



PHARMA DEVILS

ENGINEERING DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Engineering	SOP No.:
Title: Cleaning of Wet Scrubber	Effective Date:
Supersedes: Nil	Review Date:
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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 to describe the procedure for cleaning of Wet Scrubber. To ensure Proper maintenance of Wet Scrubber.

3.0 SCOPE

This SOP is to describe the procedure for cleaning of Wet Scrubber.

4.0 RESPONSIBILITY

4.1 The Operator shall be:

4.1.1 Responsible for cleaning of Wet Scrubber.

4.1.2 Responsible to maintain the cleaning record.

4.2 The Engineer shall be:

4.2.1 Responsible for assurance of proper cleaning.

4.2.2 Corrective action for any deviation.

5.0 ACCOUNTABILITY

Head –Engineering Services

6.0 PROCEDURE:

6.1 Switch `Off` the power supply.



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6.2 A person carrying out Wet Scrubber cleaning should wear the following apparel.

6.2.1 Nose mask.

6.2.2 Rubber hand gloves.

6.3 Open the inspection door of Wet Scrubber.

6.4 Clean the inner side, using nylon scrubber.

6.5 Close the inspection door.

6.6 Fill up the scrubber sump with 2% (w/v) Sodium Hydroxide solution with water.

6.7 Switch 'On' the circulation pump and let it run for 10 – 15 minutes.

6.8 Switch 'off' the circulation pump.

6.9 Drain out the collected solution, which goes to the Effluent Treatment plant.

6.10 Fill up the scrubber sump with fresh water.

6.11 Switch 'On' the circulation pump and let it run for 10 – 15 minutes.

6.12 Switch 'off' the circulation pump.

6.13 Drain out the water.

6.14 Fill up the sump with fresh water.

6.15 Check the gasket of inspection door for any damage. Replace it, if required.

6.16 Switch on the power supply.

6.17 Switch 'On' the Wet Scrubber.

6.18 Check for any leakage. Rectify it, if required.

6.19 Maintain the record of cleaning in attached format. (Annexure-1)

6.20 FREQUENCY:



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6.20.1 All Wet Scrubber are to be cleaned fifteen day.

7.0 Annexure

Annexure-I : Wet Scrubber Cleaning Record.

8.0 References (S)

NIL

9.0 Glossary

SOP : Standard Operating procedure

No : Number



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ANNEXURE-I Wet Scrubber Cleaning Record

AREA: _____

MONTH: _____

S. No.	Wet Scrubber Code	Location	Cleaned on	Next due on	Done by

CHECKED BY:
(ENGINEER)

VERIFIED BY:
(CONCERNED DEPARTMENT)

FREQUENCY: WET SCRUBBER TO BE CLEANED ONCE IN A MONTH.

CAUTION: BEFORE CARRYING OUT WET SCRUBBER CLEANING, SWITCH 'OFF' THE WET SCRUBBER AND DISPLAY THE 'UNDER MAINTENANCE' BOARD.