



STANDARD OPERATING PROCEDURE

Department: Engineering

TITLE: Specifications of UV Lamps

SOP No.		Revision No.	
Effective Date		Supersedes No.	
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1. OBJECTIVE:

1.1 The Objective of this SOP is to provide the Specifications of Ultra Violet (UV) Lamps being used for air and purified water disinfections.

2. SCOPE:

2.1 This SOP is applicable for the provide the Specifications of Ultra Violet (UV) Lamps being used For Air and purified water disinfections.

3. RESPONSIBILITY:

4.1 The Maintenance Engineer shall be:

4.1.1 Responsible for ensuring the specification at the time of new order.

4.1.2 Responsible to ensure the compliance of Specifications at the time of receipt.

4. ACCOUNTABILITY:

Head –Engineering Services

5. PROCEDURE:

5.1 Following are the specifications UV lamp being used for purified water distribution.

- 5.1.1** Model :
- 5.1.2** Lamp Wattage : 39.5 W (Watt)
- 5.1.3** Lamp Current : 425 mA (Mili Ampere)
- 5.1.4** Lamp operating voltage : 190-240 volt
- 5.1.5** Tube length : 843±1.3 mm (Millimeter)
- 5.1.6** Tube diameter : 16±1.2 mm.
- 5.1.7** Spectral peak : 253.7 nano meter
- 5.1.8** UV Output : 13.7W
- 5.1.9** UV. Micro Watts : 140.0µW/cm² (Watt Per Centimeter Square) (at1m)
- 5.1.10** Average Life : 9000 hours
- 5.1.11** Operating Voltage :190-240Volt

5.2 Following are the specifications UV lamp being used for Pass box.

- 5.2.1** Model : G15T8
- 5.2.2** Lamp Wattage : 14.7 W (Watt)



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- 5.2.3 Lamp Current : 300(Mili Ampere)
- 5.2.4 Lamp operating voltage : 190-240 volt
- 5.2.5 Tube length : 436.0±1.3 mm (Millimeter)
- 5.2.6 Tube diameter : 25.5±1.2 mm.
- 5.2.7 UV Output : 4.8W
- 5.2.8 UV. Micro Watts : 49.0μW/cm² (Watt Per Centimeter Square) (at1m)
- 5.2.9 Average Life : 8000 hours
- 5.2.10 Operating Voltage :190-240Volt
- 5.2.11 Spectral peak : 253.7 nano meter

5.3 Following are the specifications UV lamp being used for Garment Cubicle.

- 5.3.1 Model : G30T8
- 5.3.2 Lamp Wattage : 30.5 W (Watt)
- 5.3.3 Lamp Current : 355 mA (Mili Ampere)
- 5.3.4 Lamp operating voltage : 190-240 volt
- 5.3.5 Tube length : 893±1.3 mm (Millimeter)
- 5.3.6 Tube diameter : 25.5±1.2 mm.
- 5.3.7 UV Output : 11.6W
- 5.3.8 UV. Micro Watts : 117.0μW/cm² (Watt Per Centimeter Square) (at1m)
- 5.3.9 Average Life : 8000 hours
- 5.3.10 Operating Voltage :190-240Volt
- 5.3.11 Spectral peak : 253.7 nano meter

7.0 ANNEXURES:

NIL

8.0 References (S)

NIL

9.0 Glossary

- No. : Number
- UV : Ultra Violet