

Title: Cleaning of LAF Filter

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#### **1.0 OBJECTIVE:**

To lay down a Procedure for Cleaning of LAF Filter.

#### **2.0 SCOPE:**

This SOP is applicable for Cleaning of LAF Filter at .....

#### **3.0 RESPONSIBILITY:**

Executive/Officer- Engineering

#### 4.0 ACCOUNTABILITY:

Department Head:-Approval, Ensure Training and Implementation of this SOPs.

#### 5.0 **DEFINITION:**

Not Applicable

#### 6.0 **PROCEDURE**:

- **6.1** For cleaning of the Filter switch off the LAF Unit and display the 'Filter under Cleaning' board.
- 6.2 A person carrying out the Filter cleaning activity shall wear following apparel.6.2.1 Clean suit (Dangri).

6.2.2 Nose mask

6.2.3 Hand gloves

- 6.3 Open the S.S Grill of filter plenum, if applicable.
- **6.4** Remove the Filter and put it into the polythene bag.
- 6.5 Close the S.S Grill of filter plenum.
- **6.6** Take the Filters to 'Washing' area.
- **6.7** Take out the Filter from polythene bag and place it in the reverse position on filter cleaning station.
- **6.8** Open the water value and clean the Filter with soft water at 1.5 to  $2 \text{ kg/ cm}^2$  pressure.
- **6.9** Close the 'soft water' valve.



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- 6.10 Open the compressed air and dry the filter with filtered compressed air at 2 to 3 kg/ cm<sup>2</sup> Pressure.
- **6.11** Close the compressed air valve.
- **6.12** Change the filter if found damage and record the details of Filter replacement in Format No. SOP/EN/045/F01 as per SOP. In case of damage of Gasket replace the gasket.
- 6.13 Put the filter into fresh polythene bag.
- 6.14 Clean the washing area using fresh water.
- **6.15** Open the S. S Grill or remove the cover of filter cone, as applicable and wipe the filter plenum and blower using dry and clean duster.
- **6.16** Fix back the filter plenum.
- 6.17 Close the S.S Grill
- 6.18 Maintain the cleaning record of LAF filter as per Annexure-I.
- 6.19 Frequency:- Weekly & Whenever required

#### 7.0 ABBREVIATIONS:

No.	Number
QA	Quality Assurance
SOP	Standard Operating Procedure
EN	Engineering
LAF	Laminar Air Flow

#### 8.0 ANNEXURES:

ANNEXURE No.	TITLE OF ANNEXURE	FORMAT No.
Annexure-I	LAF Filter Cleaning Record	

#### 9.0 **DISTRIBUTION:**

•	Master Copy	Quality Assurance Department.
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• Controlled Copy No. 01 Engineering Department.

#### **10.0 REFERENCES:**

In-House



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### **11.0 REVISION HISTORY:**

Revision No.	Change Control No.	Details of Changes	Reason of Changes	Effective Date	Done By
00	Not Applicable	Not Applicable	New SOP		



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#### ANNEXURE-1

### LAF FILTER CLEANING RECORD

#### LAF FILTER CLEANING RECORD FOR THE MONTH OF \_\_\_\_\_

		Date:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
S.No.	ID	LOCATION															
		DONE BY/SIG:															
																	<u> </u>



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		Date:	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
S.No.	I D	LOCATION																
		DONE BY/SIG:																

Done By:

Checked By: