position and record the reading in decibel.

7.7 Take minimum three reading of measurement.

7.8 Put off the sound level meter by sliding the Power ON/OFF/HOLD SWITCH to 0 position.

7.9 Remove accessories or battery from the instrument.

7.10 Frequency: During equipment /system qualification, Validation and scheduled verification of equipments.

7.1 Note: 1. Acceptable sound level of human ear for maximum time of 8 hours per day in 80 dB.

7.12. If exposure is greater than 115 dB than use appropriate personal protective equipments.

7.13 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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ANNEXURE I LOG SHEET FOR NOISE LEVEL MEASUREMENT

DATE:

Area:

Sound Level Reading	Acceptance Criteria	Actual reading (dB)	Remark
Reading -1			
Reading -2			
Reading -3			

Conclusion: the equipment /system is verified /tested as per standard procedure and complies /does not complies with acceptance criteria.

Tested By: _____
(Engineering)

Checked By: _____
(Department Head)

Verified By: _____
(Quality Assurance)