



STANDARD OPERATING PROCEDURE

Department: Engineering

Title: Specifications of UV Lamps

SOP No.		Revision No.	
Effective Date		Supersedes No.	
Review Date		Page No.	1 of 2

1.0 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.

2.0 SCOPE:

2.1 This SOP is applicable for providing the Specifications of Ultra Violet (UV) Lamps being used for Air and Purified Water disinfections.

3.0 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.

4.0 ACCOUNTABILITY:

Head –Engineering Services

5.0 PROCEDURE:

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

- 5.1.1 Model : GPH843T5L/4P
- 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)
- 5.2.3 Lamp Current : 300 (Mili Ampere)



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Review Date		Page No.	2 of 2

- 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 : 190-240V
- 5.2.11 Spectral peak : 253.7 nm

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 : 11.6 W
- 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 : 190-240 Volt
- 5.3.11 Spectral peak : 253.7 nm

6.0 ANNEXURES:

NIL

7.0 References (S)

NIL

8.0 Glossary

SOP : Standard Operating procedure

No. : Number

UV : Ultra Violet