



CONTRACT NO. STW 01/2021

**ENVIRONMENTAL TEAM FOR
RELOCATION OF SHA TIN SEWAGE TREATMENT
WORKS TO CAVERNS – SITE PREPARATION
AND ACCESS TUNNEL CONSTRUCTION**

**BASELINE NOISE MONITORING REPORT FOR
DEMOLITION OF EXISTING SHA TIN SEWAGE
TREATMENT WORKS (STSTW)**

(REV. 1)

CLIENTS:

Drainage Services Department

PREPARED BY:

Lam Environmental Services Limited

19/F, Remex Centre,
42 Wong Chuk Hang Road,
H.K.

Telephone: (852) 2882-3939
Facsimile: (852) 2882-3331
E-mail: info@lamenviro.com
Website: <http://www.lamenviro.com>

CERTIFIED BY:

Derek LO
Environmental Team Leader

DATE:

24 September 2021



Table of Contents

Executive Summary	3
1 Introduction	5
1.1 Background	5
1.2 Purpose of Baseline Noise Monitoring Report	5
2 NOISE MONITORING	6
2.1 Monitoring Requirements	6
2.2 Monitoring Equipment	6
2.3 Monitoring Locations	6
2.4 Monitoring Parameters, Frequency and Duration	7
2.5 Monitoring Methodology	7
2.6 Results and Observations	8
2.7 Action and Limit Levels	8
3 Comment and Conclusions	10

LIST OF FIGURES

Figure 1.1 Project Layout

Figure 2.1 Location of Baseline Noise Monitoring Stations

LIST OF APPENDIXES

Appendix A Baseline Monitoring Schedule for Noise Monitoring

Appendix B Calibration Certificates of the Monitoring Equipment

Appendix C1 Baseline Noise Monitoring Data Summary

Appendix C2 Baseline Noise Monitoring Data DM1 0700-1900

Appendix C3 Baseline Noise Monitoring Data DM1 Evening Time (1900-2300)
and Holiday (0700-1900)

Appendix C4 Baseline Noise Monitoring Data DM1 Night Time (2300-0700 of next day)

Appendix C5 Baseline Noise Monitoring Data DM2 0700-1900

Appendix C6 Baseline Noise Monitoring Data DM2 Evening Time (1900-2300)
and Holiday (0700-1900)

Appendix C7 Baseline Noise Monitoring Data DM2 Night Time (2300-0700 of next day)

Appendix D Construction Programmes of the Project

Executive Summary

- i. This is the Baseline Noise Monitoring Report to report the baseline noise monitoring findings for the Project of Relocation of Sha Tin Sewage Treatment Works to Caverns under Environmental Permit no. EP-533/2017 (Hereafter as “the Project”). The construction activities of the Project including demolition of existing structures at the Sha Tin Sewage Treatment Works (STSTW). As such, noise monitoring programme is recommended in the approved Environmental Monitoring and Audit (EM&A) Manual during the construction phases of this Project to monitor the expected noise nuisances. In order to establish the background conditions of the designated sensitive receivers prior to the commencement of the Project, a baseline noise monitoring programme is proposed for the demolition works.
- ii. The baseline noise monitoring were conducted at THREE designated noise monitoring stations for consecutive 14 days in accordance with the EM&A Manual.
- iii. The baseline noise monitoring of monitoring station CM3 - S.K.H. Ma On Shan Holy Spirit Primary School has been conducted in early stage of Contract DC/2018/05. As the DM3 and CM3 are within the same NSR at the roof top of S.K.H. Ma On Shan Holy Spirit Primary School, therefore, the baseline noise monitoring data of CM3 - S.K.H. Ma On Shan Holy Spirit Primary School is consider as valid and adopted for the DM3 - S.K.H. Ma On Shan Holy Spirit Primary School.
- iv. Due to adverse weather condition, the baseline noise monitoring on certain days were rescheduled.
- v. This report presents the baseline noise monitoring findings and information record during the period from 6 July 2021 to 22 July 2021. No demolition works under the Project were undertaken during the baseline monitoring period.

Noise Monitoring

- vi. The averaged results and Action & Limit levels of baseline noise levels are summarized as shown in **Table I to III**.

Table I Summary of Results and Action & Limit Levels of Baseline Noise Levels (0700-1900 hrs on normal week days)

Monitoring Station	Time Period	Parameter	Average	Range	Action Level	Limit Level dB(A)
DM1	0700-1900 hrs on normal weekdays	Leq, 30min	67.1	58.6 – 81.1*	When one documented complaint is received	75
DM2			64.6	54.9 – 65.1		75
DM3			64.7	62.8 – 71.5		70

Remark: Limit level of DM3 reduce to 65 dB (A) during examination periods if any.

* High noise level recorded due to dog barking during monitoring

Table II Summary of Results and Action & Limit Levels of Baseline Noise Levels (0700-1900 hrs on holidays (including Sundays); and 1900-2300 hrs on all days)



Monitoring Station	Time Period	Parameter	Average	Range	Action Level	Limit Level dB(A)
DM1	0700-1900 hrs on holidays (including Sundays); and 1900-2300 hrs on all days	Leq, 5min	64.7	61.5 – 74.0	When one documented complaint is received	60 / 65 / 70 *
DM2			65.2	59.0 – 76.2		
DM3			63.5	60.3 – 69.3		

Remark: Construction noise during restricted hours is under the control of Noise Control Ordinance and Limit Level to be selected based on Area Sensitivity Rating

* Limit Level for restricted hour monitoring shall act as reference level only. Investigation would be conducted on CNP compliance if exceedance recorded during restricted hour noise monitoring period.

Table III Summary of Results and Action & Limit Levels of Baseline Noise Levels (2300-0700 hrs of next days)

Monitoring Station	Time Period	Parameter	Average	Range	Action Level	Limit Level dB(A)
DM1	2300-0700 hrs of all days	Leq, 5min	60.5	53.4 – 74.6	When one documented complaint is received	45 / 50 / 55 *
DM2			60.8	55.1 – 74.0		
DM3			59.3	51.6 – 67.9		

Remark: Construction noise during restricted hours is under the control of Noise Control Ordinance and Limit Level to be selected based on Area Sensitivity Rating

* Limit Level for restricted hour monitoring shall act as reference level only. Investigation would be conducted on CNP compliance if exceedance recorded during restricted hour noise monitoring period.

1 Introduction

1.1 Background

- 1.1.1. The Relocation of Sha Tin Sewage Treatment Works (STSTW) to Caverns (the Project) is implemented so as to release the existing site, of a size about 28 hectares, for other uses.
- 1.1.2. In May 2012, Drainage Services Department (DSD), the Project Proponent commenced a detailed feasibility study on “Relocation of Sha Tin Sewage Treatment Works to Caverns” (the Feasibility Study). The findings of Feasibility Study affirmed that relocating the STSTW to caverns to be constructed at Nui Po Shan of A Kung Kok is technically feasible and financially viable.
- 1.1.3. The Project is a Designated Project (DP) under the Environmental Impact Assessment Ordinance (EIAO). An application for an Environmental Impact Assessment (EIA) Study Brief under section 5(1)(a) of the EIAO was submitted on 12 May 2014 with a Project Profile (No. PP-508/2014) for the Project. An EIA Study Brief (No. ESB-273/2014) was issued in June 2014. An EIA for the Project was then undertaken, as part of the Assignment, in accordance with this EIA Study Brief and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM).
- 1.1.4. In accordance with Clause 3.4 stated in the Environmental Permit (no.: EP-533/2017), Four hard copies and three electronic copies of the Baseline Monitoring Report shall be submitted to the Director at least 1 month before the commencement of construction of the Project.
- 1.1.5. In accordance with Section 13.3.1.1 of the Project Environmental Monitoring and Audit (EM&A) Manual, the Baseline Environmental Monitoring Report should be prepared and submitted within 10 working days after completion of the baseline monitoring works.

1.2 Purpose of Baseline Noise Monitoring Report

- 1.2.1. The purpose of the baseline noise monitoring is to review the baseline conditions of noise level along the Project boundary, and to establish baseline noise levels in accordance with the EM&A Manual. These levels would be used as the basis for the impact and compliance monitoring during the demolition period of the Project.
- 1.2.2. This baseline noise monitoring report presents the baseline noise monitoring requirements, methodologies, monitoring results and determination of the action and limit levels for each monitoring parameter at THREE designated noise monitoring stations as described in the EM&A Manual.

2 NOISE MONITORING

2.1 Monitoring Requirements

- 2.1.1 In accordance with the EM&A Manual, the baseline noise monitoring at THREE monitoring stations shall be carried out daily for a period of at least two weeks
- 2.1.2 The baseline noise monitoring at THREE monitoring stations were conducted during the monitoring period from 6 July 2021 to 22 July 2021 and the relevant findings are summarized in this report. The baseline monitoring schedule is shown in **Appendix A**.
- 2.1.3 Due to adverse weather condition on 19 July 2021 (all time period), the baseline noise monitoring was rescheduled to 22 July 2021.

2.2 Monitoring Equipment

- 2.2.1 Noise monitoring was performed using sound level meter at the designated monitoring locations. The sound level meters shall comply with the International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator shall be deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in **Table 2.1**.

Table 2.1 Noise Monitoring Equipment

Equipment	Brand and Model	Series Number
Integrated Sound Level Meter	Larson Davis LxT	0006346 0004796
Acoustic Calibrator	HLES-02	2019612534

- 2.2.2 The calibration certificates of the noise monitoring equipment are attached in **Appendix B**.

2.3 Monitoring Locations

- 2.3.1 In accordance with the updated EM&A Manual, the noise monitoring stations for baseline noise monitoring is presented in **Table 2.2** and shown in **Figures 2.1**.

Table 2.2 Baseline Noise Monitoring Stations

Monitoring Station ID	NSR ID (Referenced to EIA Report)	Monitoring Location	Measurement Type	Level (in terms of no. of floor)
DM1	NR-D01	Seaview Villa	Free-field	G/F
DM2	NR-D05	Racecourse Gardens	Free-field	G/F
DM3 ^{R1}	NR-D07	S.K.H. Ma On Shan Holy Spirit Primary School	Façade	R/F

Remarks 1:
 The baseline noise monitoring of monitoring station CM3 - S.K.H. Ma On Shan Holy Spirit Primary School has been conducted

in early stage of Contract DC/2018/05. As the DM3 and CM3 are within the same NSR at the roof top of S.K.H. Ma On Shan Holy Spirit Primary School, therefore, the baseline noise monitoring data of CM3 - S.K.H. Ma On Shan Holy Spirit Primary School is considered to be valid and adopted for the DM3 - S.K.H. Ma On Shan Holy Spirit Primary School.

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 The monitoring parameters, frequency and duration of noise monitoring are summarized in **Table 2.3**.

Table 2.3 Baseline Noise Monitoring Parameters, Frequency and Duration

Monitoring Period	Duration	Measurement Parameter	Measurement Period	Frequency
Baseline Monitoring	Consecutive days of at least 2 weeks before commencement of major construction works	A-weighted levels L_{eq} , L_{10} and L_{90} Including 30 minutes (six consecutive $L_{eq}(5min)$ readings) for (i), (ii) and (iii)	(i) between 0700 and 1900 hours; (ii) between 1900 and 2300 hours; and (iii) between 2300 to 0700 hours of next day	Daily

2.5 Monitoring Methodology

2.5.1 Monitoring Procedure

- (a) The monitoring station shall normally be at a point 1m from the exterior of the sensitive receiver’s building façade and be at a position 1.2m above the ground.
- (b) Façade measurements were made at the monitoring locations. For free-field measurement, a correction factor of +3 dB (A) would be applied.
- (c) The battery condition was checked to ensure the correct functioning of the meter.
- (d) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - (i) Frequency weighting: A time weighting: Fast
 - (ii) Time measurement: Daily measurement of A-weighted levels L_{eq} , L_{10} and L_{90} shall be conducted for at least two weeks. Daily measurement periods should include: (i) between 0700 and 1900 hours; (ii) between 1900 and 2300 hours; and
 - (iii) Between 2300 to 0700 hours of next day. Each of the daily sampling periods shall include 30 minutes (six consecutive $L_{eq}(5min)$ readings calculating the logarithmic average of six $L_{eq}(5min)$ data. ($L_{eq30min}=10*\text{LOG}(\text{AVERAGE}10^{(L_{eq5min_1}*0.1,...L_{eq5min_6}*0.1)})$).
- (e) Prior and after to the noise measurement, the meter was checked using the acoustic calibrator for 94dB (A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than ± 1 dB (A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.

2.5.2 Maintenance and Calibration

- (a) The microphone head of the sound level meter was cleaned with soft cloth at

regular intervals.

- (b) The sound level meter and calibrator were calibrated at yearly intervals.

2.6 Results and Observations

2.6.1 The baseline noise monitoring were carried out from 6 July 2021 to 22 July 2021 for recording over two weeks monitoring data and the weather were mostly sunny with traces of rainfall. No demolition works under the Project were undertaken during the baseline monitoring period.

2.6.2 The baseline noise monitoring results are summarized in **Table 2.4** respectively. Detailed noise monitoring results are presented in **Appendix C**.

Table 2.4 Summary of Baseline Noise Monitoring Results

Monitoring Station	0700-1900 hrs on normal weekdays		0700-1900 hrs on holidays (including Sundays); and 1900-2300 hrs on all days		2300-0700 hrs of next days	
	L _{eq} (30min), dB(A)		L _{eq} (5min), dB(A)			
	Average	Range	Average	Range	Average	Range
DM1*	67.1	58.6 – 81.1#	64.7	61.5 – 74.0	60.5	53.4 – 74.6
DM2*	64.6	54.9 – 65.1	65.2	59.0 – 76.2	60.8	55.1 – 74.0
DM3	64.7	62.8 – 71.5	63.5	60.3 – 69.3	59.3	51.6 – 67.9

Remark: * A correction of +3dB(A) were made to the free field measurements in DM1 and DM2

High noise level recorded due to dog barking during monitoring

2.6.3 The weather condition was generally fine during the baseline noise monitoring period. Due to adverse weather condition on 19 July 2021, the baseline noise monitoring was rescheduled to 22 July 2021.

2.7 Action and Limit Levels

2.7.1 The Action and Limit Levels of noise monitoring have been set in accordance with the criteria specified in the updated EM&A Manual as shown in **Table 2.5** below.

Table 2.5 Action and Limit Levels for Construction Noise

Monitoring Station	Action Level	Limit Level (dB(A))		
		0700-1900 hrs on normal weekdays	0700-2300 hrs on holidays (including Sundays); and 1900-2300 hrs on all days ²	2300-0700 hrs of all days ²
DM1	When one documented complaint is received	75	60 / 65 / 70 ¹	45 / 50 / 55 ²
DM2		75		
DM3		70		

Remark 1: Construction noise during restricted hours is under the control of Noise Control Ordinance Limit Level to be selected based on Area Sensitivity Rating.



Remark 2: Limit Level for restricted hour monitoring shall act as reference level only. Investigation would be conducted on CNP compliance if exceedance recorded during restricted hour noise monitoring period.

3 Comment and Conclusions

Comment

Other noise sources

- 3.1.1 Baseline noise monitoring was conducted prior to the demolition works start. The major noise source was traffic noise around the monitoring stations. It is possible that other noise sources would be identified during impact monitoring period such as other development project, road works or public activities around the monitoring locations. It is recommended that the noise monitoring station condition should be regularly reviewed and fine adjustment or relocation may be needed in order to obtain respective impact monitoring results.

Conclusion

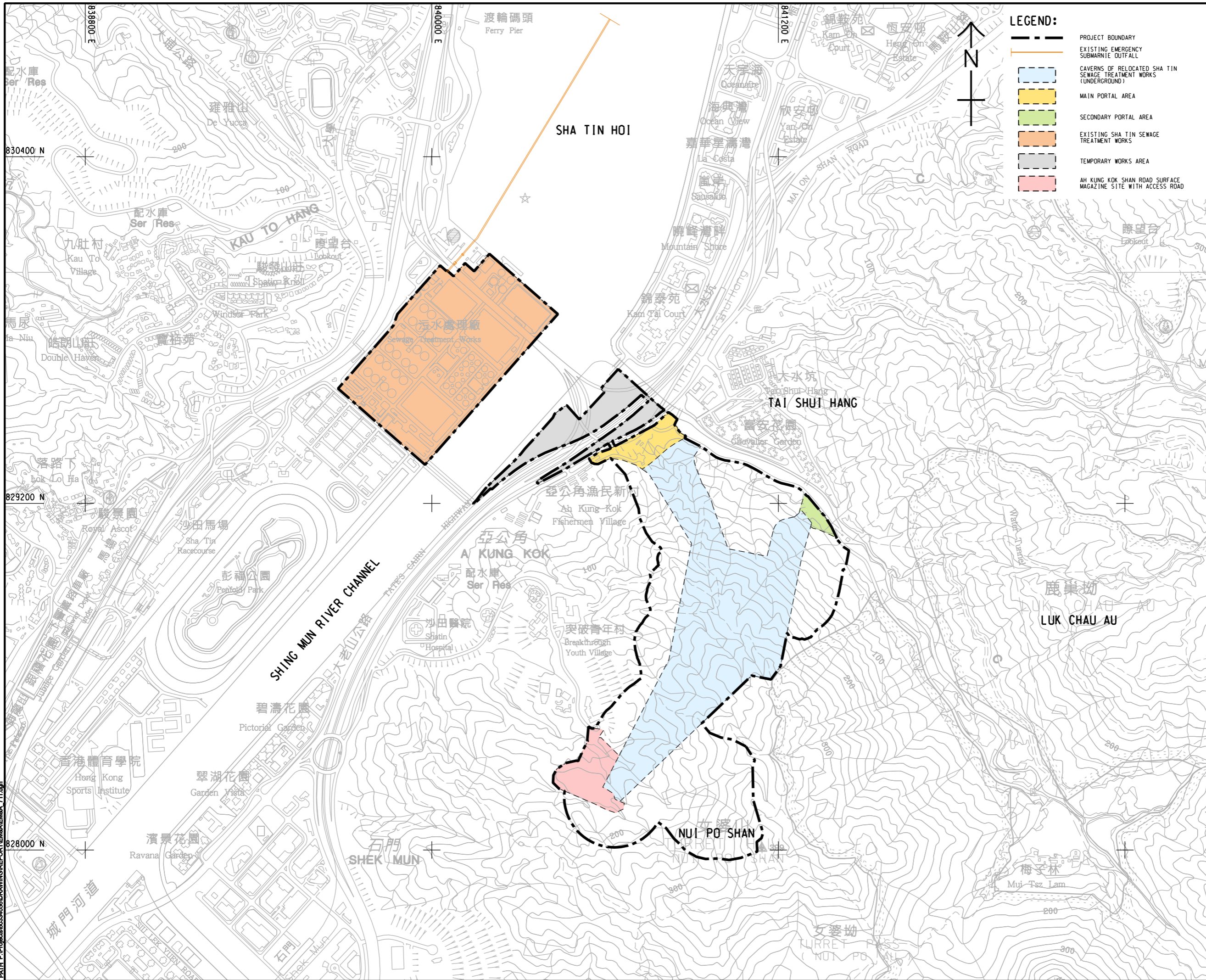
- 3.1.2 In accordance with the Project EM&A Manual and EP, baseline noise monitoring has been undertaken prior to commencement of the demolition works of the Contract.
- 3.1.3 The baseline noise monitoring of monitoring station CM3 - S.K.H. Ma On Shan Holy Spirit Primary School has been conducted in early stage of Contract DC/2018/05. As the DM3 and CM3 are within the same NSR at the roof top of S.K.H. Ma On Shan Holy Spirit Primary School, therefore, the baseline noise monitoring data of CM3 - S.K.H. Ma On Shan Holy Spirit Primary School is considered as valid and adopted for the DM3 - S.K.H. Ma On Shan Holy Spirit Primary School.
- 3.1.4 Due to adverse weather condition on 19 July 2021, the baseline noise monitoring was rescheduled to 22 July 2021.
- 3.1.5 Baseline noise monitoring was conducted at THREE designated monitoring stations from 6 July to 22 July 2021. The major noise sources identified at the monitoring station are the noise from traffic noise. The baseline monitoring results are considered representative of the ambient noise level.
- 3.1.6 The construction programmes of the Project are provided in **Appendix D**.



Figure 1.1

Project Layout

Pd File by: PENGM 2016/02/24
 PATH: P:\proj\60334056\DRAWING\REPORT\EM&A\MA_711.dgn
 ISO A1 594mm x 841mm
 Approved:
 Checked:
 Designer:
 Project Management Initials:



LEGEND:

- PROJECT BOUNDARY
- EXISTING EMERGENCY SUBMARINE OUTFALL
- CAVERNS OF RELOCATED SHA TIN SEWAGE TREATMENT WORKS (UNDERGROUND)
- MAIN PORTAL AREA
- SECONDARY PORTAL AREA
- EXISTING SHA TIN SEWAGE TREATMENT WORKS
- TEMPORARY WORKS AREA
- AH KUNG KOK SHAN ROAD SURFACE MAGAZINE SITE WITH ACCESS ROAD

AECOM

PROJECT
 項目
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS: CAVERNS AND SEWAGE TREATMENT WORKS - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT
 業主
 渠務署
 Drainage Services Department

CONSULTANT
 工程顧問公司
 AECOM Asia Company Ltd.
 www.aecom.com

SUB-CONSULTANTS
 分判工程顧問公司

ISSUE/REVISION
 修訂

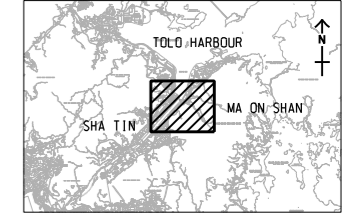
IR/	DATE	DESCRIPTION	CHK.

STATUS
 階段

SCALE
 比例
 A3 1: 12000

DIMENSION UNIT
 尺寸單位
 METRES

KEY PLAN A3 1: 50000
 索引圖



PROJECT NO.
 項目編號
 60334056

CONTRACT NO.
 合約編號
 CE 30/2014 (DS)

SHEET TITLE
 圖名
 LOCATION PLAN OF THE PROJECT

SHEET NUMBER
 圖號
 60334056/EM&A/1.01

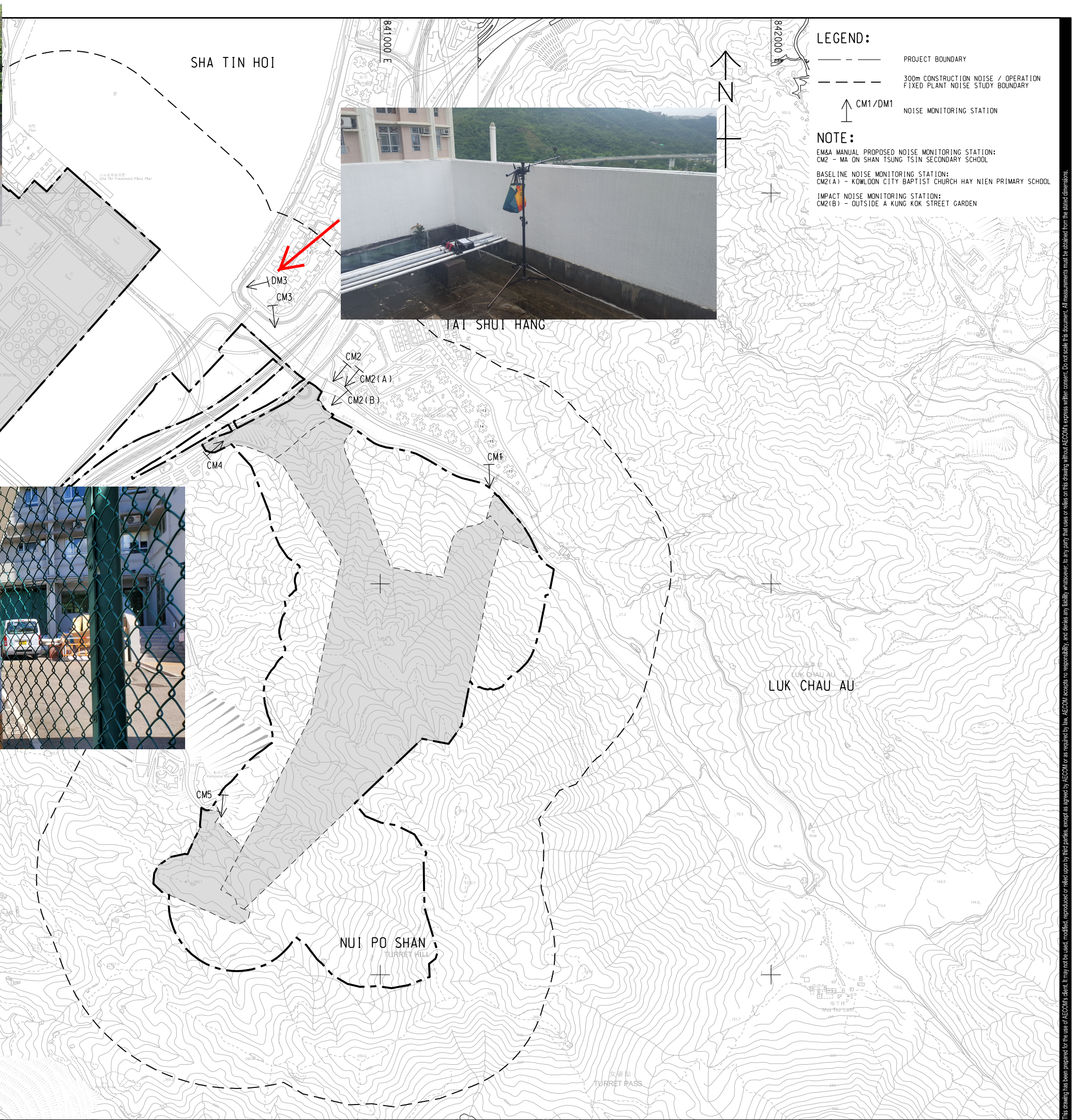
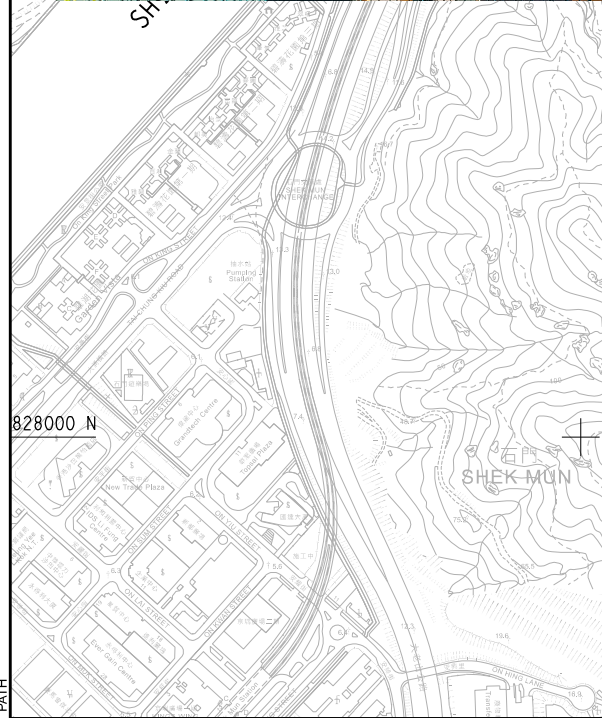
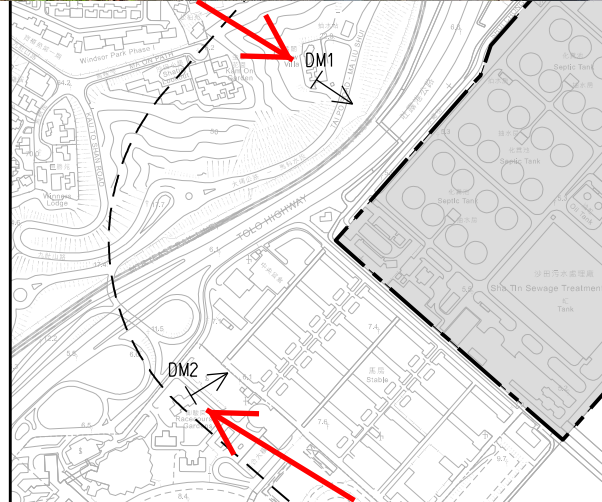
This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as approved by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, for any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.



Figure 2.1

Location of Baseline Noise Monitoring Stations

ISO A1 594mm x 841mm
 Approved: _____
 Checked: _____
 Designer: _____
 Project Management Initials: _____
 9/27/2020
 Plot File by: \$USERS
 PATH



LEGEND:
 - - - - - PROJECT BOUNDARY
 - - - - - 300m CONSTRUCTION NOISE / OPERATION FIXED PLANT NOISE STUDY BOUNDARY
 ↑ CM1/DM1 NOISE MONITORING STATION

NOTE:
 EM&A MANUAL PROPOSED NOISE MONITORING STATION:
 CM2 - MA ON SHAN TSUNG TSIN SECONDARY SCHOOL
 BASELINE NOISE MONITORING STATION:
 CM2(A) - KOWLOON CITY BAPTIST CHURCH HAY NIEN PRIMARY SCHOOL
 IMPACT NOISE MONITORING STATION:
 CM2(B) - OUTSIDE A KUNG KOK STREET GARDEN

AECOM

PROJECT
 項目
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS: CAVERNS AND SEWAGE TREATMENT WORKS - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT
 業主
 渠務署
 Drainage Services Department

CONSULTANT
 顧問公司
 AECOM Asia Company Ltd.
 www.aecom.com

SUB-CONSULTANTS
 分列工程師公司

ISSUE/REVISION
 修訂

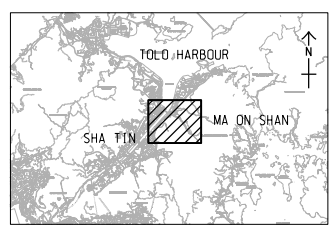
I/R	DATE	DESCRIPTION	CHK.

STATUS
 情況

SCALE
 比例
 A3 1 : 10000

DIMENSION UNIT
 尺寸單位
 METRES

KEY PLAN A3 1 : 500000
 索引圖



PROJECT NO.
 項目編號
 60334056

CONTRACT NO.
 合約編號
 CE 30/2014 (DS)

SHEET TITLE
 圖紙名稱
 LOCATION OF CONSTRUCTION PHASE TRAFFIC NOISE MONITORING STATION

SHEET NUMBER
 圖紙編號
 60334056/EM&A/3.01

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM, or as required by law. AECOM accepts no responsibility, and does not warrant, whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. All measurements must be obtained from the stated dimensions.



Appendix A

Baseline Monitoring Schedule for Noise Monitoring



Contract No. STW 01/2021
Environmental Team for Relocation of Sha Tin Sewage
Treatment Works to Caverns –Site Preparation and Access Tunnel Construction
Baseline Noise Monitoring Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27 Jun	28 Jun	29 Jun	30 Jun	01 Jul	02 Jul	03 Jul
04 Jul	05 Jul	NM	NM	NM	NM	NM
11 Jul	12 Jul	NM	NM	NM	NM	NM
18 Jul	19 Jul	20 Jul	21 Jul	22 Jul	23 Jul	24 Jul
NM	Monitoring data discarded due to raining	Monitoring data discarded due to raining	Monitoring data discarded due to raining	NM	NM	
25 Jul	26 Jul	27 Jul	28 Jul	29 Jul	30 Jul	31 Jul

Remark:

1. NM: Noise Monitoring



Appendix B

Calibration Certificates of the Monitoring Equipment

Calibration Certificate

Certificate Number 2021001443

Customer:

Lam Environmental Services Ltd

Model Number	LxT SE	Procedure Number	D0001.8384
Serial Number	0006346	Technician	Ron Harris
Test Results	Pass	Calibration Date	8 Feb 2021
Initial Condition	As Manufactured	Calibration Due	8 Feb 2022
Description	Sound Expert LxT Class 1 Sound Level Meter Firmware Revision: 2.404	Temperature	23.56 °C ± 0.25 °C
		Humidity	50.9 %RH ± 2.0 %RH
		Static Pressure	85.61 kPa ± 0.13 kPa

Evaluation Method **Tested with:** **Data reported in dB re 20 µPa.**

Larson Davis PRMLxT1L. S/N 069995
PCB 377B02. S/N 326425
Larson Davis CAL200. S/N 9079
Larson Davis CAL291. S/N 0108

Compliance Standards Compliant to Manufacturer Specifications and the following standards when combined with Calibration Certificate from procedure D0001.8378:

IEC 60651:2001 Type 1	ANSI S1.4-2014 Class 1
IEC 60804:2000 Type 1	ANSI S1.4 (R2006) Type 1
IEC 61252:2002	ANSI S1.11 (R2009) Class 1
IEC 61260:2001 Class 1	ANSI S1.25 (R2007)
IEC 61672:2013 Class 1	ANSI S1.43 (R2007) Type 1

Issuing lab certifies that the instrument described above meets or exceeds all specifications as stated in the referenced procedure (unless otherwise noted). It has been calibrated using measurement standards traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST), or other national measurement institutes, and meets the requirements of ISO/IEC 17025:2017.

Test points marked with a ‡ in the uncertainties column do not fall within this laboratory's scope of accreditation.

The quality system is registered to ISO 9001:2015.

This calibration is a direct comparison of the unit under test to the listed reference standards and did not involve any sampling plans to complete. No allowance has been made for the instability of the test device due to use, time, etc. Such allowances would be made by the customer as needed.

The uncertainties were computed in accordance with the ISO Guide to the Expression of Uncertainty in Measurement (GUM). A coverage factor of approximately 2 sigma (k=2) has been applied to the standard uncertainty to express the expanded uncertainty at approximately 95% confidence level.

This report may not be reproduced, except in full, unless permission for the publication of an approved abstract is obtained in writing from the organization issuing this report.

Correction data from Larson Davis LxT Manual for SoundTrack LxT & SoundExpert Lxt, I770.01 Rev J Supporting Firmware Version 2.301, 2015-04-30

LARSON DAVIS - A PCB PIEZOTRONICS DIV.
1681 West 820 North
Provo, UT 84601, United States
716-684-0001



Certificate Number 2021001443

For 1/4" microphones, the Larson Davis ADP024 1/4" to 1/2" adaptor is used with the calibrators and the Larson Davis ADP043 1/4" to 1/2" adaptor is used with the preamplifier.

Calibration Check Frequency: 1000 Hz; Reference Sound Pressure Level: 114 dB re 20 µPa

Periodic tests were performed in accordance with procedures from IEC 61672-3:2013 / ANSI/ASA S1.4-2014/Part3.

No Pattern approval for IEC 61672-1:2013 / ANSI/ASA S1.4-2014/Part 1 available.

The sound level meter submitted for testing successfully completed the periodic tests of IEC 61672-3:2013 / ANSI/ASA S1.4-2014/Part 3, for the environmental conditions under which the tests were performed. However, no general statement or conclusion can be made about conformance of the sound level meter to the full specifications of IEC 61672-1:2013 / ANSI/ASA S1.4-2014/Part 1 because (a) evidence was not publicly available, from an independent testing organization responsible for pattern approvals, to demonstrate that the model of sound level meter fully conformed to the class 1 specifications in IEC 61672-1:2013 / ANSI/ASA S1.4-2014/Part 1 or correction data for acoustical test of frequency weighting were not provided in the Instruction Manual and (b) because the periodic tests of IEC 61672-3:2013 / ANSI/ASA S1.4-2014/Part 3 cover only a limited subset of the specifications in IEC 61672-1:2013 / ANSI/ASA S1.4-2014/Part 1.

Standards Used			
Description	Cal Date	Cal Due	Cal Standard
Larson Davis CAL291 Residual Intensity Calibrator	2020-09-18	2021-09-18	001250
Hart Scientific 2626-S Humidity/Temperature Sensor	2020-05-12	2021-05-12	006943
Larson Davis CAL200 Acoustic Calibrator	2020-07-21	2021-07-21	007027
Larson Davis Model 831	2020-03-02	2021-03-02	007182
PCB 377A13 1/2 inch Prepolarized Pressure Microphone	2020-03-05	2021-03-05	007185
SRS DS360 Ultra Low Distortion Generator	2020-04-14	2021-04-14	007635
Larson Davis 1/2" Preamplifier for Model 831 Type 1	2020-10-06	2021-10-06	PCB0004783

Acoustic Calibration

Measured according to IEC 61672-3:2013 10 and ANSI S1.4-2014 Part 3: 10

Measurement	Test Result [dB]	Lower Limit [dB]	Upper Limit [dB]	Expanded Uncertainty [dB]	Result
1000 Hz	114.00	113.80	114.20	0.14	Pass

Loaded Circuit Sensitivity

Measurement	Test Result [dB re 1 V / Pa]	Lower Limit [dB re 1 V / Pa]	Upper Limit [dB re 1 V / Pa]	Expanded Uncertainty [dB]	Result
1000 Hz	-28.17	-29.61	-26.24	0.14	Pass

-- End of measurement results--



Acoustic Signal Tests, C-weighting

Measured according to IEC 61672-3:2013 12 and ANSI S1.4-2014 Part 3: 12 using a comparison coupler with Unit Under Test (UUT) and reference SLM using slow time-weighted sound level for compliance to IEC 61672-1:2013 5.5; ANSI S1.4-2014 Part 1: 5.5

Frequency [Hz]	Test Result [dB]	Expected [dB]	Lower Limit [dB]	Upper Limit [dB]	Expanded Uncertainty [dB]	Result
125	-0.18	-0.20	-1.20	0.80	0.23	Pass
1000	0.13	0.00	-0.70	0.70	0.23	Pass
8000	-2.84	-3.00	-5.50	-1.50	0.32	Pass

-- End of measurement results--

Self-generated Noise

Measured according to IEC 61672-3:2013 11.1 and ANSI S1.4-2014 Part 3: 11.1

Measurement	Test Result [dB]
A-weighted	40.19

-- End of measurement results--

-- End of Report--

Signatory: Ron Harris





CERTIFICATE OF CALIBRATION

Certificate No.: 21CA0526 02-02 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	Larson Davis	PCB	PCB
Type/Model No.:	LxT1	377B02	PRMLxT1L
Serial/Equipment No.:	0004796	155507	042621
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Environmental Services Limited.
 Address of Customer: -
 Request No.: -
 Date of receipt: 26-May-2021

Date of test: 27-May-2021

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	23-Aug-2021	CIGISMEC
Signal generator	DS 360	61227	31-Dec-2021	CEPREI

Ambient conditions

Temperature: 22 ± 1 °C
 Relative humidity: 55 ± 10 %
 Air pressure: 1005 ± 5 hPa

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsiveness of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:



Feng Junqi

Date: 28-May-2021

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument. The results apply to the item as received.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 21CA0526 02-02 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor	
Self-generated noise	A	Pass	0.3	2.1	
	C	Pass	0.8		
	Lin	Pass	1.6		
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	2.2	
	Reference SPL on all other ranges	Pass	0.3		
	2 dB below upper limit of each range	Pass	0.3		
	2 dB above lower limit of each range	Pass	0.3		
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3		
	Frequency weightings	A	Pass		0.3
	C	Pass	0.3		
Time weightings	Lin	Pass	0.3		
	Single Burst Fast	Pass	0.3		
	Single Burst Slow	Pass	0.3		
Peak response	Single 100µs rectangular pulse	Pass	0.3		
R.M.S. accuracy	Crest factor of 3	Pass	0.3		
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3		
	Repeated at frequency of 100 Hz	Pass	0.3		
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3		
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3		
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4		
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4		
Overload indication	SPL	Pass	0.3		
	Leq	Pass	0.4		

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

Calibrated by:

Date:

Fung Chi Yip

27-May-2021

- End -

Checked by:

Date:

Chan Yuk Yiu

28-May-2021

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



Test Data for Sound Level Meter

Page 1 of 5

Sound level meter type:	LxT1	Serial No.	0004796	Date	27-May-2021
Microphone type:	377B02	Serial No.	155507		
Preamp type:	PRMLxT1L	Serial No.	042621	Report:	21CA0526 02-02

SELF GENERATED NOISE TEST

The noise test is performed in the most sensitive range of the SLM with the microphone replaced by an equivalent impedance.

Noise level in A weighting	9.4	dB
Noise level in C weighting	13.3	dB
Noise level in Lin	21.5	dB

LINEARITY TEST

The linearity is tested relative to the reference sound pressure level using a continuous sinusoidal signal of frequency 4 kHz. The measurement is made on the reference range for indications at 5 dB intervals starting from the 94 dB reference sound pressure level. And until within 5 dB of the upper and lower limits of the reference range, the measurements shall be made at 1 dB intervals.(SLM set to LEQ/SPL)

Reference/Expected level	Actual level		Tolerance	Deviation	
	non-integrated	integrated		non-integrated	integrated
dB	dB	dB	+/- dB	dB	dB
94.0	94.0	94.0	0.7	0.0	0.0
99.0	99.0	99.0	0.7	0.0	0.0
104.0	104.0	104.0	0.7	0.0	0.0
109.0	109.0	109.0	0.7	0.0	0.0
114.0	114.0	114.0	0.7	0.0	0.0
115.0	115.0	115.0	0.7	0.0	0.0
116.0	116.0	116.0	0.7	0.0	0.0
117.0	117.0	117.0	0.7	0.0	0.0
118.0	118.0	118.0	0.7	0.0	0.0
119.0	119.0	119.0	0.7	0.0	0.0
120.0	120.0	120.0	0.7	0.0	0.0
89.0	89.0	89.0	0.7	0.0	0.0
84.0	84.0	84.0	0.7	0.0	0.0
79.0	79.0	79.0	0.7	0.0	0.0
74.0	73.9	73.9	0.7	-0.1	-0.1
69.0	68.9	68.9	0.7	-0.1	-0.1
64.0	63.9	63.9	0.7	-0.1	-0.1
59.0	58.9	58.9	0.7	-0.1	-0.1
54.0	53.9	53.9	0.7	-0.1	-0.1
49.0	48.9	48.9	0.7	-0.1	-0.1
44.0	43.9	43.9	0.7	-0.1	-0.1
39.0	38.9	38.9	0.7	-0.1	-0.1
34.0	33.9	33.9	0.7	-0.1	-0.1
33.0	32.9	32.9	0.7	-0.1	-0.1



Test Data for Sound Level Meter

Page 2 of 5

Sound level meter type: LxT1 Serial No. 0004796 Date 27-May-2021
Microphone type: 377B02 Serial No. 155507
Preamp type: PRMLxT1L Serial No. 042621 Report: 21CA0526 02-02

32.0	31.9	31.9	0.7	-0.1	-0.1
31.0	30.9	30.9	0.7	-0.1	-0.1
30.0	29.9	29.9	0.7	-0.1	-0.1

Measurements for an indication of the reference SPL on all other ranges which include it

Other ranges	Expected level	Actual level	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
20-120	94.0	94.0	0.7	0.0

Measurements on all level ranges for indications 2 dB below the upper limit and 2 dB above the lower limit

Ranges	Reference/Expected level	Actual level	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
20-120	30.0	29.9	0.7	-0.1
	118.0	118.0	0.7	0.0

FREQUENCY WEIGHTING TEST

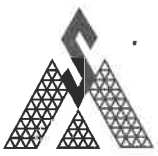
The frequency response of the weighting networks are tested at octave intervals over the frequency ranges 31.5 Hz to 12500 Hz. The signal level at 1000 Hz is set to give an indication of the reference SPL.

Frequency weighting A:

Frequency	Ref. level	Expected level	Actual level	Tolerance(dB)		Deviation
				+	-	
Hz	dB	dB	dB			dB
1000.0	94.0	94.0	94.0	0.0	0.0	0.0
31.6	94.0	54.6	54.5	1.5	1.5	-0.1
63.1	94.0	67.8	67.8	1.5	1.5	0.0
125.9	94.0	77.9	77.9	1.0	1.0	0.0
251.2	94.0	85.4	85.4	1.0	1.0	0.0
501.2	94.0	90.8	90.8	1.0	1.0	0.0
1995.0	94.0	95.2	95.2	1.0	1.0	0.0
3981.0	94.0	95.0	95.0	1.0	1.0	0.0
7943.0	94.0	92.9	92.9	1.5	3.0	0.0
12590.0	94.0	89.7	89.7	3.0	6.0	0.0

Frequency weighting C:

Frequency	Ref. level	Expected level	Actual level	Tolerance(dB)		Deviation
				+	-	
Hz	dB	dB	dB			dB
1000.0	94.0	94.0	94.0	0.0	0.0	0.0
31.6	94.0	91.0	91.0	1.5	1.5	0.0
63.1	94.0	93.2	93.2	1.5	1.5	0.0
125.9	94.0	93.8	93.8	1.0	1.0	0.0
251.2	94.0	94.0	94.0	1.0	1.0	0.0
501.2	94.0	94.0	94.0	1.0	1.0	0.0



Test Data for Sound Level Meter

Page 3 of 5

Sound level meter type: LxT1 Serial No. 0004796 Date 27-May-2021
Microphone type: 377B02 Serial No. 155507
Preamp type: PRMLxT1L Serial No. 042621 Report: 21CA0526 02-02

1995.0	94.0	93.8	93.8	1.0	1.0	0.0
3981.0	94.0	93.2	93.2	1.0	1.0	0.0
7943.0	94.0	91.0	91.0	1.5	3.0	0.0
12590.0	94.0	87.8	87.8	3.0	6.0	0.0

Frequency weighting Lin:

Frequency Hz	Ref. level dB	Expected level dB	Actual level dB	Tolerance(dB)		Deviation dB
				+	-	
1000.0	94.0	94.0	94.0	0.0	0.0	0.0
31.6	94.0	94.0	94.0	1.5	1.5	0.0
63.1	94.0	94.0	94.0	1.5	1.5	0.0
125.9	94.0	94.0	94.0	1.0	1.0	0.0
251.2	94.0	94.0	94.0	1.0	1.0	0.0
501.2	94.0	94.0	94.0	1.0	1.0	0.0
1995.0	94.0	94.0	94.0	1.0	1.0	0.0
3981.0	94.0	94.0	94.0	1.0	1.0	0.0
7943.0	94.0	94.0	94.0	1.5	3.0	0.0
12590.0	94.0	94.0	94.0	3.0	6.0	0.0

TIME WEIGHTING FAST TEST

Time weighting F is tested on the reference range with a single sinusoidal burst of duration 200 ms at a frequency 2000 Hz and an amplitude which produces an indication 4 dB below the upper limit of the primary indicator range when the signal is continuous. (Weight A, Maximum hold)

Ref. level dB	Expected level dB	Actual level dB	Tolerance(dB)		Deviation dB
			+	-	
116.0	115.0	114.9	1.0	1.0	-0.1

TIME WEIGHTING SLOW TEST

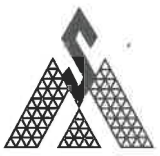
Time weighting S is tested on the reference range with a single sinusoidal burst of duration 500 ms at a frequency 2000 Hz and an amplitude which produces an indication 4 dB below the upper limit of the primary indicator range when the signal is continuous. (Weight A, Maximum hold)

Ref. level dB	Expected level dB	Actual level dB	Tolerance(dB)		Deviation dB
			+	-	
116.0	111.9	111.9	1.0	1.0	0.0

PEAK RESPONSE TEST

The onset time of the peak detector is tested on the reference range by comparing the response to a 100 us rectangular test pulse with the response to a 10 ms reference pulse of the same amplitude. The amplitude of the 10 ms reference pulse is such as to produce an indication 1 dB below the upper limit of the primary indicator range. Positive polarities: (Weighting Z, set the generator signal to single, Lzpeak)

Ref. level dB	Response to 10 ms dB	Response to 100 us dB	Tolerance +/- dB	Deviation dB
119.0	119.0	118.6	2.0	-0.4



Test Data for Sound Level Meter

Page 4 of 5

Sound level meter type: LxT1 Serial No. 0004796 Date 27-May-2021
Microphone type: 377B02 Serial No. 155507
Preamp type: PRMLxT1L Serial No. 042621 Report: 21CA0526 02-02

Negative polarities:

Ref. level	Response to 10 ms	Response to 100 us	Tolerance	Deviation
dB	dB	dB	+/- dB	dB
119.0	119.0	118.6	2.0	-0.4

RMS ACCURACY TEST

The RMS detector accuracy is tested on the reference range for a crest factor of 3.

Test frequency: 2000 Hz
Amplitude: 2 dB below the upper limit of the primary indicator range.
Burst repetition frequency: 40 Hz
Tone burst signal: 11 cycles of a sine wave of frequency 2000 Hz. (Set to INT)

Time weighting	Ref. Level	Expected level	Tone burst signal	Tolerance	Deviation
	dB	dB	indication(dB)	+/- dB	dB
Slow	114.0+6.6	114.0	113.9	0.5	-0.1

TIME WEIGHTING IMPULSE TEST

Time weighting I is tested on the reference range (Set the SLM to LAImax)

Test frequency: 2000 Hz
Amplitude: The upper limit of the primary indicator range.

Single sinusoidal burst of duration 5 ms:

Ref. Level	Single burst indication		Tolerance	Deviation
	Expected (dB)	Actual (dB)		
dB			+/- dB	dB
120.0	111.2	111.1	2.0	-0.1

Repeated at 100 Hz

Ref. Level	Repeated burst indication		Tolerance	Deviation
	Expected (dB)	Actual (dB)		
dB			+/- dB	dB
120.0	117.3	117.1	1.0	-0.2

TIME AVERAGING TEST

This test compares the SLM reading for continuous sine signals with readings obtained from a sine tone burst sequence having the same RMS level. The test level is 30 dB below the upper limit of the linearity range and repeated for Type 1 SLM with 40 dB below the upper limit of the linearity.

Frequency of tone burst: 4000 Hz

Duration of tone burst: 1 ms

Repetition Time	Level of tone burst	Expected Leq	Actual Leq	Tolerance	Deviation	Remarks
msec	dB	dB	dB	+/- dB	dB	
1000	90.0	90.0	89.9	1.0	-0.1	60s integ.
10000	80.0	80.0	79.9	1.0	-0.1	6min. integ.

PULSE RANGE AND SOUND EXPOSURE LEVEL TEST

The test tone burst signal is superimposed on a baseline signal corresponding to the lower limit of reference range

Test frequency: 4000 Hz

Integration time: 10 sec



Test Data for Sound Level Meter

Sound level meter type: LxT1 Serial No. 0004796 Date 27-May-2021
 Microphone type: 377B02 Serial No. 155507
 Preamp type: PRMLxT1L Serial No. 042621 Report: 21CA0526 02-02

The integrating sound level meter set to Leq:

Duration	Rms level of	Expected	Actual	Tolerance	Deviation
msec	tone burst (dB)	dB	dB	+/- dB	dB
10	88.0	58.0	58.0	1.7	0.0

The integrating sound level meter set to SEL:

Duration	Rms level of	Expected	Actual	Tolerance	Deviation
msec	tone burst (dB)	dB	dB	+/- dB	dB
10.0	88.0	68.0	68.0	1.7	0.0

OVERLOAD INDICATION TEST

For SLM capable of operating in a non-integrating mode.

Test frequency: 2000 Hz
 Amplitude: 2 dB below the upper limit of the primary indicator range.
 Burst repetition frequency: 40 Hz
 Tone burst signal: 11 cycles of a sine wave of frequency 2000 Hz.

Level	Level reduced by	Further reduced	Difference	Tolerance	Deviation
at overload (dB)	1 dB	3 dB	dB	dB	dB
113.1	112.1	109.1	3.0	1.0	0.0

For integrating SLM, with the instrument indicating Leq.

For integrating SLM, with the instrument indicating Leq and set to the reference range. The test signal as following:
 The test tone burst signal is superimposed on a baseline signal corresponding to the lower limit of reference range
 Test frequency: 4000 Hz
 Integration time: 10 sec
 Single burst duration: 1 msec

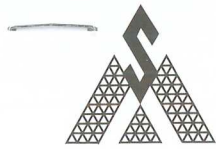
Rms level	Level reduced by	Expected level	Actual level	Tolerance	Deviation
at overload (dB)	1 dB	dB	dB	dB	dB
119.8	118.8	78.8	78.8	2.2	0.0

ACOUSTIC TEST

The acoustic test of the complete SLM is tested at the frequency 125 Hz and 8000 Hz using a B&K type 4226 Multifunction Acoustic Calibrator. The test is performed in A weighting.

Frequency	Expected level	Actual level	Tolerance (dB)		Deviation
			+	-	
Hz	dB	Measured (dB)			dB
1000	94.0	94.0	0.0	0.0	0.0
125	77.9	77.9	1.0	1.0	0.0
8000	92.9	93.4	1.5	3.0	0.5

-----END-----



CERTIFICATE OF CALIBRATION

Certificate No.: 20CA0827 02

Page: 1 of 2

Item tested

Description: Acoustical Calibrator (Class 1)
Manufacturer: Honglim Co., Ltd.
Type/Model No.: HLES-02
Serial/Equipment No.: 2019612534
Adaptors used: -

Item submitted by

Customer: Lam Environmental Services Limited.
Address of Customer: -
Request No.: -
Date of receipt: 27-Aug-2020

Date of test: 28-Aug-2020

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2341427	11-May-2021	SCL
Preamplifier	B&K 2673	2743150	03-Jun-2021	CEPREI
Measuring amplifier	B&K 2610	2346941	03-Jun-2021	CEPREI
Signal generator	DS 360	33873	19-May-2021	CEPREI
Digital multi-meter	34401A	US36087050	19-May-2021	CEPREI
Audio analyzer	8903B	GB41300350	18-May-2021	CEPREI
Universal counter	53132A	MY40003662	18-May-2021	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 55 ± 10 %
Air pressure: 1005 ± 5 hPa

Test specifications

- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

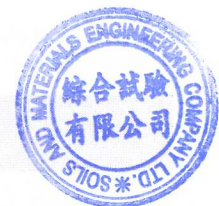
Approved Signatory:



Feng Junqi

Date: 29-Aug-2020

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 20CA0827 02

Page: 2 of 2

1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

Frequency Shown Hz	Output Sound Pressure Level Setting dB	Measured Output Sound Pressure Level dB	(Output level in dB re 20 μ Pa)
			Estimated Expanded Uncertainty dB
1000	94.00	94.10	0.10

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz STF = 0.020 dB
Estimated expanded uncertainty 0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz Actual Frequency = 998.26 Hz
Estimated expanded uncertainty 0.1 Hz Coverage factor k = 2.2

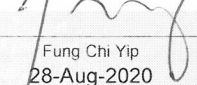
4, Total Noise and Distortion

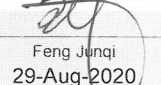
For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz TND = 0.4 %
Estimated expanded uncertainty 0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by: 
Date: 28-Aug-2020

Checked by: 
Date: 29-Aug-2020

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



Appendix C1

Baseline Noise Monitoring Data_Summary



ID	Noise Sensitive Receivers	Time Period	Leq (30min)			L ₁₀ (Average)			L ₉₀ (Average)		
			Average	Max	Min	Average	Max	Min	Average	Max	Min
DM1	Seaview Villa	Normal weekdays from 0700-1900 hrs	67.1	81.1	58.6	69.3	75.5	61.0	61.7	72.3	51.6
DM2	Racecourse Gardens		64.6	65.1	54.9	61.6	66.0	56.3	51.0	54.9	46.0

Remark: * Due to free-field measurement, a correction factor of +3 dB (A) is applied.
High noise level recorded highlighted due to dog barking during monitoring

ID	Noise Sensitive Receivers	Time Period	Leq (30min)			L ₁₀ (Average)			L ₉₀ (Average)		
			Average	Max	Min	Average	Max	Min	Average	Max	Min
DM1	Seaview Villa	Every evening from 1900-2300 hrs and Holiday from 0700-1900 hrs	64.7	74.0	61.5	67.7	72.8	64.7	57.4	69.8	54.4
DM2	Racecourse Gardens		65.2	76.2	59.0	67.3	74.2	61.4	59.6	68.7	48.5

Remark: * Due to free-field measurement, a correction factor of +3 dB (A) is applied.

ID	Noise Sensitive Receivers	Time Period	Leq (30min)			L ₁₀ (Average)			L ₉₀ (Average)		
			Average	Max	Min	Average	Max	Min	Average	Max	Min
DM1	Seaview Villa	Every night-time from 2300-0700 hrs	60.5	74.6	53.4	61.5	74.5	54.1	53.8	71.1	48.8
DM2	Racecourse Gardens		60.8	74.0	55.1	62.7	72.0	57.4	56.5	66.8	46.3

Remark: * Due to free-field measurement, a correction factor of +3 dB (A) is applied.



Appendix C2

Baseline Noise Monitoring Data_DM1_0700-1900



Location: DM1(Day1) Date 6/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₅₀ (5min)	L _{eq} (30mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	67.0	67.6	66.0	67.7	68.3	66.7
	7:05	66.7	67.3	66.0			
	7:10	68.0	68.8	66.6			
	7:15	68.6	69.0	68.0			
	7:20	68.2	69.0	67.4			
	7:25	67.4	68.0	66.1			
2	7:30	67.3	67.9	66.2	68.0	68.8	66.9
	7:35	67.6	68.3	66.7			
	7:40	66.7	67.8	65.6			
	7:45	67.6	68.4	66.4			
	7:50	68.8	69.9	67.6			
	7:55	69.6	70.5	68.6			
3	8:00	67.2	68.7	65.3	64.2	66.1	59.4
	8:05	67.5	68.5	61.1			
	8:10	62.3	64.4	59.0			
	8:15	62.9	65.8	57.7			
	8:20	61.5	64.7	56.1			
	8:25	64.4	66.2	57.3			
4	8:30	61.8	64.5	57.5	63.8	66.6	57.5
	8:35	61.8	64.1	57.3			
	8:40	64.6	68.3	58.7			
	8:45	64.6	68.1	57.5			
	8:50	63.6	66.5	56.2			
	8:55	65.1	67.9	58.0			
5	9:00	63.4	66.3	57.1	66.8	68.4	61.8
	9:05	64.4	67.2	59.0			
	9:10	63.8	66.9	58.9			
	9:15	63.5	70.2	64.2			
	9:20	68.9	70.2	66.5			
	9:25	67.9	69.6	65.1			
6	9:30	68.3	69.3	67.4	67.4	68.5	65.5
	9:35	69.0	70.2	67.7			
	9:40	65.1	67.3	62.1			
	9:45	65.2	67.5	62.7			
	9:50	67.5	69.0	64.2			
	9:55	67.0	67.9	66.1			
7	10:00	66.0	67.5	63.9	63.2	65.6	57.9
	10:05	64.4	66.1	59.7			
	10:10	61.6	64.9	55.7			
	10:15	61.7	64.7	56.3			
	10:20	61.6	64.8	56.0			
	10:25	61.8	65.5	55.7			
8	10:30	63.0	65.9	56.1	65.8	66.8	59.7
	10:35	61.7	64.4	55.2			
	10:40	66.3	66.6	56.2			
	10:45	62.8	65.1	58.1			
	10:50	67.6	68.9	65.0			
	10:55	68.8	69.8	67.7			
9	11:00	67.3	68.1	66.5	65.5	66.6	63.5
	11:05	67.3	68.2	66.2			
	11:10	65.3	67.0	62.8			
	11:15	63.3	64.9	61.8			
	11:20	63.7	65.4	61.7			
	11:25	64.1	66.0	61.8			
10	11:30	63.7	65.4	61.9	63.3	65.1	61.1
	11:35	63.8	65.4	61.6			
	11:40	63.2	65.5	60.7			
	11:45	62.8	64.3	60.9			
	11:50	62.6	64.3	60.5			
	11:55	63.7	65.6	60.7			
11	12:00	63.0	65.0	60.3	62.8	65.4	57.8
	12:05	63.8	66.0	60.3			
	12:10	63.3	65.9	57.0			
	12:15	62.2	64.9	56.8			
	12:20	62.6	65.8	56.6			
	12:25	61.6	64.6	55.5			
12	12:30	61.9	65.0	55.0	62.9	64.8	56.5
	12:35	66.6	68.4	57.8			
	12:40	62.5	65.4	56.5			
	12:45	60.6	62.8	56.1			
	12:50	61.5	64.4	56.7			
	12:55	60.5	62.8	56.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₅₀ (5min)	L _{eq} (30mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	61.5	64.2	56.7	65.6	66.5	61.0
	13:05	61.6	64.4	56.3			
	13:10	61.3	63.7	56.6			
	13:15	67.1	69.1	62.8			
	13:20	68.8	69.6	67.6			
	13:25	62.0	68.0	65.7			
14	13:30	66.2	68.1	62.4	70.2	72.5	59.0
	13:35	62.9	65.1	58.7			
	13:40	71.1	75.8	58.1			
	13:45	72.8	78.0	58.9			
	13:50	72.5	76.8	59.9			
	13:55	68.1	71.3	56.2			
15	14:00	67.2	70.8	58.6	67.5	69.3	57.9
	14:05	72.0	76.7	59.4			
	14:10	68.4	71.0	56.9			
	14:15	62.8	66.2	56.9			
	14:20	61.9	65.2	57.4			
	14:25	63.3	65.7	57.9			
16	14:30	63.5	66.5	57.6	65.6	67.3	61.9
	14:35	62.6	65.2	59.0			
	14:40	66.4	68.0	62.5			
	14:45	67.3	68.7	65.9			
	14:50	66.3	67.8	64.0			
	14:55	65.5	67.3	62.2			
17	15:00	64.5	66.7	61.8	64.0	66.3	60.1
	15:05	65.2	67.4	62.8			
	15:10	62.5	66.8	60.3			
	15:15	63.4	65.5	59.7			
	15:20	63.8	66.6	58.9			
	15:25	61.7	64.5	57.2			
18	15:30	63.0	65.1	57.8	62.4	65.1	57.1
	15:35	61.7	64.7	56.7			
	15:40	62.3	65.3	57.2			
	15:45	62.8	64.8	57.5			
	15:50	62.2	65.0	57.1			
	15:55	62.5	65.3	56.5			
19	16:00	61.4	64.6	56.8	62.2	65.1	56.7
	16:05	61.5	64.5	56.2			
	16:10	62.3	65.8	56.7			
	16:15	62.6	65.5	56.5			
	16:20	62.5	65.2	57.1			
	16:25	62.7	65.3	57.0			
20	16:30	65.0	66.4	60.5	64.0	66.1	58.9
	16:35	64.8	66.8	61.5			
	16:40	64.9	67.2	60.6			
	16:45	63.0	65.9	56.8			
	16:50	61.6	64.6	57.0			
	16:55	63.3	65.5	57.2			
21	17:00	62.1	65.4	56.5	62.9	65.5	56.4
	17:05	62.3	65.5	57.4			
	17:10	63.4	65.1	56.3			
	17:15	64.0	66.1	56.4			
	17:20	63.5	65.9	55.7			
	17:25	61.8	64.8	56.1			
22	17:30	61.9	65.2	56.3	62.4	65.1	56.9
	17:35	63.3	65.8	57.2			
	17:40	62.0	64.8	56.7			
	17:45	62.2	65.1	57.1			
	17:50	61.6	64.6	56.5			
	17:55	62.8	65.0	57.3			
23	18:00	62.9	66.0	57.7	62.5	65.4	56.8
	18:05	63.5	65.8	56.9			
	18:10	61.5	64.4	56.2			
	18:15	63.2	66.0	57.1			
	18:20	61.9	64.7	57.0			
	18:25	61.9	65.2	55.8			
24	18:30	62.1	65.5	55.7	62.2	65.4	55.4
	18:35	61.5	64.7	55.4			
	18:40	62.0	65.0	56.1			
	18:45	63.2	66.2	55.9			
	18:50	62.3	65.6	55.4			
	18:55	61.5	65.1	53.7			

Mean 64.7
Maximum 70.2
Minimum 62.2

66.7
72.5
64.8

59.7
66.9
55.4



Location: DM1(Day2) Date 7/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	69.0	69.4	68.5	68.1	68.7	67.3
	7:05	68.4	69.0	67.6			
	7:10	67.9	68.2	67.4			
	7:15	68.7	69.4	67.8			
	7:20	67.2	68.0	66.3			
7:25	67.4	68.2	66.0				
7:30	68.7	69.3	67.9				
7:35	68.7	69.5	67.8				
7:40	69.1	69.7	68.0				
7:45	66.4	67.6	63.9				
7:50	64.0	65.6	61.7				
7:55	63.7	65.7	61.3				
8:00	63.9	66.1	60.2				
8:05	65.5	67.3	62.0				
8:10	68.2	69.2	67.0				
8:15	67.3	68.2	65.8				
8:20	66.7	68.2	63.4				
8:25	68.0	69.2	66.3				
8:30	68.5	69.9	66.9				
8:35	65.7	67.1	64.4				
8:40	67.2	68.6	65.1				
8:45	68.6	69.5	67.7				
8:50	68.6	69.7	66.4				
8:55	62.9	64.9	59.9				
9:00	64.0	66.1	61.1				
9:05	65.2	67.4	61.8				
9:10	65.9	68.0	63.0				
9:15	67.5	68.5	65.3				
9:20	66.4	68.5	63.5				
9:25	66.6	68.4	64.3				
9:30	67.2	68.3	66.2				
9:35	66.7	67.7	64.7				
9:40	67.5	69.4	64.3				
9:45	66.3	67.9	64.3				
9:50	67.9	68.9	65.6				
9:55	63.5	65.4	61.0				
10:00	62.9	65.4	59.7				
10:05	64.0	66.8	59.6				
10:10	64.8	67.5	60.3				
10:15	64.3	66.7	58.9				
10:20	62.5	65.1	57.6				
10:25	62.8	65.9	55.8				
10:30	63.0	65.8	56.1				
10:35	61.7	64.7	56.4				
10:40	62.1	65.4	54.7				
10:45	62.2	65.3	57.7				
10:50	62.3	65.7	55.4				
10:55	62.7	65.4	56.3				
11:00	61.3	63.6	54.5				
11:05	62.1	65.6	53.7				
11:10	63.7	66.5	56.2				
11:15	62.7	65.8	55.9				
11:20	61.5	64.8	55.6				
11:25	61.4	64.7	54.9				
11:30	61.7	65.4	54.7				
11:35	62.9	65.6	55.6				
11:40	61.3	63.9	54.0				
11:45	61.1	64.0	54.9				
11:50	61.0	64.1	55.0				
11:55	64.9	67.2	60.9				
12:00	64.4	65.9	62.1				
12:05	64.3	65.9	62.2				
12:10	63.6	65.9	58.5				
12:15	63.4	64.7	57.4				
12:20	62.2	64.1	56.1				
12:25	59.8	63.1	54.6				
12:30	61.3	64.7	55.6				
12:35	59.7	62.6	54.2				
12:40	62.3	65.2	54.8				
12:45	60.2	63.9	53.4				
12:50	61.5	65.3	54.5				
12:55	60.7	63.9	55.0				

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	63.9	65.7	55.8	67.1	68.3	62.7
	13:05	64.5	68.0	58.5			
	13:10	69.4	70.3	68.2			
	13:15	68.9	69.7	67.2			
	13:20	67.6	69.5	64.1			
13:25	65.1	66.5	62.2				
13:30	62.4	65.0	55.5				
13:35	61.1	64.1	56.4				
13:40	61.7	64.6	57.6				
13:45	62.4	64.6	55.9				
13:50	60.3	63.4	55.6				
13:55	61.6	64.8	56.7				
14:00	70.7	71.7	59.0				
14:05	74.1	74.3	64.6				
14:10	67.4	68.1	64.5				
14:15	64.6	67.1	56.8				
14:20	61.7	64.0	57.0				
14:25	62.5	65.5	57.9				
14:30	66.9	68.3	63.3				
14:35	66.6	68.0	64.6				
14:40	66.5	67.8	64.3				
14:45	68.4	69.2	66.9				
14:50	66.5	67.5	65.4				
14:55	66.1	67.2	65.1				
15:00	66.2	66.9	65.2				
15:05	66.5	67.5	65.3				
15:10	70.4	67.6	65.3				
15:15	66.3	67.9	64.2				
15:20	66.1	67.0	65.2				
15:25	66.2	67.3	65.2				
15:30	66.0	66.8	65.2				
15:35	66.0	66.9	65.2				
15:40	66.7	67.6	65.4				
15:45	66.4	66.8	65.6				
15:50	66.3	67.3	65.2				
15:55	64.0	67.1	56.6				
16:00	62.4	65.4	56.2				
16:05	62.2	64.9	56.2				
16:10	60.7	63.7	56.0				
16:15	63.3	66.2	57.2				
16:20	64.6	67.6	59.2				
16:25	66.3	69.0	67.7				
16:30	67.1	68.2	65.7				
16:35	63.9	66.0	61.3				
16:40	62.1	64.8	56.1				
16:45	62.1	64.6	56.2				
16:50	61.9	64.6	56.5				
16:55	63.0	64.5	56.6				
17:00	61.3	64.3	56.2				
17:05	61.7	64.8	56.2				
17:10	62.2	64.6	57.7				
17:15	61.4	64.3	55.7				
17:20	61.0	63.6	56.0				
17:25	62.5	65.3	55.8				
17:30	60.9	63.5	55.9				
17:35	62.3	64.5	56.4				
17:40	62.9	65.2	57.2				
17:45	62.6	65.2	58.2				
17:50	63.1	66.5	57.1				
17:55	62.0	64.8	56.2				
18:00	61.2	64.5	56.0				
18:05	61.0	64.3	55.3				
18:10	61.8	65.1	55.9				
18:15	62.5	65.5	55.6				
18:20	62.0	65.4	55.9				
18:25	61.9	65.1	56.2				
18:30	61.0	64.2	55.8				
18:35	62.0	65.3	56.3				
18:40	62.4	65.6	56.8				
18:45	62.1	65.6	56.0				
18:50	62.6	65.4	57.7				
18:55	63.2	66.5	56.3				

Mean 64.6
Maximum 69.2
Minimum 61.0

66.4
68.7
64.3

60.1
67.3
54.6



Time Period: From 07:00hr to 19:00hr

Period	Time	L _{eq} (6min)	L ₁₀ (6min)	L ₅₀ (6min)	L _{eq} (30min)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	73.2	71.6	69.7	69.7	69.3	67.9
	7:05	69.9	70.2	69.2			
	7:10	68.6	69.2	67.6			
	7:15	68.1	68.5	67.3			
	7:20	67.4	68.0	66.8			
	7:25	67.6	68.0	66.9			
2	7:30	69.9	70.4	68.5	69.6	70.1	68.8
	7:35	70.5	70.9	70.1			
	7:40	70.0	70.4	69.4			
	7:45	69.3	69.8	68.7			
	7:50	68.8	69.5	68.1			
	7:55	68.7	69.3	68.2			
3	8:00	68.5	69.4	67.4	67.8	68.6	66.8
	8:05	68.0	68.6	67.3			
	8:10	67.6	68.1	67.0			
	8:15	67.7	68.7	66.4			
	8:20	66.6	67.7	65.6			
	8:25	68.0	68.8	66.9			
4	8:30	68.9	69.8	67.3	67.4	68.2	65.9
	8:35	66.9	67.7	66.0			
	8:40	67.9	69.7	65.6			
	8:45	67.5	67.0	64.7			
	8:50	66.2	67.3	65.1			
	8:55	67.8	68.7	66.8			
5	9:00	67.6	68.8	66.1	66.4	67.0	63.2
	9:05	69.5	68.3	65.4			
	9:10	65.4	66.5	63.1			
	9:15	63.7	65.4	61.3			
	9:20	63.6	64.0	61.5			
	9:25	65.0	67.2	61.8			
6	9:30	65.4	66.9	64.0	64.6	65.7	59.9
	9:35	64.7	66.0	62.1			
	9:40	65.1	67.0	61.0			
	9:45	66.5	65.9	57.6			
	9:50	62.2	64.5	56.7			
	9:55	63.8	64.1	57.8			
7	10:00	61.6	63.8	57.6	62.4	64.9	57.0
	10:05	61.6	64.5	55.7			
	10:10	62.5	64.8	55.4			
	10:15	64.3	66.7	58.6			
	10:20	61.7	64.8	57.8			
	10:25	62.0	64.6	57.0			
8	10:30	62.7	65.7	57.8	64.9	66.2	59.2
	10:35	62.4	64.6	57.3			
	10:40	62.2	64.8	57.3			
	10:45	60.2	63.2	56.1			
	10:50	65.4	68.8	58.1			
	10:55	69.3	70.0	68.5			
9	11:00	67.2	68.3	65.4	64.4	65.4	59.8
	11:05	63.2	66.6	63.3			
	11:10	65.6	65.7	60.5			
	11:15	62.0	64.3	57.7			
	11:20	61.6	64.0	55.9			
	11:25	60.7	63.3	55.7			
10	11:30	60.8	64.0	55.4	61.9	64.6	55.6
	11:35	61.9	64.7	55.9			
	11:40	61.6	64.3	56.0			
	11:45	61.1	64.4	55.6			
	11:50	61.5	64.8	54.9			
	11:55	63.8	65.3	55.6			
11	12:00	61.0	64.3	54.9	62.0	64.6	55.0
	12:05	62.7	65.6	55.2			
	12:10	63.0	65.5	54.8			
	12:15	63.2	65.4	55.8			
	12:20	61.4	64.5	55.0			
	12:25	59.7	62.4	54.3			
12	12:30	61.1	64.8	55.3	61.1	64.3	54.7
	12:35	60.8	64.2	54.9			
	12:40	61.7	64.8	55.6			
	12:45	60.7	63.6	54.3			
	12:50	60.4	63.7	53.5			
	12:55	61.8	64.7	54.6			

Period	Time	L _{eq} (6min)	L ₁₀ (6min)	L ₅₀ (6min)	L _{eq} (30min)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	64.6	68.1	54.8	66.9	67.9	61.6
	13:05	62.2	65.3	56.8			
	13:10	63.1	66.2	57.7			
	13:15	69.7	70.8	67.5			
	13:20	68.6	70.1	66.6			
	13:25	68.2	68.9	66.4			
14	13:30	63.7	69.3	65.9	64.9	67.0	58.9
	13:35	66.8	68.3	64.4			
	13:40	63.7	67.1	57.4			
	13:45	61.1	64.8	54.2			
	13:50	63.6	66.8	55.1			
	13:55	62.6	65.0	56.1			
15	14:00	64.4	67.9	57.0	64.7	67.2	57.2
	14:05	63.8	67.3	54.6			
	14:10	65.0	67.4	58.2			
	14:15	64.0	66.9	57.5			
	14:20	66.8	67.5	57.7			
	14:25	63.3	66.3	58.2			
16	14:30	64.1	67.8	58.0	64.7	67.4	57.6
	14:35	64.4	67.7	56.8			
	14:40	63.7	66.5	56.6			
	14:45	66.6	67.2	57.1			
	14:50	63.4	66.5	58.4			
	14:55	65.1	68.1	58.6			
17	15:00	65.3	67.2	58.5	63.2	65.9	57.6
	15:05	62.6	66.0	57.8			
	15:10	62.5	65.3	58.6			
	15:15	63.6	66.8	57.9			
	15:20	62.1	66.0	58.0			
	15:25	61.7	64.9	57.0			
18	15:30	68.1	70.3	62.5	67.4	68.8	62.6
	15:35	70.5	71.2	69.6			
	15:40	68.3	70.0	65.6			
	15:45	64.7	67.2	60.5			
	15:50	64.8	67.1	59.0			
	15:55	64.0	67.0	57.5			
19	16:00	63.6	66.6	57.5	64.1	66.2	57.0
	16:05	62.8	65.7	56.7			
	16:10	62.5	65.6	56.9			
	16:15	66.6	66.4	56.8			
	16:20	63.5	66.3	57.4			
	16:25	64.1	66.8	56.8			
20	16:30	63.5	67.0	57.6	63.7	66.6	57.6
	16:35	64.8	67.0	57.8			
	16:40	63.4	66.4	57.4			
	16:45	63.9	66.9	57.7			
	16:50	63.9	66.4	57.4			
	16:55	62.6	65.8	57.7			
21	17:00	64.3	66.9	58.5	66.4	68.0	62.8
	17:05	66.7	68.5	63.9			
	17:10	68.0	69.6	65.5			
	17:15	67.8	69.2	66.2			
	17:20	66.6	68.4	63.4			
	17:25	62.7	65.4	59.1			
22	17:30	63.6	67.0	58.0	63.3	66.5	57.3
	17:35	62.4	65.8	57.2			
	17:40	62.8	66.4	57.2			
	17:45	64.2	67.3	58.5			
	17:50	62.6	65.5	56.5			
	17:55	63.8	66.7	56.5			
23	18:00	62.5	65.9	56.2	63.8	66.9	56.9
	18:05	63.4	67.2	57.2			
	18:10	63.8	66.9	57.1			
	18:15	64.7	66.2	57.0			
	18:20	64.2	67.9	57.4			
	18:25	63.7	67.0	56.2			
24	18:30	63.0	66.6	55.7	63.3	66.6	55.1
	18:35	64.9	68.3	54.6			
	18:40	62.9	66.3	55.4			
	18:45	63.4	66.1	54.9			
	18:50	63.0	66.6	55.1			
	18:55	62.4	65.8	54.8			

Mean 64.9
Maximum 69.7
Minimum 61.1
66.8
70.1
64.3
59.8
68.8
54.7



Location: DM1(Day4) Date 9/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	67.1	67.6	66.7	66.9	67.4	66.0
	7:05	67.2	67.8	66.2			
	7:10	66.1	66.5	65.5			
	7:15	66.7	67.1	65.7			
	7:20	67.5	68.0	65.6			
	7:25	66.6	67.2	66.0			
2	7:30	65.7	66.5	64.9	69.0	67.8	65.8
	7:35	73.0	68.6	65.7			
	7:40	69.1	67.5	66.0			
	7:45	67.7	68.5	65.8			
	7:50	66.6	67.4	65.8			
	7:55	67.4	68.3	66.4			
3	8:00	65.1	66.5	63.8	65.4	66.5	63.8
	8:05	63.6	66.8	65.6			
	8:10	66.3	66.8	65.7			
	8:15	66.2	66.7	65.6			
	8:20	63.8	66.0	60.7			
	8:25	63.9	66.1	61.3			
4	8:30	63.8	64.5	60.6	61.5	63.0	56.4
	8:35	60.6	62.3	58.6			
	8:40	60.6	63.1	56.1			
	8:45	60.3	63.2	63.5			
	8:50	62.4	63.0	54.7			
	8:55	59.6	61.8	54.7			
5	9:00	59.0	61.6	54.5	61.2	62.7	57.4
	9:05	58.7	61.5	54.5			
	9:10	58.4	60.5	55.0			
	9:15	61.5	63.7	58.9			
	9:20	62.2	63.3	60.6			
	9:25	63.7	65.6	60.9			
6	9:30	67.8	68.8	64.4	69.1	67.8	63.4
	9:35	68.0	68.6	67.0			
	9:40	67.4	68.2	66.7			
	9:45	65.1	67.5	60.8			
	9:50	74.0	68.9	60.9			
	9:55	64.3	64.7	61.3			
7	10:00	64.1	65.4	62.6	66.4	64.9	60.5
	10:05	62.4	64.1	59.9			
	10:10	63.7	65.2	60.5			
	10:15	72.2	66.0	62.3			
	10:20	61.1	62.7	58.6			
	10:25	63.0	65.7	58.9			
8	10:30	61.8	63.6	59.1	61.3	63.6	57.3
	10:35	62.3	64.5	58.9			
	10:40	61.3	63.7	57.5			
	10:45	60.3	62.7	56.9			
	10:50	60.9	64.0	55.7			
	10:55	60.8	63.2	55.5			
9	11:00	63.1	63.4	55.0	62.3	63.2	54.9
	11:05	61.0	62.8	55.1			
	11:10	66.9	63.8	54.9			
	11:15	59.7	63.1	54.4			
	11:20	61.0	64.3	55.3			
	11:25	58.7	61.5	54.6			
10	11:30	60.4	63.2	54.9	61.4	63.9	55.7
	11:35	61.1	64.4	55.1			
	11:40	60.3	63.8	53.9			
	11:45	60.0	62.3	56.3			
	11:50	60.6	63.1	56.3			
	11:55	64.2	66.4	57.8			
11	12:00	62.2	64.4	57.4	60.6	63.2	55.4
	12:05	60.5	62.3	56.6			
	12:10	60.0	62.9	54.8			
	12:15	59.9	63.2	54.6			
	12:20	60.7	63.7	55.1			
	12:25	59.6	62.8	53.5			
12	12:30	60.1	63.3	54.5	60.9	63.6	54.3
	12:35	59.6	62.7	53.4			
	12:40	60.5	63.6	53.2			
	12:45	62.1	64.5	54.4			
	12:50	59.5	62.7	53.8			
	12:55	62.6	64.8	56.5			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	67.8	69.0	65.2	65.5	66.1	60.4
	13:05	67.7	68.6	66.0			
	13:10	65.5	67.5	60.8			
	13:15	61.8	64.3	58.3			
	13:20	60.8	63.1	56.6			
	13:25	64.7	63.9	55.7			
14	13:30	62.9	65.9	56.5	61.6	64.6	55.7
	13:35	61.3	64.3	55.1			
	13:40	60.8	63.8	55.2			
	13:45	60.6	63.8	54.8			
	13:50	62.0	64.3	56.4			
	13:55	61.8	65.5	56.2			
15	14:00	61.3	64.8	55.3	62.8	65.5	55.6
	14:05	61.5	65.0	55.2			
	14:10	64.1	65.3	55.4			
	14:15	63.4	66.5	55.2			
	14:20	63.1	65.3	56.0			
	14:25	63.0	65.8	56.2			
16	14:30	62.5	65.3	56.3	65.4	67.2	61.6
	14:35	64.6	67.2	59.4			
	14:40	66.7	68.1	59.4			
	14:45	66.7	68.0	65.1			
	14:50	66.3	67.8	63.9			
	14:55	64.1	66.7	59.2			
17	15:00	60.9	64.1	56.8	65.4	65.2	56.2
	15:05	68.3	65.7	56.9			
	15:10	62.3	65.7	56.0			
	15:15	62.4	64.2	59.7			
	15:20	68.9	65.3	55.2			
	15:25	62.2	64.9	56.7			
18	15:30	61.6	65.2	54.6	63.6	66.2	57.6
	15:35	61.8	65.2	55.8			
	15:40	66.1	68.4	57.1			
	15:45	62.5	65.6	57.3			
	15:50	63.5	68.2	59.7			
	15:55	64.5	66.8	61.2			
19	16:00	66.5	67.8	63.5	64.4	66.4	59.7
	16:05	66.0	67.4	64.4			
	16:10	64.3	66.2	60.7			
	16:15	63.7	66.3	58.7			
	16:20	62.3	65.7	55.7			
	16:25	61.8	64.7	55.4			
20	16:30	61.7	65.4	55.8	62.6	65.4	55.6
	16:35	61.9	65.5	55.6			
	16:40	63.5	65.6	54.9			
	16:45	63.5	64.9	55.9			
	16:50	62.5	65.7	55.7			
	16:55	61.8	65.0	55.6			
21	17:00	60.8	64.0	55.1	62.4	65.4	55.1
	17:05	62.4	65.7	55.5			
	17:10	63.0	66.0	55.4			
	17:15	63.7	66.4	55.2			
	17:20	62.1	64.9	55.1			
	17:25	61.5	65.3	54.4			
22	17:30	61.5	65.0	54.8	62.0	65.3	55.0
	17:35	62.2	65.4	56.0			
	17:40	61.7	64.5	54.3			
	17:45	62.4	65.8	55.7			
	17:50	61.4	64.9	54.7			
	17:55	62.4	65.9	54.5			
23	18:00	63.3	66.3	55.4	62.6	65.8	54.8
	18:05	62.0	65.3	54.5			
	18:10	62.7	66.4	54.3			
	18:15	63.5	66.7	55.2			
	18:20	61.2	64.8	54.3			
	18:25	62.3	65.5	55.3			
24	18:30	62.1	65.5	54.9	62.7	65.7	55.0
	18:35	64.4	66.7	55.8			
	18:40	62.5	65.6	55.9			
	18:45	61.8	65.2	54.6			
	18:50	61.4	64.9	54.3			
	18:55	63.1	66.1	54.7			

Mean 63.6
Maximum 69.1
Minimum 60.6

65.2
67.8
62.7

58.0
66.0
54.3



Location: DM1(Day5) Date 10/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	63.9	64.9	62.7	67.2	67.6	65.5
	7:05	66.3	66.5	65.0			
	7:10	67.0	68.1	65.3			
	7:15	68.5	68.9	67.8			
	7:20	66.9	67.9	65.6			
	7:25	68.8	69.0	66.6			
2	7:30	69.4	68.9	65.9	65.0	65.7	60.8
	7:35	64.8	66.0	62.9			
	7:40	63.0	64.9	61.1			
	7:45	63.2	65.3	59.3			
	7:50	61.2	63.5	57.1			
	7:55	62.9	65.6	58.4			
3	8:00	67.1	68.7	65.1	67.7	68.7	66.4
	8:05	68.5	69.4	67.4			
	8:10	68.4	69.2	67.6			
	8:15	67.5	68.5	66.2			
	8:20	66.7	67.7	65.5			
	8:25	67.4	68.4	66.5			
4	8:30	67.3	68.4	66.1	66.2	67.5	64.6
	8:35	67.1	69.5	65.6			
	8:40	67.3	67.9	65.2			
	8:45	65.8	67.2	64.2			
	8:50	64.7	66.4	62.8			
	8:55	65.6	67.0	63.9			
5	9:00	66.1	67.6	64.3	65.9	67.3	63.5
	9:05	67.1	68.3	65.8			
	9:10	65.5	67.2	62.1			
	9:15	63.5	66.5	62.5			
	9:20	66.9	67.9	63.7			
	9:25	64.3	66.2	62.4			
6	9:30	64.9	66.5	62.6	64.0	66.0	59.0
	9:35	64.5	66.4	62.0			
	9:40	64.5	66.5	59.5			
	9:45	61.4	64.2	56.5			
	9:50	63.8	64.9	56.5			
	9:55	63.8	65.5	57.1			
7	10:00	60.9	64.1	56.6	62.7	65.8	56.5
	10:05	63.2	66.5	56.2			
	10:10	64.4	69.0	56.8			
	10:15	62.6	65.7	56.0			
	10:20	62.8	65.3	55.8			
	10:25	61.7	64.2	57.4			
8	10:30	62.8	65.3	57.6	62.2	64.9	56.6
	10:35	62.5	64.6	55.7			
	10:40	61.3	64.4	56.4			
	10:45	62.1	65.7	55.9			
	10:50	62.2	65.0	56.5			
	10:55	61.9	64.6	57.2			
9	11:00	62.4	64.5	57.5	65.0	66.0	60.5
	11:05	61.4	64.3	57.0			
	11:10	62.4	64.8	56.9			
	11:15	62.4	65.0	59.0			
	11:20	67.6	68.7	65.3			
	11:25	68.2	68.9	67.3			
10	11:30	66.4	67.5	64.7	64.2	65.6	60.6
	11:35	66.0	67.6	64.2			
	11:40	64.8	66.7	62.7			
	11:45	62.7	64.9	59.8			
	11:50	60.7	63.2	56.4			
	11:55	60.9	63.9	55.6			
11	12:00	60.0	62.8	54.7	60.8	63.3	55.2
	12:05	60.9	63.7	54.8			
	12:10	61.6	63.3	55.7			
	12:15	60.1	63.1	54.8			
	12:20	61.5	64.2	55.2			
	12:25	60.7	62.9	56.2			
12	12:30	59.8	63.0	54.5	61.2	63.6	55.7
	12:35	61.0	63.5	55.8			
	12:40	62.1	63.9	56.3			
	12:45	62.6	64.9	55.9			
	12:50	60.2	63.2	55.9			
	12:55	60.7	63.2	55.9			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	60.4	63.3	56.1	64.5	65.5	59.0
	13:05	60.4	63.2	56.3			
	13:10	62.2	64.7	56.6			
	13:15	61.2	64.2	56.2			
	13:20	66.0	68.0	60.9			
	13:25	69.8	69.7	67.8			
14	13:30	67.1	69.0	62.9	63.4	65.0	57.9
	13:35	64.0	65.9	58.2			
	13:40	62.8	65.0	57.2			
	13:45	60.1	63.0	56.2			
	13:50	60.1	62.8	56.1			
	13:55	61.4	64.1	56.6			
15	14:00	61.0	64.0	55.5	61.9	64.9	56.4
	14:05	61.8	65.0	56.8			
	14:10	61.3	64.2	56.3			
	14:15	63.0	66.6	56.5			
	14:20	62.4	65.2	56.8			
	14:25	61.6	64.4	56.6			
16	14:30	61.6	64.7	56.2	61.5	64.5	56.0
	14:35	60.9	64.7	54.9			
	14:40	62.0	64.8	56.2			
	14:45	61.5	64.4	56.3			
	14:50	61.3	64.2	56.1			
	14:55	61.7	64.6	56.6			
17	15:00	62.8	65.0	59.1	65.2	66.4	61.2
	15:05	66.4	67.9	63.4			
	15:10	67.2	68.1	66.2			
	15:15	65.9	67.1	63.6			
	15:20	64.4	65.8	58.1			
	15:25	61.6	64.4	56.7			
18	15:30	62.4	65.3	55.6	62.0	64.5	56.0
	15:35	61.7	63.5	55.6			
	15:40	61.7	64.4	56.0			
	15:45	60.6	64.0	55.4			
	15:50	62.4	64.5	55.2			
	15:55	63.0	65.2	58.1			
19	16:00	67.4	68.3	65.7	65.1	66.2	61.3
	16:05	67.4	68.3	66.1			
	16:10	65.2	66.4	63.9			
	16:15	63.1	65.5	59.2			
	16:20	61.7	64.3	57.1			
	16:25	61.6	64.2	55.9			
20	16:30	61.0	63.8	56.4	61.2	63.9	55.9
	16:35	61.1	64.0	55.7			
	16:40	60.7	63.8	55.9			
	16:45	60.4	63.5	55.9			
	16:50	62.8	64.9	55.7			
	16:55	60.5	63.4	55.8			
21	17:00	61.5	64.5	56.1	61.5	64.4	55.8
	17:05	61.8	64.6	56.4			
	17:10	61.9	64.6	56.3			
	17:15	61.7	64.1	54.8			
	17:20	61.1	64.3	55.2			
	17:25	60.9	64.1	55.8			
22	17:30	62.3	65.7	55.8	61.5	64.4	56.0
	17:35	61.1	64.2	56.2			
	17:40	61.6	64.0	55.5			
	17:45	61.2	63.8	55.7			
	17:50	61.5	64.5	56.2			
	17:55	61.3	64.0	56.4			
23	18:00	62.0	64.7	56.8	61.8	64.4	56.0
	18:05	62.8	64.9	56.0			
	18:10	60.7	63.1	56.0			
	18:15	61.3	64.3	55.9			
	18:20	62.7	65.3	55.7			
	18:25	60.6	63.8	55.7			
24	18:30	61.6	64.7	55.3	62.8	65.8	55.3
	18:35	63.5	65.8	55.2			
	18:40	64.3	68.4	55.5			
	18:45	63.0	65.8	55.7			
	18:50	62.4	65.4	55.2			
	18:55	61.0	64.4	55.1			

Mean 63.5
Maximum 67.7
Minimum 60.8

65.5
68.7
63.3

58.8
66.4
55.2



Time Period: From 07:00hr to 19:00hr

Peroid	Time	L ₂₄ (dmin)	L ₁₀ (dmin)	L ₅₀ (dmin)	L ₂₄ (dmax)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	70.2	70.5	69.9	69.5	69.9	68.6
	7:05	70.4	70.5	69.9			
	7:10	69.5	69.9	69.2			
	7:15	68.7	69.7	67.0			
	7:20	68.5	69.0	66.9			
	7:25	69.1	69.6	68.5			
2	7:30	68.9	69.5	67.4	68.6	69.2	67.5
	7:35	67.4	68.1	66.7			
	7:40	67.9	68.8	66.8			
	7:45	68.9	69.7	67.6			
	7:50	69.0	69.6	68.2			
	7:55	69.0	69.6	68.0			
3	8:00	68.6	69.7	67.5	66.7	67.8	64.8
	8:05	67.9	69.1	65.8			
	8:10	68.0	68.7	66.9			
	8:15	64.9	66.5	63.4			
	8:20	64.6	66.8	62.2			
	8:25	67.2	68.1	66.0			
4	8:30	67.8	68.4	67.0	68.1	69.0	67.1
	8:35	68.1	69.2	67.0			
	8:40	67.3	68.4	66.3			
	8:45	68.0	68.9	66.9			
	8:50	68.8	69.5	67.9			
	8:55	68.5	69.3	67.6			
5	9:00	67.1	68.1	65.9	65.2	66.6	61.5
	9:05	66.2	67.7	64.3			
	9:10	65.9	67.3	63.4			
	9:15	63.4	65.8	60.9			
	9:20	63.0	65.0	59.0			
	9:25	60.6	63.7	55.2			
6	9:30	60.7	63.9	55.6	61.5	64.6	55.2
	9:35	60.2	63.5	54.4			
	9:40	61.9	65.0	55.4			
	9:45	61.3	64.7	55.0			
	9:50	62.7	65.1	56.0			
	9:55	63.0	65.2	56.9			
7	10:00	60.7	63.7	55.3	63.9	65.7	56.9
	10:05	62.6	65.1	55.7			
	10:10	64.1	65.9	56.3			
	10:15	62.4	65.3	56.2			
	10:20	62.1	64.0	56.7			
	10:25	67.7	70.0	61.2			
8	10:30	69.4	70.0	68.9	67.6	68.3	65.5
	10:35	68.6	69.5	67.6			
	10:40	67.3	68.3	65.9			
	10:45	66.4	67.6	65.2			
	10:50	66.3	67.5	64.7			
	10:55	66.5	67.0	60.8			
9	11:00	63.0	65.3	59.7	61.3	63.8	55.9
	11:05	61.3	63.7	56.2			
	11:10	61.9	64.3	56.9			
	11:15	59.6	62.5	54.2			
	11:20	60.3	63.8	54.2			
	11:25	60.5	63.1	54.4			
10	11:30	60.3	63.3	54.9	60.9	63.9	54.9
	11:35	60.8	64.0	55.3			
	11:40	61.0	63.7	55.8			
	11:45	61.8	65.0	54.8			
	11:50	60.2	63.8	54.3			
	11:55	61.0	63.8	54.5			
11	12:00	60.5	63.3	55.5	60.9	63.6	54.9
	12:05	62.7	64.6	55.9			
	12:10	61.1	63.7	55.5			
	12:15	60.2	63.2	54.8			
	12:20	58.9	62.1	53.9			
	12:25	61.1	64.4	53.9			
12	12:30	64.1	64.8	56.5	61.6	64.1	54.3
	12:35	62.4	65.3	54.8			
	12:40	60.5	63.5	54.2			
	12:45	60.2	63.2	52.8			
	12:50	59.9	63.6	53.2			
	12:55	61.1	64.2	54.4			

Peroid	Time	L ₂₄ (dmin)	L ₁₀ (dmin)	L ₅₀ (dmin)	L ₂₄ (dmax)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	60.3	63.7	54.5	66.5	67.6	62.2
	13:05	67.1	69.8	59.5			
	13:10	69.7	70.2	68.8			
	13:15	67.4	68.9	65.0			
	13:20	65.3	66.8	63.2			
	13:25	64.1	66.1	61.9			
14	13:30	62.1	64.3	57.6	61.3	64.2	55.9
	13:35	61.0	63.9	57.0			
	13:40	62.2	64.7	57.6			
	13:45	60.9	63.8	54.9			
	13:50	60.4	63.8	53.5			
	13:55	60.9	64.3	54.8			
15	14:00	61.1	64.5	54.9	66.4	66.0	58.4
	14:05	72.6	72.0	63.5			
	14:10	62.9	65.7	57.9			
	14:15	63.2	65.7	58.8			
	14:20	61.5	64.4	58.3			
	14:25	61.2	63.8	57.0			
16	14:30	62.5	65.2	58.0	62.1	64.8	56.1
	14:35	63.2	65.4	57.5			
	14:40	61.8	64.9	54.4			
	14:45	61.4	64.6	53.3			
	14:50	60.3	63.5	53.8			
	14:55	63.0	65.4	57.8			
17	15:00	68.8	70.0	66.6	66.5	67.2	62.3
	15:05	68.7	69.4	68.1			
	15:10	67.6	68.5	66.0			
	15:15	65.9	67.2	60.8			
	15:20	62.4	64.7	57.6			
	15:25	60.5	63.5	54.5			
18	15:30	60.3	62.9	55.3	61.1	63.9	54.4
	15:35	61.5	64.4	56.1			
	15:40	62.8	65.3	55.8			
	15:45	59.0	62.4	52.7			
	15:50	61.1	64.4	53.7			
	15:55	61.0	63.9	52.8			
19	16:00	59.6	63.7	52.8	59.7	63.2	52.6
	16:05	59.8	63.9	52.8			
	16:10	60.0	62.7	52.2			
	16:15	59.1	62.8	52.1			
	16:20	60.1	63.1	53.1			
	16:25	59.4	63.0	52.8			
20	16:30	61.5	64.0	52.8	63.3	63.8	54.1
	16:35	68.4	64.9	54.2			
	16:40	61.3	64.4	54.5			
	16:45	61.4	64.1	55.6			
	16:50	59.0	62.5	53.5			
	16:55	60.0	63.1	53.8			
21	17:00	60.6	63.5	54.8	64.3	65.2	58.0
	17:05	59.5	62.1	55.5			
	17:10	61.6	64.1	55.6			
	17:15	61.1	64.0	55.3			
	17:20	64.8	67.8	58.0			
	17:25	69.2	69.8	68.5			
22	17:30	64.9	67.1	62.0	62.6	64.9	57.2
	17:35	63.3	65.2	60.1			
	17:40	62.1	65.2	55.9			
	17:45	61.5	64.5	54.9			
	17:50	60.9	63.5	55.2			
	17:55	61.4	64.1	55.1			
23	18:00	61.0	63.7	55.0	61.2	64.1	55.1
	18:05	61.1	64.3	55.2			
	18:10	60.2	63.4	54.9			
	18:15	62.0	64.8	55.4			
	18:20	60.2	63.1	53.3			
	18:25	62.3	65.2	56.7			
24	18:30	61.9	64.5	54.7	61.4	64.4	54.8
	18:35	61.2	63.8	55.0			
	18:40	60.1	63.7	54.4			
	18:45	62.1	65.3	54.5			
	18:50	61.3	64.4	54.9			
	18:55	61.5	64.7	55.0			

Mean 63.8
Maximum 69.5
Minimum 59.7

65.7
69.9
63.2

58.7
68.6
52.6



Location: DM1(Day8) Date 13/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	67.8	68.9	67.1	67.9	69.2	66.9
	7:05	68.2	69.1	67.5			
	7:10	69.1	70.9	68.1			
	7:15	66.9	69.3	65.5			
	7:20	67.7	68.6	66.2			
2	7:25	67.6	68.6	67.0	70.2	71.0	69.3
	7:30	67.6	68.9	66.8			
	7:35	69.4	70.6	67.6			
	7:40	70.9	71.9	70.4			
	7:45	71.0	71.6	70.6			
3	7:50	70.8	71.7	70.3	69.2	70.5	68.1
	7:55	70.5	71.2	70.0			
	8:00	70.4	72.1	69.6			
	8:05	68.7	71.4	68.9			
	8:10	69.0	70.3	68.0			
4	8:15	68.5	69.8	67.5	68.6	69.9	66.5
	8:20	68.0	69.2	67.1			
	8:25	68.7	70.2	67.6			
	8:30	69.0	70.2	68.2			
	8:35	70.2	70.4	68.1			
5	8:40	68.7	70.1	67.9	63.8	67.7	57.4
	8:45	68.1	70.5	68.3			
	8:50	68.1	70.0	65.5			
	8:55	65.1	68.0	60.9			
	9:00	63.8	67.9	59.3			
6	9:05	62.4	66.5	58.8	65.6	68.3	60.2
	9:10	62.2	65.7	57.8			
	9:15	62.5	66.1	58.1			
	9:20	66.3	70.1	54.9			
	9:25	64.2	68.6	57.2			
7	9:31	64.2	68.9	57.9	65.1	68.0	61.9
	9:35	68.4	70.4	58.9			
	9:40	62.3	66.0	58.7			
	9:45	64.0	68.0	59.4			
	9:50	63.7	67.9	57.9			
8	9:55	67.5	69.3	66.3	66.5	68.2	58.6
	10:00	66.7	68.8	62.1			
	10:05	63.9	67.2	60.0			
	10:10	65.2	67.5	62.8			
	10:15	64.6	67.9	61.7			
9	10:20	64.9	68.4	62.0	61.5	65.3	55.2
	10:25	65.1	67.9	62.6			
	10:30	63.6	66.4	59.8			
	10:35	60.6	64.9	56.3			
	10:40	68.0	68.9	56.2			
10	10:45	69.6	71.1	67.7	61.4	65.6	56.3
	10:50	68.2	72.6	55.9			
	10:55	60.8	65.5	55.8			
	11:00	59.7	64.6	54.7			
	11:05	61.3	66.2	55.6			
11	11:10	59.5	63.5	55.6	65.7	68.3	59.7
	11:15	64.5	65.9	55.3			
	11:20	61.3	66.1	54.8			
	11:25	60.3	65.2	55.4			
	11:30	61.0	65.1	55.2			
12	11:35	59.2	63.7	54.6	60.6	65.5	54.7
	11:40	60.5	65.1	55.0			
	11:45	62.0	66.8	56.3			
	11:50	62.2	66.6	57.1			
	11:55	62.7	66.2	59.7			
13	12:00	69.0	70.4	68.0	67.9	69.2	66.9
	12:05	68.2	70.2	64.8			
	12:10	64.0	67.7	59.7			
	12:15	63.6	68.0	56.4			
	12:20	61.3	66.2	54.7			
14	12:25	61.4	67.1	54.5	70.2	71.0	69.3
	12:30	59.8	64.7	54.7			
	12:35	60.6	65.5	54.7			
	12:40	59.6	64.4	54.8			
	12:45	60.8	66.1	54.1			
15	12:50	61.5	66.5	54.2	69.2	70.5	68.1
	12:55	61.3	65.8	55.6			
	13:00	61.3	65.8	55.6			
	13:05	61.3	65.8	55.6			
	13:10	61.3	65.8	55.6			
16	13:15	61.3	65.8	55.6	68.6	69.9	66.5
	13:20	61.3	65.8	55.6			
	13:25	61.3	65.8	55.6			
	13:30	61.3	65.8	55.6			
	13:35	61.3	65.8	55.6			
17	13:40	61.3	65.8	55.6	63.8	67.7	57.4
	13:45	61.3	65.8	55.6			
	13:50	61.3	65.8	55.6			
	13:55	61.3	65.8	55.6			
	14:00	61.3	65.8	55.6			
18	14:05	61.3	65.8	55.6	65.6	68.3	60.2
	14:10	61.3	65.8	55.6			
	14:15	61.3	65.8	55.6			
	14:20	61.3	65.8	55.6			
	14:25	61.3	65.8	55.6			
19	14:30	61.3	65.8	55.6	65.1	68.0	61.9
	14:35	61.3	65.8	55.6			
	14:40	61.3	65.8	55.6			
	14:45	61.3	65.8	55.6			
	14:50	61.3	65.8	55.6			
20	14:55	61.3	65.8	55.6	66.5	68.2	58.6
	15:00	61.3	65.8	55.6			
	15:05	61.3	65.8	55.6			
	15:10	61.3	65.8	55.6			
	15:15	61.3	65.8	55.6			
21	15:20	61.3	65.8	55.6	61.5	65.3	55.2
	15:25	61.3	65.8	55.6			
	15:30	61.3	65.8	55.6			
	15:35	61.3	65.8	55.6			
	15:40	61.3	65.8	55.6			
22	15:45	61.3	65.8	55.6	61.4	65.6	56.3
	15:50	61.3	65.8	55.6			
	15:55	61.3	65.8	55.6			
	16:00	61.3	65.8	55.6			
	16:05	61.3	65.8	55.6			
23	16:10	61.3	65.8	55.6	65.7	68.3	59.7
	16:15	61.3	65.8	55.6			
	16:20	61.3	65.8	55.6			
	16:25	61.3	65.8	55.6			
	16:30	61.3	65.8	55.6			
24	16:35	61.3	65.8	55.6	60.6	65.5	54.7
	16:40	61.3	65.8	55.6			
	16:45	61.3	65.8	55.6			
	16:50	61.3	65.8	55.6			
	16:55	61.3	65.8	55.6			
25	17:00	61.3	65.8	55.6	67.9	69.2	66.9
	17:05	61.3	65.8	55.6			
	17:10	61.3	65.8	55.6			
	17:15	61.3	65.8	55.6			
	17:20	61.3	65.8	55.6			
26	17:25	61.3	65.8	55.6	70.2	71.0	69.3
	17:30	61.3	65.8	55.6			
	17:35	61.3	65.8	55.6			
	17:40	61.3	65.8	55.6			
	17:45	61.3	65.8	55.6			
27	17:50	61.3	65.8	55.6	69.2	70.5	68.1
	17:55	61.3	65.8	55.6			
	18:00	61.3	65.8	55.6			
	18:05	61.3	65.8	55.6			
	18:10	61.3	65.8	55.6			
28	18:15	61.3	65.8	55.6	68.6	69.9	66.5
	18:20	61.3	65.8	55.6			
	18:25	61.3	65.8	55.6			
	18:30	61.3	65.8	55.6			
	18:35	61.3	65.8	55.6			
29	18:40	61.3	65.8	55.6	63.8	67.7	57.4
	18:45	61.3	65.8	55.6			
	18:50	61.3	65.8	55.6			
	18:55	61.3	65.8	55.6			
	19:00	61.3	65.8	55.6			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	61.0	66.2	54.4	61.8	66.2	56.8
	13:05	61.3	66.2	55.1			
	13:10	62.5	67.2	55.9			
	13:15	62.3	66.2	58.9			
	13:20	62.8	66.6	59.1			
14	13:25	62.7	64.8	57.3	61.0	65.7	55.3
	13:30	61.8	65.4	57.1			
	13:35	60.6	65.6	54.5			
	13:40	61.6	66.8	55.0			
	13:45	60.4	64.9	54.8			
15	13:50	60.4	65.5	55.2	65.5	68.2	61.0
	13:55	61.3	65.7	55.4			
	14:00	61.6	66.5	55.5			
	14:05	61.2	65.6	55.5			
	14:10	64.4	67.4	60.0			
16	14:15	68.4	71.1	66.7	62.1	66.4	57.3
	14:20	67.2	69.2	65.9			
	14:25	65.7	69.1	62.4			
	14:30	62.4	65.8	59.7			
	14:35	61.9	66.9	56.6			
17	14:40	63.4	67.7	57.8	61.3	65.6	56.5
	14:45	61.3	66.1	56.2			
	14:50	61.6	66.0	56.8			
	14:55	61.7	66.1	56.5			
	15:00	61.5	65.6	56.7			
18	15:05	60.1	64.5	56.5	61.5	66.0	56.1
	15:10	62.2	65.3	56.3			
	15:15	62.5	65.0	56.4			
	15:20	61.4	65.7	56.4			
	15:25	60.9	65.2	56.5			
19	15:30	61.4	65.6	56.6	62.6	65.9	56.8
	15:35	61.7	66.3	56.4			
	15:40	62.2	67.2	55.5			
	15:45	61.3	66.0	55.8			
	15:50	60.5	65.0	55.4			
20	15:55	61.5	65.6	56.5	64.3	66.7	60.4
	16:00	60.0	65.0	55.3			
	16:05	59.8	64.8	55.3			
	16:10	60.4	65.2	55.6			
	16:15	61.0	65.5	55.5			
21	16:20	61.6	66.0	57.3	61.9	66.2	56.0
	16:25	67.1	69.1	61.5			
	16:30	67.6	69.0	66.5			
	16:35	66.1	68.1	64.4			
	16:40	63.5	66.8	61.0			
22	16:45	61.9	65.7	56.9	61.4	66.2	55.8
	16:50	61.3	65.3	57.2			
	16:55	60.5	65.2	56.4			
	17:00	61.1	65.7	56.6			
	17:05	62.8	68.2	56.2			
23	17:10	62.0	65.2	55.5	65.7	68.3	59.7
	17:15	62.1	66.1	55.8			
	17:20	61.8	65.6	56.1			
	17:25	61.6	66.3	55.8			
	17:30	61.3	66.5	54.9			
24	17:35	62.0	66.3	57.6	60.6	65.5	54.7
	17:40	61.4	65.8	57.2			
	17:45	61.8	66.9	55.8			
	17:50	60.7	65.7	54.6			
	17:55	60.7	65.7	54.6			
25	18:00	61.2	66.3	54.8	67.9	69.2	66.9
	18:05	61.1	66.0	55.1			
	18:10	61.2	65.4	54.9			
	18:15	60.7	65.5	55.3			
	18:20	61.3	65.8	55.7			
26	18:25	62.0	66.6	55.0	70.2	71.0	69.3
	18:30	70.0	65.7	54.4			
	18:35	61.0	65.8	54.4			
	18:40	61.9	66.9	55.3			
	18:45	62.5	67.5	56.1			
27	18:50	61.8	66.8	56.1	69.2	70.5	68.1
	18:55	61.9	66.3	55.1			
	19:00	61.9	66.3	55.1			
	19:05	61.9	66.3	55.1			
	19:10	61.9	66.3	55.1			

Mean 64.0
Maximum 70.2
Minimum 60.6
67.2
71.0
65.3
59.0
69.3
54.7



Location: DM1(Day9) Date 14/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	65.3	65.8	64.7	63.8	64.7	61.6
	7:05	65.6	66.4	64.2			
	7:10	65.1	66.3	64.0			
	7:15	63.0	65.0	59.5			
	7:20	60.5	62.0	58.5			
	7:25	60.7	62.5	58.6			
2	7:30	61.5	63.2	59.1	66.9	67.3	64.3
	7:35	63.2	65.2	60.8			
	7:40	66.2	67.6	62.9			
	7:45	68.2	69.1	67.2			
	7:50	69.0	69.6	68.3			
	7:55	68.4	69.3	67.3			
3	8:00	68.1	68.9	66.9	68.2	69.1	67.1
	8:05	68.0	69.1	66.7			
	8:10	67.2	68.0	66.3			
	8:15	68.0	69.1	66.8			
	8:20	68.4	69.2	67.3			
	8:25	69.3	70.2	68.3			
4	8:30	69.5	70.3	68.8	68.7	69.5	67.6
	8:35	69.2	69.7	68.3			
	8:40	69.5	69.9	66.7			
	8:45	67.9	68.7	66.8			
	8:50	68.2	69.2	67.0			
	8:55	68.7	69.5	67.8			
5	9:00	68.3	69.1	67.0	67.7	68.8	66.1
	9:05	67.4	68.8	66.2			
	9:10	67.0	68.4	64.7			
	9:15	68.5	67.9	65.0			
	9:20	68.2	69.2	66.8			
	9:25	68.7	69.3	66.7			
6	9:30	66.0	67.7	63.4	65.4	66.7	62.9
	9:35	62.9	64.4	60.7			
	9:40	64.0	66.1	60.7			
	9:45	64.7	66.5	62.7			
	9:50	68.5	67.9	63.8			
	9:55	67.5	68.5	66.3			
7	10:00	67.9	68.5	67.0	67.3	68.2	65.9
	10:05	67.7	68.6	66.7			
	10:10	68.5	69.2	66.7			
	10:15	66.6	67.6	65.7			
	10:20	66.8	67.8	65.4			
	10:25	68.1	67.7	64.1			
8	10:30	64.6	66.2	63.0	65.5	67.1	63.4
	10:35	65.4	66.7	63.4			
	10:40	66.0	67.3	63.9			
	10:45	66.9	68.7	64.2			
	10:50	66.2	67.3	64.7			
	10:55	63.3	66.2	61.0			
9	11:00	63.9	64.1	55.8	61.6	64.1	56.5
	11:05	62.2	65.6	56.0			
	11:10	62.0	64.5	55.3			
	11:15	61.7	64.1	54.7			
	11:20	61.6	63.5	57.9			
	11:25	61.3	62.8	59.5			
10	11:30	60.3	62.6	54.6	63.1	65.6	57.0
	11:35	60.5	63.5	55.1			
	11:40	63.4	66.3	56.7			
	11:45	62.7	66.1	56.4			
	11:50	64.6	67.6	59.0			
	11:55	64.8	67.3	60.4			
11	12:00	64.6	67.0	60.3	62.9	65.8	57.1
	12:05	63.2	65.9	58.9			
	12:10	62.8	65.8	56.1			
	12:15	62.2	65.5	56.4			
	12:20	61.9	64.8	55.5			
	12:25	62.5	65.9	55.5			
12	12:30	62.1	65.2	55.9	61.5	64.8	55.0
	12:35	61.4	65.0	54.1			
	12:40	61.3	64.2	55.0			
	12:45	61.2	64.4	54.4			
	12:50	60.4	63.9	54.5			
	12:55	62.4	65.8	56.1			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	62.4	65.8	54.3	62.1	64.8	54.6
	13:05	62.7	65.4	54.7			
	13:10	61.1	64.3	54.5			
	13:15	62.7	64.6	53.3			
	13:20	62.2	64.9	55.3			
	13:25	61.0	64.0	55.4			
14	13:30	60.9	64.1	54.4	64.9	66.3	58.0
	13:35	61.2	64.3	55.2			
	13:40	60.5	63.9	53.7			
	13:45	63.3	66.7	56.4			
	13:50	66.2	68.6	60.0			
	13:55	69.4	70.2	68.2			
15	14:00	67.9	68.9	66.7	68.4	68.7	61.9
	14:05	70.6	70.6	63.8			
	14:10	70.7	69.1	64.4			
	14:15	67.2	69.2	64.0			
	14:20	67.3	69.8	57.5			
	14:25	61.8	64.8	55.2			
16	14:30	60.6	63.7	54.6	61.6	64.4	55.2
	14:35	62.1	64.9	55.5			
	14:40	62.2	65.7	54.8			
	14:45	61.7	64.1	55.8			
	14:50	61.1	63.8	55.7			
	14:55	61.5	64.0	54.9			
17	15:00	62.4	64.4	56.5	64.7	66.1	55.6
	15:05	69.2	69.4	55.8			
	15:10	62.9	64.2	54.6			
	15:15	64.2	65.7	58.0			
	15:20	62.7	65.6	54.1			
	15:25	62.4	66.3	54.6			
18	15:30	64.1	67.1	55.4	63.5	66.6	55.5
	15:35	62.8	66.1	55.7			
	15:40	63.0	65.9	54.9			
	15:45	63.3	66.9	56.6			
	15:50	62.7	66.8	55.6			
	15:55	64.5	67.6	54.7			
19	16:00	63.3	66.1	55.8	62.6	66.0	54.9
	16:05	62.9	66.6	55.0			
	16:10	62.7	66.6	54.9			
	16:15	62.7	65.8	54.7			
	16:20	61.2	65.1	53.6			
	16:25	62.8	65.9	55.3			
20	16:30	61.4	64.6	55.5	62.6	65.8	55.2
	16:35	62.0	65.4	55.1			
	16:40	63.4	66.4	55.0			
	16:45	62.6	66.4	55.0			
	16:50	62.8	65.9	56.1			
	16:55	62.8	65.9	54.7			
21	17:00	62.0	65.3	54.9	63.5	66.5	55.3
	17:05	63.1	66.4	55.1			
	17:10	64.5	66.6	54.6			
	17:15	64.3	67.2	56.1			
	17:20	63.7	66.9	55.7			
	17:25	62.9	66.3	55.1			
22	17:30	62.9	66.5	55.0	62.9	66.1	55.8
	17:35	61.5	65.0	54.3			
	17:40	63.8	66.4	56.4			
	17:45	62.8	65.7	55.7			
	17:50	62.6	66.0	57.0			
	17:55	63.6	67.1	56.5			
23	18:00	62.8	66.3	55.9	63.1	66.4	56.8
	18:05	63.1	66.1	56.1			
	18:10	62.9	66.2	57.3			
	18:15	63.8	67.3	58.1			
	18:20	63.2	66.5	57.2			
	18:25	62.5	66.2	56.4			
24	18:30	63.1	66.1	56.8	64.1	67.1	57.0
	18:35	63.6	66.6	57.5			
	18:40	63.1	66.7	56.3			
	18:45	63.8	67.2	56.7			
	18:50	66.1	68.4	57.2			
	18:55	63.9	67.6	57.3			

Mean 64.4
Maximum 68.7
Minimum 61.5

66.5
69.5
64.1

59.2
67.6
54.6



Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	59.6	62.5	55.6	63.9	64.9	61.2
	7:05	61.9	63.6	59.8			
	7:10	63.0	64.7	61.0			
	7:15	63.5	64.8	62.2			
	7:20	65.1	66.1	63.4			
	7:25	66.7	67.6	65.3			
2	7:30	66.6	67.1	66.0	65.8	66.9	64.2
	7:35	65.0	66.5	62.6			
	7:40	64.3	66.1	62.8			
	7:45	64.9	66.1	63.4			
	7:50	66.0	67.0	64.8			
	7:55	67.3	68.6	65.8			
3	8:00	65.8	67.3	63.8	66.4	67.6	63.8
	8:05	66.7	68.0	62.0			
	8:10	66.5	66.9	61.7			
	8:15	65.7	67.8	62.6			
	8:20	66.9	68.0	65.9			
	8:25	68.1	69.3	66.8			
4	8:30	68.4	69.7	67.3	67.4	68.8	65.7
	8:35	67.7	69.3	66.2			
	8:40	69.7	68.1	65.5			
	8:45	66.6	68.0	65.0			
	8:50	67.5	69.0	65.2			
	8:55	66.8	68.6	64.8			
5	9:00	68.4	69.4	65.2	66.7	68.4	64.3
	9:05	66.3	67.8	64.3			
	9:10	68.4	68.3	64.1			
	9:15	68.2	68.0	64.0			
	9:20	66.7	68.6	64.5			
	9:25	65.9	68.0	63.5			
6	9:30	64.6	67.3	61.2	66.2	67.3	61.7
	9:35	65.0	67.0	60.6			
	9:40	63.3	65.8	59.4			
	9:45	64.7	67.5	59.2			
	9:50	63.5	67.2	56.4			
	9:55	69.5	67.9	64.7			
7	10:00	67.1	68.2	64.7	65.2	66.8	60.2
	10:05	67.2	69.0	65.4			
	10:10	66.4	67.7	62.2			
	10:15	62.7	65.8	57.3			
	10:20	62.2	64.8	56.2			
	10:25	61.9	65.2	55.3			
8	10:30	61.5	64.8	55.4	62.2	65.2	56.2
	10:35	62.0	65.1	56.0			
	10:40	62.7	65.4	56.6			
	10:45	63.4	66.5	57.1			
	10:50	61.7	64.4	56.5			
	10:55	61.8	65.0	55.8			
9	11:00	63.5	67.2	56.4	66.0	67.4	63.3
	11:05	65.7	67.4	64.2			
	11:10	65.4	66.4	64.2			
	11:15	66.1	67.5	64.3			
	11:20	66.3	67.7	65.1			
	11:25	67.0	68.3	65.4			
10	11:30	66.1	67.1	65.1	64.8	66.8	58.7
	11:35	63.8	67.7	58.1			
	11:40	62.0	65.0	55.8			
	11:45	62.0	64.9	55.2			
	11:50	67.1	69.8	60.6			
	11:55	63.1	66.0	57.1			
11	12:00	62.2	65.2	55.0	65.0	66.6	59.9
	12:05	61.8	65.0	54.8			
	12:10	64.0	66.4	55.2			
	12:15	67.0	68.1	65.8			
	12:20	65.8	67.0	64.3			
	12:25	66.4	68.1	64.3			
12	12:30	67.0	68.5	65.5	66.7	68.3	64.2
	12:35	66.6	67.6	65.4			
	12:40	64.4	67.3	59.3			
	12:45	63.7	68.1	62.3			
	12:50	68.4	69.7	67.2			
	12:55	67.1	68.3	65.6			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	65.5	66.9	63.9	63.8	66.6	57.8
	13:05	64.3	67.1	59.1			
	13:10	63.0	66.3	56.4			
	13:15	63.4	66.3	55.3			
	13:20	63.5	67.0	56.0			
	13:25	62.8	65.8	55.9			
14	13:30	62.2	66.0	55.6	63.3	66.4	57.1
	13:35	63.0	66.7	56.0			
	13:40	63.8	66.7	56.9			
	13:45	62.3	65.5	57.1			
	13:50	63.0	66.2	56.3			
	13:55	64.7	67.1	60.5			
15	14:00	65.3	67.1	62.9	65.6	67.6	62.0
	14:05	66.6	67.8	64.4			
	14:10	66.9	68.6	64.7			
	14:15	65.0	67.7	60.8			
	14:20	65.5	68.0	60.6			
	14:25	63.1	66.3	58.3			
16	14:30	62.4	65.7	56.2	62.9	66.3	56.2
	14:35	63.1	66.8	55.1			
	14:40	63.1	66.7	55.5			
	14:45	63.1	66.2	56.3			
	14:50	62.3	65.5	57.0			
	14:55	63.5	66.9	56.8			
17	15:00	62.4	66.1	56.4	63.4	66.4	56.9
	15:05	63.7	67.0	57.6			
	15:10	63.0	66.3	56.4			
	15:15	63.6	66.7	57.3			
	15:20	63.1	66.3	56.8			
	15:25	63.5	66.6	56.4			
18	15:30	61.9	64.1	57.1	63.9	66.1	56.8
	15:35	65.8	65.7	56.6			
	15:40	63.9	66.2	56.3			
	15:45	63.5	66.5	57.5			
	15:50	64.3	66.5	57.3			
	15:55	63.1	66.3	55.9			
19	16:00	62.6	66.2	55.3	63.8	66.8	57.8
	16:05	63.3	66.8	56.5			
	16:10	63.8	66.6	57.1			
	16:15	63.9	67.1	57.6			
	16:20	63.2	66.2	58.1			
	16:25	65.6	67.8	62.4			
20	16:30	65.1	67.7	61.5	64.4	67.0	59.9
	16:35	65.0	67.0	62.5			
	16:40	65.1	67.3	62.7			
	16:45	64.4	67.2	58.5			
	16:50	63.5	66.8	57.5			
	16:55	62.3	65.7	56.5			
21	17:00	62.6	65.9	56.5	62.7	65.9	56.7
	17:05	62.7	65.7	56.7			
	17:10	63.3	65.6	56.3			
	17:15	62.1	65.5	57.2			
	17:20	62.8	66.1	56.7			
	17:25	62.9	66.3	56.7			
22	17:30	62.7	66.0	56.5	62.9	66.2	56.5
	17:35	63.1	66.5	56.7			
	17:40	63.5	66.9	56.3			
	17:45	62.7	65.9	57.0			
	17:50	63.0	66.5	57.0			
	17:55	62.5	65.6	55.7			
23	18:00	63.2	66.2	57.0	63.1	66.2	56.0
	18:05	62.8	65.9	55.9			
	18:10	64.7	67.7	56.4			
	18:15	63.1	66.4	56.1			
	18:20	62.1	65.4	54.8			
	18:25	62.2	65.6	55.5			
24	18:30	62.6	66.3	55.6	62.6	66.2	54.4
	18:35	62.0	65.7	53.7			
	18:40	63.0	67.1	54.5			
	18:45	63.1	67.2	54.9			
	18:50	62.1	65.0	53.6			
	18:55	62.4	65.7	54.0			

Mean 64.5
Maximum 67.4
Minimum 62.2

66.8
68.8
64.9

59.6
65.7
54.4



Location: DM1(Day11) Date 16/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	60.3	62.8	52.1	59.5	62.1	52.1
	7:05	59.6	62.0	52.4			
	7:10	56.8	59.4	51.8			
	7:15	58.5	61.9	52.8			
	7:20	61.3	63.3	52.3			
	7:25	59.2	63.1	51.2			
2	7:30	62.9	66.7	55.7	64.6	67.9	57.7
	7:35	65.0	68.3	58.7			
	7:40	66.0	69.8	59.2			
	7:45	64.5	67.2	60.4			
	7:50	65.6	69.4	58.2			
	7:55	62.0	66.2	54.2			
3	8:00	64.4	67.6	52.9	62.8	65.8	53.6
	8:05	62.3	66.5	52.8			
	8:10	64.0	67.2	54.2			
	8:15	61.6	64.9	53.1			
	8:20	63.9	63.9	54.0			
	8:25	62.5	64.8	54.3			
4	8:30	62.5	66.3	54.7	62.5	66.4	54.3
	8:35	62.7	67.1	54.4			
	8:40	62.1	66.5	54.4			
	8:45	62.3	66.0	53.8			
	8:50	62.7	65.9	54.2			
	8:55	63.1	66.7	54.2			
5	9:00	63.0	66.4	53.9	61.8	65.3	54.1
	9:05	61.9	65.5	54.5			
	9:10	62.0	65.4	55.0			
	9:15	63.8	64.9	53.2			
	9:20	61.7	65.2	54.2			
	9:25	61.0	64.3	53.7			
6	9:30	65.2	67.9	56.6	66.5	68.0	63.8
	9:35	66.5	68.1	64.8			
	9:40	66.0	67.3	64.4			
	9:45	66.8	68.1	64.6			
	9:50	66.7	67.9	65.3			
	9:55	67.7	68.7	66.8			
7	10:00	68.0	69.0	67.0	66.5	67.7	64.0
	10:05	67.9	69.3	66.6			
	10:10	67.4	69.5	66.3			
	10:15	65.8	67.2	64.1			
	10:20	64.8	66.5	61.9			
	10:25	63.3	65.7	57.9			
8	10:30	63.6	66.4	55.9	65.2	67.0	59.6
	10:35	63.0	66.2	55.7			
	10:40	61.8	65.3	55.0			
	10:45	63.7	66.0	59.2			
	10:50	67.0	68.4	64.9			
	10:55	68.3	69.5	67.0			
9	11:00	67.1	68.4	65.9	66.3	67.9	64.5
	11:05	66.8	68.2	65.3			
	11:10	65.8	67.5	64.2			
	11:15	66.3	67.8	64.6			
	11:20	65.8	67.5	63.2			
	11:25	66.0	67.7	63.6			
10	11:30	66.4	67.7	64.7	65.1	66.9	62.6
	11:35	65.5	66.8	63.9			
	11:40	64.6	66.5	62.1			
	11:45	64.5	66.5	61.9			
	11:50	64.2	66.3	61.6			
	11:55	65.0	67.7	61.6			
11	12:00	64.4	66.5	60.8	63.5	66.2	58.7
	12:05	63.8	66.5	59.4			
	12:10	63.6	66.8	58.2			
	12:15	62.8	65.0	58.9			
	12:20	63.2	65.9	58.2			
	12:25	63.2	66.2	56.7			
12	12:30	62.7	66.0	56.0	62.1	65.4	55.9
	12:35	62.1	65.1	56.3			
	12:40	62.0	65.9	55.9			
	12:45	62.1	65.7	55.6			
	12:50	61.2	64.6	55.4			
	12:55	61.5	64.8	56.2			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	62.5	65.8	56.6	63.3	66.2	56.8
	13:05	62.1	65.3	57.0			
	13:10	63.1	66.3	56.0			
	13:15	64.6	66.9	56.4			
	13:20	63.1	65.8	57.3			
	13:25	63.7	67.1	57.6			
14	13:30	61.0	63.7	56.2	62.5	65.6	56.4
	13:35	63.2	66.5	56.9			
	13:40	62.7	66.3	56.1			
	13:45	62.9	66.0	56.7			
	13:50	61.7	65.3	55.6			
	13:55	63.4	65.9	56.8			
15	14:00	69.2	66.3	55.8	66.4	67.1	60.3
	14:05	63.2	66.4	57.2			
	14:10	63.0	65.9	57.2			
	14:15	67.1	69.1	63.7			
	14:20	67.3	68.5	65.7			
	14:25	65.2	66.5	61.4			
16	14:30	63.1	66.0	59.0	62.8	66.2	56.9
	14:35	62.6	66.4	56.8			
	14:40	63.6	67.3	56.4			
	14:45	62.0	65.4	55.9			
	14:50	62.0	64.9	56.3			
	14:55	63.3	66.9	56.7			
17	15:00	62.7	65.9	56.1	62.9	65.8	56.5
	15:05	61.0	64.0	56.3			
	15:10	64.5	67.5	57.3			
	15:15	61.1	64.6	56.1			
	15:20	63.7	66.8	57.1			
	15:25	63.1	65.8	56.3			
18	15:30	63.6	66.7	56.8	63.4	66.3	56.6
	15:35	63.4	66.5	55.8			
	15:40	63.0	65.7	55.3			
	15:45	63.1	66.3	56.7			
	15:50	63.3	66.0	57.7			
	15:55	63.7	66.5	57.1			
19	16:00	61.9	65.0	56.7	62.5	65.6	56.7
	16:05	63.6	67.1	57.0			
	16:10	62.7	65.7	57.3			
	16:15	63.1	66.2	57.8			
	16:20	61.0	64.1	55.6			
	16:25	62.1	65.4	56.0			
20	16:30	62.1	65.7	56.5	62.2	65.6	56.7
	16:35	63.0	66.4	56.8			
	16:40	62.1	65.6	57.2			
	16:45	62.2	65.5	56.1			
	16:50	61.8	65.2	56.5			
	16:55	62.1	65.4	56.8			
21	17:00	62.0	65.6	55.7	62.8	65.9	56.4
	17:05	62.4	65.3	55.5			
	17:10	64.1	67.0	56.2			
	17:15	61.4	64.5	56.9			
	17:20	62.7	65.9	57.4			
	17:25	63.4	66.8	56.5			
22	17:30	63.2	66.2	55.9	63.3	66.1	56.5
	17:35	64.0	67.1	56.9			
	17:40	63.0	66.3	56.4			
	17:45	63.2	66.2	57.7			
	17:50	62.8	65.4	56.6			
	17:55	63.3	65.6	55.4			
23	18:00	63.1	66.4	57.0	63.1	65.9	56.7
	18:05	63.2	66.1	58.3			
	18:10	63.0	65.8	56.7			
	18:15	63.0	66.2	56.3			
	18:20	63.9	66.2	55.8			
	18:25	62.1	64.7	56.2			
24	18:30	62.4	65.8	56.1	62.9	66.2	56.6
	18:35	64.2	67.7	57.2			
	18:40	61.6	64.9	56.0			
	18:45	64.0	67.2	56.8			
	18:50	62.0	65.5	56.8			
	18:55	62.8	66.0	56.9			

Mean 63.5 66.2 57.7
Maximum 66.5 68.0 64.5
Minimum 58.5 62.1 52.1



Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	57.6	60.7	49.8	55.6	58.0	48.6
	7:05	54.0	56.1	48.7			
	7:10	54.8	57.3	48.9			
	7:15	55.9	58.3	49.0			
	7:20	56.4	59.9	46.1			
	7:25	53.8	55.4	47.3			
2	7:30	54.2	57.0	48.1	58.2	58.9	50.2
	7:35	54.5	57.3	49.2			
	7:40	54.4	55.0	48.4			
	7:45	55.9	59.3	49.3			
	7:50	54.8	57.5	48.8			
	7:55	63.9	67.4	57.5			
3	8:00	63.2	66.4	57.7	64.5	67.3	59.5
	8:05	63.8	67.2	56.9			
	8:10	64.5	67.3	60.7			
	8:15	65.1	67.6	60.6			
	8:20	65.7	67.8	61.9			
	8:25	64.5	67.4	59.2			
4	8:30	63.9	67.3	58.7	63.3	66.7	56.7
	8:35	63.9	67.5	56.9			
	8:40	63.1	66.1	56.5			
	8:45	62.9	66.1	55.5			
	8:50	63.1	66.8	56.7			
	8:55	63.1	66.3	56.0			
5	9:00	62.4	65.5	56.1	62.7	65.7	55.8
	9:05	63.3	66.2	56.0			
	9:10	62.9	66.1	55.4			
	9:15	63.4	66.2	55.5			
	9:20	62.5	65.8	56.2			
	9:25	61.2	64.3	55.7			
6	9:30	63.0	65.9	55.8	64.0	67.0	58.2
	9:35	63.9	67.4	57.5			
	9:40	63.2	66.4	57.7			
	9:45	63.8	67.2	56.9			
	9:50	64.5	67.3	60.7			
	9:55	65.1	67.6	60.6			
7	10:00	65.7	67.8	61.9	64.1	67.0	58.1
	10:05	64.5	67.4	59.2			
	10:10	63.9	67.3	58.7			
	10:15	63.9	67.5	56.9			
	10:20	63.1	66.1	56.5			
	10:25	62.9	66.1	55.5			
8	10:30	63.1	66.8	56.7	63.1	66.4	56.4
	10:35	63.1	66.3	56.0			
	10:40	62.4	65.5	56.1			
	10:45	63.3	66.2	56.0			
	10:50	63.7	67.2	56.3			
	10:55	63.2	66.4	57.1			
9	11:00	62.8	66.1	58.0	62.7	66.0	56.8
	11:05	63.2	66.1	58.3			
	11:10	62.5	65.8	56.3			
	11:15	63.0	66.3	56.8			
	11:20	63.1	66.7	55.2			
	11:25	61.7	65.0	56.0			
10	11:30	62.0	65.8	56.2	62.8	66.2	55.9
	11:35	62.2	65.8	56.1			
	11:40	63.2	66.6	56.0			
	11:45	63.2	66.6	56.1			
	11:50	62.9	65.9	55.5			
	11:55	62.8	66.2	55.7			
11	12:00	62.9	66.1	55.4	63.6	65.8	55.7
	12:05	63.4	66.2	55.5			
	12:10	62.5	65.8	56.2			
	12:15	61.2	64.3	55.7			
	12:20	63.0	65.9	55.8			
	12:25	66.6	66.3	55.7			
12	12:30	61.9	65.3	55.8	63.6	66.1	57.0
	12:35	63.3	66.5	57.1			
	12:40	64.8	65.7	55.5			
	12:45	62.3	65.7	55.6			
	12:50	62.5	65.8	57.1			
	12:55	65.5	67.7	60.7			

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	64.5	67.2	61.1	63.7	66.7	57.3
	13:05	63.3	66.4	56.6			
	13:10	63.3	66.4	58.2			
	13:15	64.9	68.2	58.0			
	13:20	63.6	66.2	54.7			
	13:25	62.2	65.9	56.0			
14	13:30	61.9	65.5	53.7	62.3	65.5	55.0
	13:35	61.9	65.3	54.7			
	13:40	60.8	63.9	54.8			
	13:45	63.1	66.5	56.0			
	13:50	63.2	66.0	56.2			
	13:55	62.2	65.8	54.4			
15	14:00	61.7	65.0	54.5	62.9	66.0	55.4
	14:05	62.6	66.2	55.9			
	14:10	63.4	66.5	55.6			
	14:15	62.5	65.7	54.8			
	14:20	63.6	66.8	55.3			
	14:25	63.1	65.9	56.4			
16	14:30	65.8	67.7	62.2	64.2	66.7	58.6
	14:35	65.1	66.8	61.2			
	14:40	63.3	66.5	58.3			
	14:45	63.2	66.0	57.0			
	14:50	64.3	67.4	56.6			
	14:55	63.1	65.6	56.4			
17	15:00	63.7	66.6	55.8	63.7	66.7	57.1
	15:05	63.4	66.6	56.3			
	15:10	63.3	66.4	57.7			
	15:15	66.0	68.2	59.8			
	15:20	62.9	65.7	56.6			
	15:25	62.1	65.5	56.2			
18	15:30	62.8	66.2	55.0	62.9	66.2	55.0
	15:35	63.5	66.1	56.0			
	15:40	62.7	65.9	55.3			
	15:45	63.0	67.4	57.6			
	15:50	63.4	67.4	54.8			
	15:55	62.0	65.6	54.3			
19	16:00	62.4	64.9	53.6	65.0	66.8	56.9
	16:05	62.3	65.4	56.9			
	16:10	68.4	69.9	61.3			
	16:15	64.5	68.9	57.8			
	16:20	66.4	68.1	57.2			
	16:25	62.2	65.5	54.5			
20	16:30	62.8	65.7	56.9	62.7	65.8	56.3
	16:35	63.4	66.2	56.2			
	16:40	63.4	66.5	56.7			
	16:45	63.1	66.4	56.5			
	16:50	61.8	65.1	55.7			
	16:55	61.7	64.8	55.7			
21	17:00	61.9	65.4	55.9	63.7	66.3	58.7
	17:05	64.1	66.8	58.2			
	17:10	66.3	68.2	62.3			
	17:15	63.2	65.9	59.8			
	17:20	63.0	66.4	58.2			
	17:25	62.4	65.3	57.5			
22	17:30	63.5	66.8	56.8	63.2	66.1	57.2
	17:35	63.6	67.0	57.6			
	17:40	62.6	64.7	57.1			
	17:45	62.6	64.9	56.1			
	17:50	63.8	66.8	57.5			
	17:55	63.1	66.3	58.2			
23	18:00	63.3	66.8	57.1	63.3	66.5	56.7
	18:05	63.9	67.1	57.5			
	18:10	64.2	67.3	56.8			
	18:15	62.9	66.2	55.5			
	18:20	62.2	65.2	56.3			
	18:25	62.9	66.2	56.9			
24	18:30	63.7	67.3	56.8	63.1	66.3	55.8
	18:35	62.5	65.9	55.9			
	18:40	62.7	66.1	55.9			
	18:45	62.2	65.4	56.5			
	18:50	64.5	67.0	55.7			
	18:55	62.5	66.2	54.0			

Mean 62.9 65.7 56.2
Maximum 65.0 67.3 59.5
Minimum 55.6 58.0 48.6



Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
1	7:00	59.2	63.0	52.2	60.7	64.0	53.7
	7:05	59.8	63.1	54.0			
	7:10	61.5	65.0	54.8			
	7:15	60.5	64.4	53.9			
	7:20	60.8	64.1	53.9			
7:25	61.8	64.2	53.6				
2	7:30	59.3	62.6	53.2	62.8	65.0	54.5
	7:35	61.5	64.6	55.6			
	7:40	65.7	66.9	54.3			
	7:45	62.6	63.8	54.1			
	7:50	61.5	64.7	54.7			
7:55	63.7	67.5	55.1				
3	8:00	62.1	65.9	55.5	64.9	67.4	60.8
	8:05	63.1	67.1	56.9			
	8:10	64.5	66.9	61.0			
	8:15	66.4	68.8	63.4			
	8:20	65.9	67.9	63.8			
8:25	65.8	67.7	64.1				
4	8:30	66.1	68.1	63.7	66.1	68.0	64.0
	8:35	66.1	68.1	63.8			
	8:40	65.6	67.4	63.6			
	8:45	66.0	68.3	63.9			
	8:50	66.0	67.9	64.4			
8:55	66.5	68.2	64.5				
5	9:00	66.6	68.6	64.1	65.9	68.0	63.2
	9:05	66.3	68.1	64.2			
	9:10	66.3	68.3	63.7			
	9:15	63.8	66.0	63.5			
	9:20	64.7	67.0	61.7			
9:25	65.5	68.1	62.0				
6	9:30	66.2	68.2	63.1	65.8	68.1	62.8
	9:35	65.5	67.7	62.7			
	9:40	66.6	69.0	62.8			
	9:45	63.5	66.7	62.7			
	9:50	65.6	67.9	62.4			
9:55	66.6	67.8	63.0				
7	10:00	66.5	67.9	62.4	65.3	67.9	61.1
	10:05	65.7	68.0	61.7			
	10:10	65.7	68.7	61.8			
	10:15	65.4	68.2	60.2			
	10:20	64.6	67.2	60.2			
10:25	64.7	67.5	60.3				
8	10:30	63.0	65.9	59.6	63.1	66.2	57.9
	10:35	62.8	65.8	58.5			
	10:40	63.0	66.0	57.0			
	10:45	64.2	67.3	58.6			
	10:50	62.4	65.4	57.6			
10:55	63.0	66.8	56.3				
9	11:00	62.9	66.3	57.4	63.2	66.2	56.7
	11:05	62.8	65.4	58.2			
	11:10	62.8	66.0	57.5			
	11:15	65.3	68.3	56.0			
	11:20	62.9	65.6	55.3			
11:25	61.6	65.5	55.9				
10	11:30	62.8	66.4	56.0	63.1	66.4	56.0
	11:35	62.7	66.1	56.4			
	11:40	63.3	66.7	55.8			
	11:45	62.8	65.5	56.7			
	11:50	63.8	67.5	55.9			
11:55	63.0	66.3	55.3				
11	12:00	62.5	65.6	56.3	63.3	66.5	55.2
	12:05	63.3	66.1	56.2			
	12:10	63.6	66.9	55.8			
	12:15	64.5	68.2	54.4			
	12:20	63.3	66.6	55.1			
12:25	62.1	65.3	53.6				
12	12:30	62.4	65.8	54.7	62.9	66.4	54.5
	12:35	62.4	65.9	53.6			
	12:40	62.4	66.1	53.6			
	12:45	62.6	66.5	54.3			
	12:50	63.9	67.4	56.2			
12:55	63.3	66.8	54.8				

Peroid	Time	L _{eq} (min)	L ₁₀ (min)	L ₅₀ (min)	L _{eq} (20mins)	L ₁₀ (Average)	L ₅₀ (Average)
13	13:00	62.4	65.7	55.4	64.6	66.9	58.3
	13:05	66.9	67.0	62.7			
	13:10	65.7	67.9	61.8			
	13:15	63.9	66.5	57.9			
	13:20	63.4	66.9	56.1			
13:25	64.0	67.3	55.7				
14	13:30	63.2	66.7	55.9	63.9	66.9	58.5
	13:35	63.3	66.6	57.6			
	13:40	63.8	66.8	59.2			
	13:45	63.5	65.9	58.8			
	13:50	64.2	67.5	58.8			
13:55	64.9	67.7	60.7				
15	14:00	64.8	66.8	61.4	64.0	66.6	57.9
	14:05	64.1	66.2	59.3			
	14:10	64.0	67.3	58.0			
	14:15	64.8	67.3	57.0			
	14:20	63.8	66.9	56.3			
14:25	61.7	65.3	55.3				
16	14:30	61.6	65.0	54.9	63.0	66.3	55.7
	14:35	62.2	66.0	55.3			
	14:40	64.1	67.7	55.7			
	14:45	63.4	66.7	56.3			
	14:50	62.5	65.6	56.7			
14:55	63.6	67.0	56.1				
17	15:00	63.6	66.5	55.4	64.2	66.9	57.8
	15:05	63.1	66.1	55.4			
	15:10	62.1	65.6	55.6			
	15:15	64.9	68.0	58.0			
	15:20	64.6	66.5	61.6			
15:25	65.8	68.5	60.6				
18	15:30	65.5	68.3	59.8	63.9	67.3	56.6
	15:35	64.2	67.6	57.9			
	15:40	62.8	66.6	55.6			
	15:45	64.9	67.7	56.3			
	15:50	62.6	66.3	54.7			
15:55	64.0	67.4	56.0				
19	16:00	62.2	66.4	53.2	78.1	70.6	59.7
	16:05	62.1	65.9	55.0			
	16:10	62.9	66.7	54.4			
	16:15	66.4	75.6	62.2			
	16:20	73.9	74.8	66.3			
16:25	71.7	74.3	67.0				
20	16:30	66.8	70.1	60.3	65.5	68.7	58.4
	16:35	64.9	68.5	57.7			
	16:40	65.0	67.8	59.0			
	16:45	65.3	68.7	58.2			
	16:50	65.0	68.3	57.3			
16:55	65.4	69.0	57.8				
21	17:00	63.7	67.3	57.5	64.8	68.1	58.2
	17:05	64.9	69.2	57.2			
	17:10	64.0	67.6	57.3			
	17:15	65.6	68.7	59.8			
	17:20	64.5	67.6	58.9			
17:25	65.7	68.9	58.7				
22	17:30	64.6	67.6	58.2	64.1	67.2	57.4
	17:35	62.9	65.9	57.4			
	17:40	64.0	67.7	57.6			
	17:45	64.2	67.1	57.1			
	17:50	64.1	67.4	56.6			
17:55	64.7	67.5	57.2				
23	18:00	64.0	67.4	57.5	64.1	67.1	57.5
	18:05	64.8	67.6	57.2			
	18:10	64.0	66.9	57.3			
	18:15	63.7	66.6	57.9			
	18:20	63.2	66.4	57.9			
18:25	64.5	67.7	57.4				
24	18:30	67.9	71.2	60.7	66.7	69.9	57.7
	18:35	67.8	71.2	60.3			
	18:40	66.2	69.5	56.6			
	18:45	66.0	69.4	56.2			
	18:50	64.8	68.5	54.5			
18:55	66.8	69.6	57.9				

Mean 64.7 67.2 58.1
Maximum 78.1 70.6 64.0
Minimum 60.7 64.0 53.7

High noise level recorded highlighted due to dog barking during monitoring



Appendix C3

***Baseline Noise Monitoring Data_DM1_Evening Time (1900-2300)
and Holiday (0700-1900)***



Location: DM1(Day1) Date 6/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	61.3	64.5	54.1	62.2	65.3	55.3
	19:05	63.1	66.1	55.2			
	19:10	62.8	65.9	56.1			
	19:15	61.3	64.5	54.8			
	19:20	61.9	65.1	55.0			
	19:25	62.4	65.5	56.3			
2	19:30	64.4	66.3	55.8	64.7	66.6	58.1
	19:35	64.8	66.5	57.3			
	19:40	66.2	68.2	60.9			
	19:45	66.1	67.8	62.6			
	19:50	62.6	65.3	56.0			
	19:55	62.2	65.6	55.7			
3	20:00	60.3	63.9	53.8	60.4	63.8	53.5
	20:05	60.5	63.8	53.4			
	20:10	60.6	63.9	53.6			
	20:15	60.1	63.8	53.8			
	20:20	60.9	64.0	53.4			
	20:25	60.1	63.4	53.0			
4	20:30	60.4	63.6	53.1	60.3	63.6	52.9
	20:35	60.4	64.3	52.6			
	20:40	60.2	63.2	52.8			
	20:45	60.8	64.3	53.4			
	20:50	59.1	62.5	52.5			
	20:55	60.7	63.9	52.9			
5	21:00	59.2	62.7	52.9	59.4	62.3	52.8
	21:05	60.8	63.9	52.6			
	21:10	59.7	62.7	53.5			
	21:15	59.4	61.9	52.8			
	21:20	58.9	61.9	52.5			
	21:25	57.7	60.7	52.6			
6	21:30	58.1	61.5	52.4	59.8	63.3	52.9
	21:35	60.6	63.9	52.8			
	21:40	59.7	63.2	53.5			
	21:45	59.3	62.9	53.0			
	21:50	60.1	63.7	53.3			
	21:55	60.3	64.3	52.3			
7	22:00	58.8	61.4	52.6	60.2	63.2	53.0
	22:05	60.3	63.6	53.1			
	22:10	60.6	64.7	53.0			
	22:15	61.9	63.9	53.5			
	22:20	58.3	61.1	52.7			
	22:25	60.4	64.3	52.9			
8	22:30	60.8	63.8	53.4	60.8	62.9	52.5
	22:35	58.2	62.0	52.7			
	22:40	63.7	63.2	52.4			
	22:45	59.1	62.3	52.2			
	22:50	60.8	64.2	52.5			
	22:55	60.2	62.0	52.0			
		Mean			61.0	63.9	53.9
		Maximum			64.7	66.6	58.1
		Minimum			59.4	62.3	52.5



Location: DM1(Day2) Date 7/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)						
1	19:00	61.9	65.1	56.0	62.7	65.4	55.5						
	19:05	62.0	64.8	55.5									
	19:10	61.8	64.9	55.3									
	19:15	62.6	65.9	56.2									
	19:20	62.9	65.8	54.4									
2	19:25	64.5	65.8	55.7	64.7	66.3	58.2						
	19:30	62.6	65.1	54.5									
	19:35	63.8	65.3	56.9									
	19:40	68.1	69.5	64.6									
	19:45	66.1	68.8	60.5									
3	19:50	61.6	64.2	57.1	61.3	64.5	53.9						
	19:55	62.3	64.8	55.5									
	20:00	61.7	65.2	54.9									
	20:05	60.5	63.8	54.5									
	20:10	63.2	66.9	54.4									
4	20:15	60.4	64.0	54.0	62.1	63.9	53.3						
	20:20	60.6	63.9	53.1									
	20:25	60.7	63.0	52.7									
	20:30	60.2	63.6	52.7									
	20:35	62.4	62.7	52.9									
5	20:40	61.4	64.5	54.4	60.0	63.1	53.1						
	20:45	61.9	64.4	53.7									
	20:50	64.8	64.6	53.3									
	20:55	59.6	63.7	52.6									
	21:00	58.9	62.0	52.6									
6	21:05	61.1	64.3	53.5	60.3	63.2	53.0						
	21:10	62.1	66.3	54.1									
	21:15	58.8	62.0	53.2									
	21:20	58.4	61.4	52.4									
	21:25	59.5	62.8	52.9									
7	21:30	63.1	65.1	53.5	61.4	64.1	53.6						
	21:35	59.5	63.2	52.8									
	21:40	59.8	62.9	52.8									
	21:45	59.2	63.0	52.8									
	21:50	59.1	61.9	53.0									
8	21:55	59.2	62.9	52.9	61.2	63.4	53.2						
	22:00	61.8	65.6	53.9									
	22:05	63.9	64.0	53.9									
	22:10	60.7	63.7	53.2									
	22:15	59.2	62.8	53.2									
Summary	22:20	61.0	64.3	53.5	Mean	64.2	54.2						
	22:25	60.5	64.4	53.8				Maximum	66.3	58.2			
	22:30	60.4	63.2	53.3							Minimum	63.1	53.0
	22:35	61.1	64.2	53.6									
	22:40	58.0	61.2	53.0									
22:45	64.3	64.8	52.9										
22:50	61.1	64.1	53.3										
22:55	59.6	63.1	52.9										



Location: DM1(Day3) Date 8/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	61.4	64.8	54.4	64.3	66.3	54.8
	19:05	63.3	66.8	54.7			
	19:10	62.5	66.1	54.9			
	19:15	68.2	66.4	53.9			
	19:20	63.9	67.6	55.2			
	19:25	62.8	66.1	55.8			
2	19:30	64.2	67.3	57.6	66.0	67.6	59.7
	19:35	69.0	70.2	66.6			
	19:40	68.8	70.0	67.0			
	19:45	63.8	66.4	59.3			
	19:50	61.6	65.4	54.6			
	19:55	62.4	66.0	53.1			
3	20:00	60.1	63.8	52.8	61.1	64.5	52.5
	20:05	61.0	64.6	53.1			
	20:10	60.6	64.2	53.4			
	20:15	61.6	64.1	52.0			
	20:20	61.3	64.4	51.7			
	20:25	62.0	65.9	52.2			
4	20:30	60.4	64.3	53.2	60.8	64.5	52.7
	20:35	61.2	65.0	52.6			
	20:40	60.3	64.0	52.4			
	20:45	60.7	64.5	52.5			
	20:50	61.6	64.5	52.7			
	20:55	60.5	64.4	52.9			
5	21:00	60.7	63.9	52.8	60.4	63.4	53.0
	21:05	60.0	63.6	52.6			
	21:10	60.2	63.7	53.5			
	21:15	60.6	63.9	53.8			
	21:20	59.1	62.2	52.6			
	21:25	61.3	63.1	52.5			
6	21:30	59.3	62.4	52.1	59.6	62.6	52.4
	21:35	59.9	63.2	52.1			
	21:40	59.0	62.3	52.4			
	21:45	59.8	62.4	52.1			
	21:50	58.8	62.3	52.8			
	21:55	60.4	62.8	52.9			
7	22:00	58.7	61.6	53.3	59.7	62.7	52.9
	22:05	59.6	63.1	53.0			
	22:10	61.7	63.6	52.8			
	22:15	58.4	61.5	52.2			
	22:20	60.0	63.6	52.8			
	22:25	59.1	62.8	53.0			
8	22:30	59.9	63.3	53.0	61.2	63.0	52.6
	22:35	59.4	63.0	53.3			
	22:40	65.2	63.5	52.5			
	22:45	59.5	62.9	52.8			
	22:50	59.7	62.9	52.1			
	22:55	59.4	62.2	52.1			
		Mean			61.6	64.3	53.8
		Maximum			66.0	67.6	59.7
		Minimum			59.6	62.6	52.4



Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	61.5	64.6	55.6	61.0	64.0	52.8
	19:05	59.1	62.6	53.1			
	19:10	62.3	65.8	52.6			
	19:15	59.2	62.1	52.2			
	19:20	60.7	64.5	51.7			
	19:25	62.1	64.6	51.7			
2	19:30	61.9	65.8	53.7	62.5	64.5	56.1
	19:35	62.9	65.3	56.2			
	19:40	65.5	66.6	64.4			
	19:45	62.9	65.0	57.4			
	19:50	59.7	62.4	53.2			
	19:55	58.4	61.9	51.4			
3	20:00	58.9	62.2	51.7	58.5	61.8	51.7
	20:05	58.6	62.4	51.8			
	20:10	59.3	62.8	52.2			
	20:15	59.1	62.1	51.8			
	20:20	57.6	60.8	50.9			
	20:25	57.4	60.4	51.5			
4	20:30	59.3	62.8	51.6	58.8	62.0	51.8
	20:35	57.0	60.5	51.4			
	20:40	58.5	61.5	51.9			
	20:45	58.2	61.2	51.6			
	20:50	59.5	63.3	52.3			
	20:55	59.5	62.6	52.1			
5	21:00	60.8	62.8	52.7	60.3	62.9	52.3
	21:05	60.2	63.9	51.8			
	21:10	61.8	63.4	51.6			
	21:15	60.8	63.7	52.9			
	21:20	59.2	62.8	52.3			
	21:25	57.6	60.7	52.5			
6	21:30	60.1	63.7	53.3	59.5	62.9	52.7
	21:35	60.7	64.4	52.9			
	21:40	58.2	61.5	52.6			
	21:45	58.8	62.3	52.2			
	21:50	59.1	62.5	52.5			
	21:55	59.6	62.7	52.6			
7	22:00	60.5	63.9	52.5	61.4	63.0	52.2
	22:05	59.8	63.3	51.9			
	22:10	60.0	63.8	52.8			
	22:15	65.9	63.3	51.6			
	22:20	58.4	61.3	52.0			
	22:25	58.6	62.1	52.4			
8	22:30	59.9	63.3	51.9	59.1	62.6	52.3
	22:35	58.0	61.4	52.0			
	22:40	59.9	64.0	52.1			
	22:45	58.4	61.5	52.4			
	22:50	59.3	63.2	52.6			
	22:55	58.8	62.3	52.5			
		Mean		60.1	63.0	52.7	
		Maximum		62.5	64.5	56.1	
		Minimum		58.5	61.8	51.7	



Location: DM1(Day5) Date 10/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	62.1	65.4	55.4	61.3	64.5	54.8
	19:05	61.2	64.6	54.7			
	19:10	60.8	64.3	54.0			
	19:15	60.9	64.0	55.0			
	19:20	61.5	64.4	54.3			
	19:25	61.4	64.5	55.1			
2	19:30	61.1	63.8	55.4	62.9	65.1	56.2
	19:35	61.6	64.7	55.5			
	19:40	65.3	67.2	58.4			
	19:45	64.2	66.6	58.7			
	19:50	62.8	65.0	54.9			
	19:55	59.8	63.2	54.1			
3	20:00	61.5	64.9	55.5	60.9	64.0	53.9
	20:05	61.4	62.9	54.1			
	20:10	60.4	63.8	53.5			
	20:15	60.6	63.6	53.8			
	20:20	60.1	64.0	53.4			
	20:25	61.6	64.8	53.3			
4	20:30	60.5	63.4	52.9	59.8	62.9	53.0
	20:35	59.5	62.5	53.4			
	20:40	60.2	63.3	53.0			
	20:45	58.8	62.3	53.0			
	20:50	58.7	61.5	52.6			
	20:55	60.7	64.2	53.1			
5	21:00	60.1	63.3	53.0	59.5	62.6	52.4
	21:05	58.9	62.3	52.0			
	21:10	61.0	63.6	52.4			
	21:15	58.3	61.9	52.7			
	21:20	59.7	62.4	52.5			
	21:25	58.3	62.3	51.9			
6	21:30	61.9	64.9	52.9	59.7	62.8	52.9
	21:35	59.6	62.4	52.3			
	21:40	58.9	62.1	53.4			
	21:45	59.7	63.7	53.1			
	21:50	59.1	62.1	52.7			
	21:55	58.0	61.6	52.7			
7	22:00	62.8	64.7	52.5	62.5	63.3	52.7
	22:05	59.5	63.0	53.1			
	22:10	59.1	62.8	53.1			
	22:15	58.4	61.9	52.0			
	22:20	67.3	64.7	53.2			
	22:25	59.3	62.9	52.5			
8	22:30	60.1	62.3	53.6	58.8	61.7	52.4
	22:35	59.0	61.7	53.0			
	22:40	58.7	61.6	52.3			
	22:45	57.9	61.2	52.2			
	22:50	59.4	62.5	52.1			
	22:55	56.8	60.6	51.2			
		Mean			60.7	63.4	53.5
		Maximum			62.9	65.1	56.2
		Minimum			58.8	61.7	52.4



Location: DM1(Day6) Date 11/7/2021

Time Period: From 07:00hr to 19:00hr on Holiday

Peroid	Time	Leq (5min)	L10 (5min)	L90 (5min)	Leq (30min)	L10 (Average)	L90 (Average)
1	7:00	68.5	68.9	67.4	67.7	68.2	66.8
	7:05	66.4	67.5	65.2			
	7:10	67.4	67.8	66.8			
	7:15	67.5	68.0	66.8			
	7:20	68.0	68.4	67.3			
	7:25	68.2	68.7	67.5			
2	7:30	67.3	68.0	66.2	66.4	67.4	65.2
	7:35	66.8	67.7	66.0			
	7:40	66.3	67.1	65.4			
	7:45	65.8	67.1	64.1			
	7:50	65.7	66.9	64.4			
	7:55	66.3	67.4	65.1			
3	8:00	66.4	67.6	65.1	65.6	66.9	63.8
	8:05	66.4	67.5	65.2			
	8:10	65.7	67.0	64.5			
	8:15	65.6	67.1	63.9			
	8:20	65.4	66.8	63.9			
	8:25	63.6	65.6	60.3			
4	8:30	62.3	64.6	58.9	63.5	65.5	60.1
	8:35	64.2	66.1	61.8			
	8:40	65.6	67.5	62.1			
	8:45	62.7	65.3	59.2			
	8:50	63.0	64.7	58.8			
	8:55	62.4	64.5	59.6			
5	9:00	63.5	65.4	60.4	65.2	66.5	62.1
	9:05	63.9	65.8	61.3			
	9:10	67.0	68.1	65.9			
	9:15	67.3	68.6	66.0			
	9:20	63.6	65.3	58.8			
	9:25	63.7	65.7	60.0			
6	9:30	62.9	65.1	60.8	61.9	64.7	56.6
	9:35	63.3	66.1	57.6			
	9:40	60.5	63.3	55.6			
	9:45	60.5	64.0	54.2			
	9:50	62.4	65.2	55.3			
	9:55	61.1	64.3	56.0			
7	10:00	62.7	65.3	55.3	62.1	64.9	55.4
	10:05	62.0	65.2	55.7			
	10:10	60.6	63.5	53.9			
	10:15	62.2	65.0	55.3			
	10:20	61.9	64.9	55.6			
	10:25	62.9	65.5	56.5			
8	10:30	63.0	65.6	55.8	64.4	66.5	58.1
	10:35	63.0	66.1	55.8			
	10:40	62.9	66.0	56.8			
	10:45	63.0	65.9	56.5			
	10:50	62.8	65.4	58.7			
	10:55	68.2	70.0	65.0			
9	11:00	69.6	70.5	68.5	66.9	67.9	62.7
	11:05	68.7	69.5	67.9			
	11:10	67.6	69.1	63.2			
	11:15	63.9	65.9	61.2			
	11:20	64.4	66.8	58.6			
	11:25	62.2	65.5	56.6			
10	11:30	62.5	65.9	56.0	62.5	65.8	55.3
	11:35	62.3	65.8	54.6			
	11:40	62.5	66.1	55.0			
	11:45	62.8	66.1	55.0			
	11:50	61.9	65.3	55.1			
	11:55	63.1	65.8	55.8			
11	12:00	63.0	65.4	56.3	62.7	65.6	55.8
	12:05	61.5	64.8	55.0			
	12:10	62.8	66.2	56.9			
	12:15	62.9	66.2	55.7			
	12:20	62.1	65.7	55.6			
	12:25	63.6	65.4	55.1			
12	12:30	63.4	65.7	56.4	63.6	66.2	57.9
	12:35	64.1	67.0	57.2			
	12:40	62.3	65.5	56.8			
	12:45	62.4	65.9	56.8			
	12:50	63.0	65.9	56.8			
	12:55	65.4	67.1	63.5			

Peroid	Time	Leq (5min)	L10 (5min)	L90 (5min)	Leq (30min)	L10 (Average)	L90 (Average)
13	13:00	64.9	66.2	63.4	65.9	67.3	64.0
	13:05	65.3	66.8	63.3			
	13:10	65.1	66.8	63.6			
	13:15	66.7	67.9	64.3			
	13:20	66.3	67.8	64.7			
	13:25	66.6	68.1	64.6			
14	13:30	66.3	67.6	64.6	67.5	68.7	65.5
	13:35	65.6	66.8	64.5			
	13:40	66.4	67.7	64.7			
	13:45	67.2	69.7	64.9			
	13:50	68.4	69.6	66.1			
	13:55	69.8	70.6	68.1			
15	14:00	68.4	70.1	65.3	65.2	67.2	60.4
	14:05	65.9	67.4	62.7			
	14:10	64.5	66.9	61.1			
	14:15	64.1	67.2	58.9			
	14:20	62.9	65.9	57.6			
	14:25	62.4	65.4	56.5			
16	14:30	62.9	66.1	57.6	63.5	66.8	56.9
	14:35	64.6	68.8	57.2			
	14:40	63.5	66.5	56.9			
	14:45	61.6	64.9	56.5			
	14:50	63.4	67.8	56.4			
	14:55	64.3	66.5	56.9			
17	15:00	65.7	69.3	59.3	64.0	66.2	57.4
	15:05	65.7	65.3	56.9			
	15:10	62.8	66.2	56.2			
	15:15	62.7	65.5	56.7			
	15:20	62.5	65.7	56.9			
	15:25	62.9	65.3	58.5			
18	15:30	68.9	70.3	67.1	66.2	67.7	61.6
	15:35	68.1	69.2	66.9			
	15:40	66.6	68.6	62.8			
	15:45	64.1	66.3	58.7			
	15:50	63.1	65.9	57.5			
	15:55	62.7	65.7	56.6			
19	16:00	61.2	64.1	56.7	62.7	65.7	56.3
	16:05	62.6	65.2	56.0			
	16:10	63.4	66.5	56.2			
	16:15	62.6	65.5	56.5			
	16:20	63.0	66.1	56.0			
	16:25	63.0	66.6	56.3			
20	16:30	62.9	66.3	56.4	63.6	66.3	57.4
	16:35	63.6	66.4	57.6			
	16:40	64.6	66.0	57.4			
	16:45	64.7	68.1	58.3			
	16:50	62.2	65.2	57.5			
	16:55	62.9	65.7	56.9			
21	17:00	63.2	66.1	57.7	66.4	66.3	58.6
	17:05	62.0	65.0	56.7			
	17:10	61.8	64.7	56.5			
	17:15	62.3	65.2	56.5			
	17:20	71.2	67.4	59.1			
	17:25	68.0	69.3	65.2			
22	17:30	66.5	68.1	64.1	64.0	66.4	58.0
	17:35	63.6	65.8	59.9			
	17:40	63.7	66.6	57.7			
	17:45	60.9	64.3	55.1			
	17:50	62.9	65.8	55.5			
	17:55	64.6	67.6	55.8			
23	18:00	62.7	65.7	58.2	63.0	66.3	56.9
	18:05	62.1	65.6	56.4			
	18:10	63.3	66.9	56.6			
	18:15	62.3	65.8	55.4			
	18:20	63.7	67.2	57.3			
	18:25	63.8	66.4	57.3			
24	18:30	62.6	66.3	55.5	62.8	66.2	55.0
	18:35	62.2	65.9	53.8			
	18:40	62.6	66.0	55.0			
	18:45	63.5	66.8	55.5			
	18:50	63.2	66.7	55.2			
	18:55	62.3	65.6	55.0			

Mean 64.5
Maximum 67.7
Minimum 61.9

64.5
66.5
66.8
67.7
68.7
68.7
64.7
64.7
66.8
66.8
66.8
67.3
68.7
67.2
66.2
67.7
65.7
66.3
66.3
66.3
66.2
66.2
66.2
66.2

59.5
66.8
66.8
59.5



Location: DM1(Day6) Date 11/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.2	66.2	56.3	63.8	66.9	55.4
	19:05	63.8	66.9	55.6			
	19:10	63.7	67.0	55.8			
	19:15	64.6	67.9	54.9			
	19:20	62.4	66.1	53.6			
	19:25	64.6	67.4	56.4			
2	19:30	65.1	67.7	54.8	64.0	66.9	56.3
	19:35	63.9	67.0	56.5			
	19:40	65.5	68.5	59.4			
	19:45	64.6	67.1	59.1			
	19:50	61.5	65.4	55.0			
	19:55	61.6	65.6	52.7			
3	20:00	65.2	66.3	52.8	62.5	65.3	53.0
	20:05	62.1	65.8	53.5			
	20:10	62.4	65.8	53.7			
	20:15	61.7	64.4	52.4			
	20:20	61.3	65.2	52.5			
	20:25	60.9	64.5	53.1			
4	20:30	60.0	64.0	52.5	61.3	64.8	52.5
	20:35	60.7	64.6	52.0			
	20:40	63.3	65.7	52.7			
	20:45	61.2	64.6	52.8			
	20:50	61.4	65.1	52.5			
	20:55	60.4	64.5	52.7			
5	21:00	61.5	65.4	53.3	61.1	64.7	52.2
	21:05	61.2	65.0	52.3			
	21:10	62.2	65.8	52.2			
	21:15	59.5	63.6	52.0			
	21:20	61.5	64.3	52.0			
	21:25	60.4	64.0	51.3			
6	21:30	59.7	64.3	51.4	63.1	64.7	52.1
	21:35	62.6	65.1	51.9			
	21:40	64.3	64.5	52.3			
	21:45	60.4	63.7	52.4			
	21:50	61.1	64.8	52.3			
	21:55	66.4	65.9	52.1			
7	22:00	60.0	63.2	53.8	58.9	62.2	52.2
	22:05	59.0	62.1	51.7			
	22:10	58.0	61.3	52.1			
	22:15	58.4	62.3	51.4			
	22:20	59.4	62.7	51.8			
	22:25	58.5	61.5	52.2			
8	22:30	59.6	62.8	52.3	58.9	62.3	52.5
	22:35	57.1	60.4	52.4			
	22:40	58.4	62.1	52.1			
	22:45	58.3	61.7	51.8			
	22:50	59.7	63.2	53.3			
	22:55	59.9	63.5	52.9			
		Mean			61.7	64.7	53.3
		Maximum			64.0	66.9	56.3
		Minimum			58.9	62.2	52.1





Location: DM1(Day7) Date 12/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
1	19:00	60.8	63.7	53.8	61.0	64.0	54.5	
	19:05	61.3	64.4	54.3				
	19:10	60.7	63.8	54.6				
	19:15	59.7	63.1	54.1				
	19:20	62.3	64.8	55.7				
	19:25	60.8	64.2	54.3				
2	19:30	60.8	64.0	54.9	61.2	64.3	55.3	
	19:35	61.9	65.1	54.7				
	19:40	60.9	63.6	56.0				
	19:45	61.9	64.8	57.5				
	19:50	61.3	64.2	55.5				
	19:55	60.5	63.9	53.2				
3	20:00	60.4	64.1	53.5	60.1	63.5	53.1	
	20:05	60.0	63.5	54.0				
	20:10	60.8	63.9	53.4				
	20:15	60.9	64.2	53.4				
	20:20	58.7	62.1	52.2				
	20:25	59.6	62.9	52.0				
4	20:30	59.3	62.0	52.9	59.6	62.4	52.6	
	20:35	58.6	61.7	52.3				
	20:40	60.8	63.5	52.6				
	20:45	61.3	63.7	53.7				
	20:50	58.7	62.4	52.1				
	20:55	57.6	60.8	51.9				
5	21:00	58.8	62.0	52.2	59.7	62.7	52.1	
	21:05	59.0	62.1	52.5				
	21:10	60.2	63.3	52.2				
	21:15	58.5	61.8	51.9				
	21:20	59.5	63.0	52.2				
	21:25	61.3	63.7	51.5				
6	21:30	64.7	62.0	51.4	60.4	61.8	51.4	
	21:35	59.2	62.0	51.3				
	21:40	58.5	61.1	51.7				
	21:45	59.2	62.3	51.3				
	21:50	58.8	62.1	51.4				
	21:55	57.9	61.1	51.4				
7	22:00	59.5	63.1	51.7	58.6	62.2	51.6	
	22:05	58.9	62.7	51.9				
	22:10	58.6	62.5	51.0				
	22:15	58.1	61.6	52.1				
	22:20	58.6	62.1	51.9				
	22:25	57.7	61.1	51.2				
8	22:30	58.9	62.3	52.1	60.2	61.9	51.7	
	22:35	58.4	61.7	52.2				
	22:40	63.8	60.9	51.6				
	22:45	58.8	62.0	51.2				
	22:50	59.8	62.8	52.1				
	22:55	58.3	61.6	51.0				
					Mean	60.1	62.8	52.8
					Maximum	61.2	64.3	55.3
					Minimum	58.6	61.8	51.4



Location: DM1(Day8) Date 13/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	60.2	65.1	54.3	62.0	66.7	55.3
	19:05	61.9	66.4	55.4			
	19:10	62.7	67.1	55.6			
	19:15	62.9	67.6	56.8			
	19:20	62.4	67.6	54.6			
	19:25	61.2	66.1	55.2			
2	19:30	62.4	67.1	54.8	63.6	67.1	56.6
	19:35	61.4	66.0	55.7			
	19:40	66.5	68.9	59.3			
	19:45	65.5	68.6	60.7			
	19:50	60.8	65.3	54.7			
	19:55	61.3	66.4	54.5			
3	20:00	60.5	66.1	53.2	61.1	66.3	53.6
	20:05	61.5	66.5	53.7			
	20:10	61.6	66.9	54.7			
	20:15	60.0	65.3	53.3			
	20:20	62.2	67.9	53.9			
	20:25	60.3	65.2	52.7			
4	20:30	60.4	64.8	56.0	60.3	65.1	54.3
	20:35	60.2	65.2	55.6			
	20:40	60.4	64.9	55.8			
	20:45	61.7	66.8	54.4			
	20:50	60.2	65.6	52.2			
	20:55	58.0	63.5	52.0			
5	21:00	58.9	64.5	52.5	59.7	65.0	52.6
	21:05	60.3	65.9	52.7			
	21:10	60.2	65.2	52.7			
	21:15	59.7	64.8	52.4			
	21:20	59.9	65.1	53.1			
	21:25	58.6	64.2	52.0			
6	21:30	59.0	64.5	52.7	60.1	64.9	52.7
	21:35	61.7	66.5	52.7			
	21:40	61.8	64.5	53.3			
	21:45	59.7	65.1	52.8			
	21:50	58.6	63.8	52.4			
	21:55	58.9	64.9	52.2			
7	22:00	60.7	66.0	52.5	61.0	65.9	52.7
	22:05	58.8	64.4	52.0			
	22:10	61.5	66.4	53.3			
	22:15	59.3	65.0	52.6			
	22:20	62.1	65.9	52.6			
	22:25	62.4	67.6	53.0			
8	22:30	61.3	66.4	53.0	60.0	65.0	52.3
	22:35	60.0	65.2	52.3			
	22:40	57.7	62.6	52.7			
	22:45	59.2	65.1	52.2			
	22:50	59.4	64.3	51.9			
	22:55	61.2	66.3	51.9			
		Mean			61.0	65.7	53.8
		Maximum			63.6	67.1	56.6
		Minimum			59.7	64.9	52.3



Location: DM1(Day9) Date 14/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.3	66.6	57.6	63.7	66.6	56.5
	19:05	63.6	66.7	57.6			
	19:10	65.2	67.5	57.3			
	19:15	63.7	67.1	55.5			
	19:20	63.4	65.7	56.5			
	19:25	62.7	65.9	54.7			
2	19:30	65.1	67.4	56.6	63.4	66.6	55.1
	19:35	63.4	67.0	55.3			
	19:40	64.2	67.3	58.5			
	19:45	62.4	65.8	53.7			
	19:50	62.5	66.3	53.5			
	19:55	62.1	65.9	52.8			
3	20:00	62.4	65.8	53.4	61.8	65.3	53.1
	20:05	62.2	65.7	53.7			
	20:10	60.6	64.5	52.6			
	20:15	62.3	65.3	52.8			
	20:20	61.7	65.6	53.6			
	20:25	61.0	65.0	52.4			
4	20:30	61.4	65.0	52.8	61.8	65.4	52.7
	20:35	61.5	65.2	53.1			
	20:40	61.6	65.3	53.0			
	20:45	61.3	64.6	52.2			
	20:50	62.9	66.1	52.9			
	20:55	61.9	66.3	52.2			
5	21:00	60.2	64.6	51.8	62.3	64.9	51.9
	21:05	61.3	64.5	51.7			
	21:10	60.4	64.5	51.6			
	21:15	61.4	65.6	52.6			
	21:20	60.4	64.3	51.7			
	21:25	66.3	65.8	52.2			
6	21:30	61.7	64.8	52.0	61.9	65.0	52.3
	21:35	61.3	64.8	52.3			
	21:40	62.5	66.3	52.0			
	21:45	60.8	64.9	52.9			
	21:50	60.1	63.4	51.8			
	21:55	64.0	65.7	52.7			
7	22:00	61.8	66.0	53.0	61.6	65.3	53.1
	22:05	60.9	64.4	52.4			
	22:10	62.2	66.0	53.5			
	22:15	61.7	65.4	53.4			
	22:20	60.8	64.7	52.8			
	22:25	62.1	65.2	53.3			
8	22:30	59.7	63.3	52.8	62.2	64.7	52.8
	22:35	60.4	64.7	52.5			
	22:40	61.0	64.8	52.6			
	22:45	59.5	63.3	52.4			
	22:50	66.5	67.1	53.4			
	22:55	61.6	65.2	52.9			
		Mean		62.4	65.5	53.4	
		Maximum		63.4	66.6	55.1	
		Minimum		61.6	64.7	51.9	



Location: DM1(Day10) Date 15/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.5	66.2	59.7	64.0	66.7	55.4
	19:05	63.5	67.2	54.1			
	19:10	63.1	66.9	53.1			
	19:15	64.1	67.1	56.9			
	19:20	66.0	66.6	54.0			
	19:25	62.9	66.3	54.3			
2	19:30	62.7	66.2	54.8	62.4	65.6	54.4
	19:35	64.3	66.7	55.2			
	19:40	62.7	66.3	56.6			
	19:45	61.3	65.2	53.6			
	19:50	61.7	64.9	53.4			
	19:55	61.0	64.1	52.9			
3	20:00	61.6	65.6	53.2	61.3	65.0	52.5
	20:05	61.4	64.4	53.1			
	20:10	60.3	64.8	52.1			
	20:15	62.2	65.4	52.8			
	20:20	61.6	65.5	52.1			
	20:25	60.7	64.0	51.4			
4	20:30	59.3	63.1	51.1	61.8	65.0	51.7
	20:35	62.3	65.6	51.2			
	20:40	62.9	66.8	52.9			
	20:45	61.7	65.1	52.1			
	20:50	59.6	63.3	51.4			
	20:55	63.3	65.9	51.4			
5	21:00	61.4	63.8	52.4	62.9	64.1	53.3
	21:05	61.6	65.4	52.7			
	21:10	67.7	65.9	54.8			
	21:15	59.4	62.9	53.4			
	21:20	61.2	64.6	53.6			
	21:25	58.8	62.2	52.9			
6	21:30	60.0	64.2	52.6	60.6	63.5	52.6
	21:35	61.9	63.2	52.6			
	21:40	61.7	63.9	52.7			
	21:45	60.6	64.3	52.9			
	21:50	59.4	62.7	52.2			
	21:55	58.8	62.4	52.7			
7	22:00	62.2	66.0	53.0	60.3	63.9	52.0
	22:05	60.2	64.0	52.4			
	22:10	60.0	63.8	52.6			
	22:15	59.4	63.2	51.4			
	22:20	59.1	63.0	50.9			
	22:25	59.8	63.4	51.9			
8	22:30	62.4	65.2	52.2	60.7	64.2	51.9
	22:35	61.1	64.7	52.0			
	22:40	59.8	63.8	52.3			
	22:45	58.9	62.8	51.9			
	22:50	61.2	64.5	51.6			
	22:55	59.8	64.1	51.3			
		Mean			61.7	64.7	53.0
		Maximum			62.9	65.6	54.4
		Minimum			60.3	63.5	51.7



Location: DM1(Day11) Date 16/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	62.4	65.8	56.0	62.4	65.7	55.6
	19:05	62.7	65.7	55.6			
	19:10	61.7	65.3	55.3			
	19:15	62.5	66.2	56.2			
	19:20	63.3	66.0	54.9			
	19:25	61.8	64.9	55.3			
2	19:30	60.4	63.8	54.7	61.6	64.8	54.9
	19:35	63.0	66.4	56.1			
	19:40	61.6	64.5	55.8			
	19:45	61.0	63.9	54.2			
	19:50	61.3	64.7	55.2			
	19:55	61.8	65.5	53.6			
3	20:00	60.1	63.9	53.9	61.0	64.4	54.4
	20:05	61.6	65.4	55.0			
	20:10	61.6	65.3	54.7			
	20:15	60.7	63.4	54.3			
	20:20	61.5	64.9	54.8			
	20:25	60.5	63.6	53.9			
4	20:30	61.5	65.1	55.9	61.2	64.5	55.0
	20:35	61.3	65.0	55.2			
	20:40	61.7	65.0	54.6			
	20:45	61.2	64.7	55.4			
	20:50	60.2	63.0	54.6			
	20:55	61.0	64.2	54.5			
5	21:00	60.8	64.6	54.9	61.0	64.4	54.7
	21:05	61.1	64.8	54.3			
	21:10	61.6	65.0	55.0			
	21:15	61.0	64.7	54.4			
	21:20	61.1	64.6	54.4			
	21:25	60.0	62.8	55.1			
6	21:30	62.8	65.9	55.3	61.5	64.9	54.9
	21:35	61.6	65.1	55.0			
	21:40	61.8	65.2	55.3			
	21:45	60.8	64.3	54.5			
	21:50	61.8	65.2	55.2			
	21:55	59.9	63.4	54.0			
7	22:00	60.7	64.8	54.7	61.3	64.8	55.0
	22:05	62.4	65.9	55.1			
	22:10	61.3	64.5	55.6			
	22:15	61.5	65.2	54.1			
	22:20	60.7	64.0	55.3			
	22:25	61.2	64.1	55.4			
8	22:30	63.4	65.8	55.0	61.2	64.4	54.6
	22:35	60.3	64.0	54.2			
	22:40	60.8	63.9	54.8			
	22:45	61.0	64.9	54.7			
	22:50	60.9	64.0	54.6			
	22:55	59.9	63.9	54.0			
		Mean			61.4	64.7	54.9
		Maximum			62.4	65.7	55.6
		Minimum			61.0	64.4	54.4



Location: DM1(Day12) Date 17/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	64.2	66.9	57.5	63.3	66.4	55.6
	19:05	63.4	66.5	54.4			
	19:10	63.7	67.0	55.9			
	19:15	63.2	66.6	55.9			
	19:20	62.5	65.7	55.0			
	19:25	62.5	65.4	54.8			
2	19:30	63.8	66.7	56.3	64.7	66.9	58.2
	19:35	64.1	67.0	57.5			
	19:40	67.0	68.1	64.2			
	19:45	65.3	67.7	59.9			
	19:50	62.2	65.5	55.6			
	19:55	64.3	66.6	55.7			
3	20:00	60.9	64.6	53.6	62.1	65.4	54.1
	20:05	61.9	65.5	54.2			
	20:10	62.5	65.6	54.6			
	20:15	62.4	65.4	54.0			
	20:20	63.5	66.6	54.0			
	20:25	61.2	64.7	54.2			
4	20:30	61.2	65.1	54.0	61.7	65.2	53.6
	20:35	62.1	64.9	54.0			
	20:40	62.4	66.7	53.5			
	20:45	61.4	64.3	52.8			
	20:50	61.6	65.5	53.7			
	20:55	61.2	64.7	53.5			
5	21:00	59.4	63.2	52.5	60.7	64.4	53.0
	21:05	62.0	65.7	53.1			
	21:10	60.7	64.4	52.9			
	21:15	60.7	64.9	52.7			
	21:20	61.3	65.1	53.0			
	21:25	59.4	63.2	53.5			
6	21:30	60.8	64.3	53.1	61.3	64.6	53.4
	21:35	60.8	63.9	53.0			
	21:40	62.7	66.3	54.2			
	21:45	61.8	65.3	53.3			
	21:50	60.0	63.0	52.9			
	21:55	61.2	64.7	53.9			
7	22:00	60.5	64.1	53.3	61.0	64.5	53.2
	22:05	61.6	65.6	53.0			
	22:10	60.8	64.7	53.6			
	22:15	59.6	63.4	52.9			
	22:20	60.3	64.2	53.2			
	22:25	62.3	64.9	53.3			
8	22:30	60.1	63.7	53.1	60.4	64.2	52.9
	22:35	60.4	64.8	52.6			
	22:40	60.9	64.6	54.0			
	22:45	60.1	64.1	52.5			
	22:50	61.4	64.9	52.8			
	22:55	59.3	63.1	52.4			
		Mean			61.9	65.2	54.2
		Maximum			64.7	66.9	58.2
		Minimum			60.4	64.2	52.9



Time Period: From 07:00hr to 19:00hr on Holiday

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	65.0	66.0	63.6	65.1	66.6	63.5
	7:05	64.9	66.4	63.7			
	7:10	65.4	67.1	63.8			
	7:15	65.6	66.7	63.8			
	7:20	65.3	66.6	63.3			
	7:25	64.7	66.7	63.0			
2	7:30	64.7	65.9	63.2	64.8	66.5	62.4
	7:35	65.0	66.4	62.0			
	7:40	64.6	66.4	62.8			
	7:45	64.8	66.1	62.6			
	7:50	64.6	66.5	62.0			
	7:55	65.2	67.7	61.7			
3	8:00	65.2	67.1	63.2	64.8	67.0	61.8
	8:05	65.1	67.2	62.8			
	8:10	64.7	67.1	61.6			
	8:15	64.7	67.3	60.4			
	8:20	63.7	66.3	60.8			
	8:25	65.2	67.1	62.1			
4	8:30	69.7	68.2	62.0	65.8	66.9	60.2
	8:35	63.7	65.7	61.0			
	8:40	64.9	67.4	60.8			
	8:45	64.6	67.0	60.6			
	8:50	63.8	66.5	59.3			
	8:55	64.1	66.8	57.7			
5	9:00	63.2	66.1	57.0	63.9	66.9	57.4
	9:05	64.8	68.0	57.9			
	9:10	63.2	66.3	57.2			
	9:15	63.5	66.6	57.2			
	9:20	64.3	67.2	57.5			
	9:25	64.1	67.0	57.7			
6	9:30	65.9	67.2	57.1	63.7	66.4	57.0
	9:35	63.4	66.9	55.7			
	9:40	63.0	66.5	55.3			
	9:45	63.6	66.4	56.6			
	9:50	62.8	65.8	58.4			
	9:55	62.8	65.3	58.6			
7	10:00	65.8	68.1	63.1	65.0	67.5	60.3
	10:05	65.6	67.8	62.6			
	10:10	64.5	67.4	60.3			
	10:15	65.6	68.5	60.5			
	10:20	64.4	67.1	57.1			
	10:25	64.0	66.0	58.3			
8	10:30	62.5	65.9	54.7	66.0	68.8	56.1
	10:35	62.0	65.5	53.5			
	10:40	62.7	66.3	54.3			
	10:45	66.9	71.0	56.1			
	10:50	68.4	72.0	59.8			
	10:55	68.1	71.8	58.1			
9	11:00	64.2	67.0	57.9	63.9	67.2	56.2
	11:05	62.7	66.1	57.0			
	11:10	63.3	67.2	55.6			
	11:15	64.3	67.4	55.4			
	11:20	64.1	67.4	56.0			
	11:25	64.6	68.1	55.3			
10	11:30	63.7	67.1	55.5	63.6	66.8	56.2
	11:35	63.1	66.5	56.7			
	11:40	65.0	68.3	56.8			
	11:45	63.5	67.0	57.0			
	11:50	63.0	67.0	55.6			
	11:55	62.4	65.1	55.8			
11	12:00	62.0	65.2	56.0	64.3	66.4	57.1
	12:05	62.7	66.4	54.4			
	12:10	62.6	65.9	55.0			
	12:15	62.8	65.4	54.9			
	12:20	63.1	65.8	55.2			
	12:25	68.5	69.4	67.1			
12	12:30	68.8	70.0	67.7	65.0	66.5	59.0
	12:35	66.0	68.8	56.6			
	12:40	60.4	63.6	55.4			
	12:45	60.9	64.0	55.0			
	12:50	62.3	65.3	57.9			
	12:55	65.5	67.2	61.3			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	65.3	67.5	62.0	62.8	65.2	58.2
	13:05	64.0	66.6	59.5			
	13:10	61.3	64.2	56.8			
	13:15	61.7	64.8	57.7			
	13:20	61.5	64.1	57.4			
	13:25	61.3	63.9	55.9			
14	13:30	63.1	66.5	56.5	63.5	66.1	56.2
	13:35	62.8	65.8	57.3			
	13:40	65.6	66.9	56.7			
	13:45	63.9	66.4	55.6			
	13:50	62.4	65.8	55.5			
	13:55	62.1	65.2	55.3			
15	14:00	63.5	65.8	57.1	71.0	69.8	60.6
	14:05	70.8	70.2	57.1			
	14:10	76.8	76.0	64.2			
	14:15	68.1	69.8	65.0			
	14:20	66.9	70.2	61.0			
	14:25	63.6	66.5	59.4			
16	14:30	65.1	68.3	59.0	64.0	67.0	58.1
	14:35	64.7	68.1	58.8			
	14:40	64.0	67.2	59.0			
	14:45	63.7	66.3	57.7			
	14:50	63.5	66.1	57.9			
	14:55	62.3	65.8	56.4			
17	15:00	62.0	64.9	56.0	63.3	66.5	56.6
	15:05	63.6	66.2	56.8			
	15:10	63.4	67.0	56.4			
	15:15	64.4	67.9	56.4			
	15:20	62.9	66.5	56.7			
	15:25	63.4	66.5	57.2			
18	15:30	63.6	66.6	57.1	63.3	66.0	57.0
	15:35	62.7	65.9	55.1			
	15:40	62.7	66.2	55.5			
	15:45	63.5	65.8	56.8			
	15:50	61.2	64.3	56.3			
	15:55	65.0	67.0	61.3			
19	16:00	64.5	66.9	59.5	63.6	66.5	56.6
	16:05	64.4	67.1	58.1			
	16:10	64.1	66.8	56.3			
	16:15	61.9	65.4	55.1			
	16:20	63.4	66.9	54.5			
	16:25	62.6	66.1	55.9			
20	16:30	62.3	66.1	55.6	62.4	66.0	54.8
	16:35	61.7	65.1	55.4			
	16:40	62.9	67.0	54.1			
	16:45	63.0	66.8	55.3			
	16:50	61.5	65.2	54.7			
	16:55	62.4	65.8	53.7			
21	17:00	63.0	66.3	56.8	63.3	66.5	56.6
	17:05	64.3	66.7	60.0			
	17:10	63.2	66.1	59.0			
	17:15	62.8	66.5	54.1			
	17:20	62.4	66.3	54.1			
	17:25	63.6	67.2	55.5			
22	17:30	64.9	67.3	60.2	64.0	66.9	57.9
	17:35	65.3	67.4	61.9			
	17:40	63.6	66.6	58.0			
	17:45	62.8	66.8	55.0			
	17:50	62.6	66.0	55.6			
	17:55	64.2	67.5	56.6			
23	18:00	63.8	67.2	56.7	63.0	66.3	56.5
	18:05	62.5	66.2	56.3			
	18:10	62.8	66.0	56.7			
	18:15	62.3	66.0	56.3			
	18:20	61.7	65.1	56.5			
	18:25	64.4	67.1	56.5			
24	18:30	64.4	67.2	58.1	64.0	66.9	57.0
	18:35	63.7	66.9	57.3			
	18:40	63.9	67.0	56.4			
	18:45	64.5	67.1	55.7			
	18:50	64.1	66.9	57.1			
	18:55	62.9	66.5	57.2			

Mean 64.3 66.8 58.1
 Maximum 71.0 69.8 63.5
 Minimum 62.4 66.0 54.8



Location: DM1(Day13) Date 18/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.9	66.6	56.3	63.4	66.5	56.6
	19:05	63.3	66.6	57.1			
	19:10	62.9	66.1	56.4			
	19:15	63.6	66.8	57.2			
	19:20	63.8	66.8	56.8			
	19:25	62.6	66.2	55.8			
2	19:30	62.7	66.4	56.4	63.9	66.7	58.2
	19:35	62.4	66.0	56.8			
	19:40	66.1	68.3	63.2			
	19:45	64.1	67.0	59.0			
	19:50	63.1	65.9	57.1			
	19:55	63.6	66.7	56.6			
3	20:00	63.3	65.9	56.4	62.5	65.6	55.4
	20:05	63.3	66.4	55.8			
	20:10	62.4	66.0	54.7			
	20:15	61.3	64.5	55.6			
	20:20	62.0	65.4	55.1			
	20:25	62.4	65.5	54.5			
4	20:30	62.9	65.7	55.4	62.0	65.1	55.1
	20:35	61.9	65.4	55.6			
	20:40	60.3	63.5	54.9			
	20:45	63.6	66.1	55.2			
	20:50	61.0	64.7	55.0			
	20:55	61.7	65.2	54.5			
5	21:00	60.3	64.1	54.0	61.1	64.5	54.6
	21:05	59.6	63.1	54.4			
	21:10	60.5	64.0	54.3			
	21:15	61.6	65.2	55.0			
	21:20	62.1	65.4	55.2			
	21:25	61.9	65.4	54.5			
6	21:30	61.0	64.8	54.6	62.3	65.7	55.0
	21:35	62.7	66.0	55.2			
	21:40	63.1	65.7	55.5			
	21:45	61.4	64.8	55.2			
	21:50	63.8	68.0	55.0			
	21:55	60.8	64.6	54.5			
7	22:00	60.9	64.3	54.7	62.1	65.2	55.5
	22:05	62.0	65.4	55.8			
	22:10	61.9	65.6	55.4			
	22:15	63.6	65.5	55.9			
	22:20	62.3	65.3	55.5			
	22:25	61.8	65.2	55.4			
8	22:30	61.3	64.6	55.2	61.8	65.3	55.3
	22:35	61.3	64.9	55.8			
	22:40	62.7	66.1	55.4			
	22:45	62.0	65.7	55.4			
	22:50	62.0	65.6	55.4			
	22:55	61.5	64.6	54.4			
		Mean			62.4	65.6	55.7
		Maximum			63.9	66.7	58.2
		Minimum			61.1	64.5	54.6



Location: DM1(Day14) Date 22/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.2	66.9	55.5	63.1	66.7	55.3
	19:05	63.3	66.8	55.3			
	19:10	62.5	66.5	54.5			
	19:15	63.5	67.3	56.1			
	19:20	63.7	67.4	55.6			
	19:25	62.2	65.4	55.0			
2	19:30	62.0	65.5	56.3	61.8	65.4	55.0
	19:35	62.2	66.0	56.1			
	19:40	62.2	65.6	55.7			
	19:45	62.1	65.5	54.8			
	19:50	61.5	65.0	53.5			
	19:55	60.7	64.6	53.8			
3	20:00	60.1	64.1	53.6	60.7	64.4	53.9
	20:05	60.5	63.7	53.6			
	20:10	60.4	63.9	54.1			
	20:15	60.4	64.3	53.7			
	20:20	61.6	65.5	54.0			
	20:25	60.9	64.8	54.4			
4	20:30	60.0	63.7	53.3	60.2	63.7	53.5
	20:35	60.0	62.3	53.7			
	20:40	60.4	64.7	53.6			
	20:45	60.9	64.2	53.8			
	20:50	59.6	63.1	53.3			
	20:55	60.3	64.1	53.3			
5	21:00	60.4	63.7	53.3	60.0	63.5	53.2
	21:05	59.7	63.0	53.2			
	21:10	59.7	63.4	52.9			
	21:15	60.7	64.9	52.9			
	21:20	59.0	62.3	53.1			
	21:25	60.1	63.7	53.6			
6	21:30	59.7	62.9	54.2	61.0	63.7	54.5
	21:35	60.6	63.9	54.3			
	21:40	60.1	63.1	54.3			
	21:45	63.6	66.2	56.3			
	21:50	60.6	62.6	54.0			
	21:55	60.1	63.7	53.9			
7	22:00	61.3	64.5	53.9	60.4	63.8	54.0
	22:05	60.9	64.9	54.1			
	22:10	60.6	64.3	54.5			
	22:15	58.7	62.0	53.5			
	22:20	59.2	62.6	53.4			
	22:25	60.9	64.5	54.5			
8	22:30	60.8	64.1	53.4	60.5	63.6	53.7
	22:35	60.5	64.0	54.1			
	22:40	59.4	61.9	52.9			
	22:45	58.4	61.5	52.9			
	22:50	60.8	64.6	54.0			
	22:55	61.9	65.2	54.6			
		Mean		61.0	64.3	54.1	
		Maximum		61.8	65.4	55.0	
		Minimum		60.0	63.5	53.2	



Appendix C4

Baseline Noise Monitoring Data_DM1_Night Time (2300-0700 of next day)



Location: DM1(Day1) Date 6/7/2021

Time Period: From 23:00hr to 07:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	62.3	62.2	52.2	59.6	61.5	52.5
	23:05	57.6	60.7	52.3			
	23:10	59.8	62.8	53.0			
	23:15	58.9	61.9	52.5			
	23:20	56.9	59.8	52.1			
2	23:25	59.6	61.6	52.6	57.8	60.4	51.5
	23:30	57.3	59.6	51.9			
	23:35	59.3	61.9	51.9			
	23:40	58.3	61.0	51.6			
	23:45	56.5	59.9	51.6			
3	23:50	57.3	59.8	51.0	59.5	59.8	50.7
	23:55	57.5	60.4	51.1			
	0:00	64.5	61.2	51.3			
	0:05	57.3	60.4	50.6			
	0:10	57.5	59.1	51.0			
4	0:15	57.7	60.2	50.6	69.2	58.4	50.1
	0:20	56.5	59.3	50.8			
	0:25	56.4	58.4	50.0			
	0:30	76.8	61.0	50.8			
	0:35	54.5	57.3	50.3			
5	0:40	55.7	57.9	50.0	56.4	57.4	49.7
	0:45	57.0	58.8	50.0			
	0:50	54.9	57.1	49.7			
	0:55	55.7	58.1	49.7			
	1:00	54.6	57.6	49.4			
6	1:05	60.2	58.2	49.7	54.1	55.2	48.9
	1:10	55.1	56.5	50.1			
	1:15	56.4	59.1	50.1			
	1:20	54.3	56.5	49.3			
	1:25	54.3	56.7	49.7			
7	1:30	54.1	56.1	49.3	53.4	55.2	48.4
	1:35	51.3	53.2	48.9			
	1:40	53.7	54.6	49.2			
	1:45	53.9	56.0	48.7			
	1:50	56.1	56.6	48.8			
8	1:55	54.1	54.9	48.4	54.2	54.1	50.0
	2:00	53.9	55.7	49.0			
	2:05	54.0	55.9	48.2			
	2:10	52.9	55.0	47.9			
	2:15	52.0	53.5	48.5			
9	2:20	53.2	55.1	48.2	56.8	54.9	49.5
	2:25	54.1	56.1	48.3			
	2:30	51.7	52.1	49.1			
	2:35	53.9	55.0	49.5			
	2:40	52.3	52.1	49.6			
10	2:45	54.4	55.9	50.6	54.5	54.8	47.5
	2:50	52.6	53.7	50.7			
	2:55	57.4	55.8	50.7			
	3:00	54.5	55.1	52.6			
	3:05	57.4	58.1	51.5			
11	3:10	55.3	56.0	48.8	51.5	52.6	47.3
	3:15	51.6	52.7	48.3			
	3:20	61.6	54.7	48.3			
	3:25	51.1	52.8	47.5			
	3:30	52.4	54.2	47.1			
12	3:35	52.3	52.4	47.5	52.6	52.3	47.7
	3:40	52.3	53.1	47.9			
	3:45	59.0	59.2	47.8			
	3:50	52.8	54.8	47.2			
	3:55	52.4	55.0	47.2			
	4:00	50.2	51.6	47.6	52.6	52.3	47.7
	4:05	50.5	51.8	47.9			
	4:10	52.6	53.5	46.5			
	4:15	53.5	55.6	46.9			
	4:20	49.4	50.6	46.8			
	4:25	51.3	52.2	48.0	52.6	52.3	47.7
	4:30	52.9	52.3	48.0			
	4:35	51.9	54.0	47.8			
	4:40	55.6	54.0	47.7			
	4:45	52.2	52.2	47.5			
	4:50	50.2	50.9	47.3	52.6	52.3	47.7
	4:55	49.9	50.6	47.6			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	51.6	50.8	47.7	51.9	51.6	47.7
	5:05	52.4	53.4	47.9			
	5:10	50.0	50.5	47.6			
	5:15	53.2	51.9	47.4			
	5:20	51.9	51.9	47.7			
14	5:25	51.7	50.8	47.7	65.1	60.5	54.9
	5:30	50.6	51.8	48.4			
	5:35	54.1	55.1	48.3			
	5:40	52.3	53.8	47.9			
	5:45	57.4	61.5	49.8			
15	5:50	69.2	70.2	65.9	65.1	65.1	62.7
	5:55	69.9	70.3	69.3			
	6:00	68.7	69.1	68.2			
	6:05	67.1	68.2	65.6			
	6:10	64.2	65.9	61.9			
16	6:15	61.5	62.6	60.2	67.0	67.4	65.5
	6:20	61.2	61.8	59.6			
	6:25	61.9	62.7	60.8			
	6:30	63.8	65.4	61.7			
	6:35	64.6	65.3	63.6			
	6:40	65.7	66.3	64.8	67.0	67.4	65.5
	6:45	67.6	68.5	66.1			
	6:50	68.8	69.1	68.4			
	6:55	69.0	69.7	68.5			
	Mean						
Maximum				69.2	67.4	65.5	
Minimum				51.5	52.3	47.3	



Location: DM1(Day2) Date 7/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	59.1	62.0	52.4	60.3	62.7	52.2
	23:05	59.1	62.2	52.4			
	23:10	60.7	64.0	52.6			
	23:15	58.7	61.8	52.4			
	23:20	59.1	62.6	51.9			
2	23:25	63.2	63.4	51.5	59.3	61.9	52.0
	23:30	59.1	62.1	51.8			
	23:35	61.0	63.6	52.0			
	23:40	56.2	59.0	51.1			
	23:45	59.9	62.8	52.2			
3	23:50	60.5	64.4	52.5	57.9	60.5	50.9
	23:55	57.3	59.4	52.1			
	0:00	57.4	60.7	51.5			
	0:05	58.5	61.3	51.2			
	0:10	58.9	61.4	50.8			
4	0:15	58.9	61.0	51.2	58.1	59.4	50.7
	0:20	56.8	58.7	50.6			
	0:25	56.4	59.9	50.2			
	0:30	55.7	59.0	50.4			
	0:35	61.4	60.4	50.4			
5	0:40	56.9	57.4	50.8	56.0	58.7	50.3
	0:45	58.0	60.8	51.1			
	0:50	57.0	59.0	50.7			
	0:55	57.3	59.8	50.6			
	1:00	57.2	60.4	50.9			
6	1:05	57.0	60.6	50.8	54.5	56.8	49.6
	1:10	56.1	58.2	49.8			
	1:15	55.5	58.1	50.0			
	1:20	54.9	57.8	49.9			
	1:25	54.8	57.3	50.1			
7	1:30	55.2	57.9	50.0	55.2	55.9	48.7
	1:35	54.7	57.6	49.5			
	1:40	54.3	56.2	49.7			
	1:45	53.7	55.3	49.6			
	1:50	54.3	56.7	49.5			
8	1:55	54.6	56.9	49.5	66.5	57.4	48.8
	2:00	53.2	55.3	49.2			
	2:05	57.4	57.6	49.2			
	2:10	52.2	53.9	48.8			
	2:15	57.6	54.4	48.2			
9	2:20	53.6	56.7	48.5	52.4	54.3	48.8
	2:25	54.5	57.7	48.3			
	2:30	73.5	57.7	48.6			
	2:35	58.5	59.6	48.6			
	2:40	65.1	62.4	49.1			
10	2:45	53.0	55.8	48.5	52.1	53.1	48.5
	2:50	52.7	54.0	48.8			
	2:55	52.5	55.1	48.9			
	3:00	53.1	55.3	48.5			
	3:05	53.4	55.5	48.9			
11	3:10	52.6	55.2	48.5	54.6	55.0	48.1
	3:15	52.2	54.2	49.5			
	3:20	51.2	53.2	48.5			
	3:25	51.0	52.5	48.9			
	3:30	51.1	52.8	48.8			
12	3:35	50.3	51.5	48.8	52.8	53.9	47.6
	3:40	51.5	52.7	48.6			
	3:45	50.6	52.6	48.5			
	3:50	51.7	53.5	48.2			
	3:55	55.1	55.7	48.2			
	4:00	52.5	53.5	48.3			
	4:05	57.9	58.5	48.3			
	4:10	55.3	55.8	48.2			
	4:15	50.8	51.2	47.6			
	4:20	54.9	56.8	48.2			
	4:25	52.2	54.4	47.7			
	4:30	50.7	50.3	47.5			
	4:35	52.8	55.0	47.3			
	4:40	55.1	57.2	48.1			
	4:45	52.3	53.4	47.5			
	4:50	52.0	54.0	47.6			
	4:55	52.7	53.2	47.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	54.3	52.5	46.9	50.8	52.4	47.3
	5:05	52.9	55.3	47.1			
	5:10	52.0	52.0	47.6			
	5:15	48.8	50.3	47.3			
	5:20	50.8	51.7	47.8			
14	5:25	52.6	52.7	47.1	65.4	59.7	54.2
	5:30	50.1	51.2	47.4			
	5:35	54.4	55.5	48.2			
	5:40	51.0	51.8	48.0			
	5:45	54.5	57.5	49.1			
15	5:50	69.1	70.8	62.3	67.1	66.4	63.2
	5:55	70.8	71.1	70.4			
	6:00	70.6	71.0	70.1			
	6:05	69.3	70.0	68.4			
	6:10	67.0	68.0	65.3			
16	6:15	64.5	64.1	61.8	70.4	69.8	68.1
	6:20	61.4	62.3	55.9			
	6:25	62.2	63.0	57.4			
	6:30	70.1	65.8	62.5			
	6:35	69.7	69.2	65.5			
	6:40	70.0	70.5	69.4			
	6:45	70.9	71.0	70.3			
	6:50	71.0	71.1	70.5			
	6:55	70.7	71.0	70.4			
					Mean	58.3	51.8
					Maximum	70.4	68.1
					Minimum	52.1	47.6



Location: DM1(Day3) Date 8/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	57.3	60.6	51.3	59.1	62.1	51.8
	23:05	60.8	63.7	52.3			
	23:10	60.2	63.4	52.2			
	23:15	57.5	60.8	51.7			
	23:20	57.8	61.1	51.5			
2	23:25	59.5	62.8	52.0	58.5	61.2	51.5
	23:30	59.1	61.6	51.0			
	23:35	58.2	61.6	51.8			
	23:40	57.7	61.0	51.5			
	23:45	60.7	63.2	51.7			
3	23:50	56.6	59.5	51.1	57.9	60.1	50.9
	23:55	57.3	60.5	51.8			
	0:00	57.7	59.9	51.0			
	0:05	58.7	60.7	51.3			
	0:10	56.9	60.2	50.7			
4	0:15	59.5	61.1	50.9	57.1	59.3	50.8
	0:20	57.6	59.9	51.1			
	0:25	56.0	58.5	50.5			
	0:30	55.3	57.4	50.6			
	0:35	59.3	62.3	51.4			
5	0:40	56.9	59.5	50.9	57.5	58.3	50.3
	0:45	55.2	58.3	50.4			
	0:50	58.8	61.6	50.9			
	0:55	55.0	56.8	50.7			
	1:00	61.6	59.2	50.4			
6	1:05	56.9	59.9	50.8	55.9	57.3	50.0
	1:10	57.3	60.1	50.4			
	1:15	54.7	57.3	49.8			
	1:20	53.9	54.8	50.2			
	1:25	55.7	58.3	50.3			
7	1:30	56.6	56.6	50.7	54.8	55.8	49.2
	1:35	55.5	56.8	50.1			
	1:40	54.2	56.0	49.6			
	1:45	54.2	56.3	49.6			
	1:50	56.3	58.5	50.3			
8	1:55	57.6	59.7	49.8	62.2	58.4	49.1
	2:00	54.6	57.3	49.9			
	2:05	56.6	55.8	49.4			
	2:10	55.7	56.6	49.3			
	2:15	54.0	56.5	49.0			
9	2:20	51.8	52.9	48.8	53.2	54.9	48.7
	2:25	54.3	55.8	49.0			
	2:30	56.7	60.0	48.7			
	2:35	57.5	60.6	50.0			
	2:40	53.0	54.6	49.1			
10	2:45	69.0	63.7	48.7	52.2	52.8	48.5
	2:50	58.8	58.2	49.0			
	2:55	52.3	53.1	48.9			
	3:00	53.5	55.4	48.6			
	3:05	53.6	54.9	48.5			
11	3:10	53.4	55.9	48.8	52.2	53.3	48.7
	3:15	53.9	56.8	48.2			
	3:20	51.8	51.4	48.6			
	3:25	53.0	55.2	49.2			
	3:30	53.6	54.0	48.5			
12	3:35	50.9	51.9	48.5	53.0	53.8	48.6
	3:40	52.4	54.0	48.7			
	3:45	51.4	52.1	48.5			
	3:50	53.0	53.2	48.6			
	3:55	51.0	51.5	48.4			
	4:00	50.2	50.9	48.1			
	4:05	51.6	51.7	48.5			
	4:10	52.8	55.0	48.9			
	4:15	53.3	54.8	48.8			
	4:20	52.8	55.6	49.0			
	4:25	51.6	52.0	48.6			
	4:30	52.0	51.9	48.7			
	4:35	53.9	55.1	48.7			
	4:40	54.8	56.0	49.0			
	4:45	52.4	54.2	48.6			
	4:50	51.1	51.2	48.2			
	4:55	52.7	54.5	48.5			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	52.3	52.5	48.2	51.9	52.2	48.6
	5:05	52.0	51.9	48.5			
	5:10	50.5	51.8	48.6			
	5:15	51.8	52.4	48.7			
	5:20	53.3	52.4	49.0			
14	5:25	51.1	52.2	48.5	63.5	58.8	53.9
	5:30	51.4	52.5	48.7			
	5:35	53.6	54.5	48.7			
	5:40	51.2	52.1	48.9			
	5:45	54.1	55.5	49.1			
15	5:50	66.9	68.8	59.3	67.9	66.2	63.6
	5:55	69.0	69.3	68.6			
	6:00	69.0	69.3	68.6			
	6:05	67.9	68.5	67.4			
	6:10	65.8	67.5	63.1			
16	6:15	62.8	63.4	60.5	66.5	66.8	65.6
	6:20	71.7	63.8	60.3			
	6:25	64.0	64.6	61.5			
	6:30	65.2	65.7	63.6			
	6:35	66.1	66.5	65.6			
	6:40	66.2	66.3	65.3			
	6:45	66.5	67.0	65.6			
	6:50	67.2	67.4	66.5			
	6:55	67.7	68.1	66.9			
					Mean	57.7	51.9
					Maximum	67.9	65.6
					Minimum	52.2	48.5



Location: DM1(Day4) Date 9/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	58.5	61.8	51.8	57.7	60.7	51.1
	23:05	57.8	61.2	51.8			
	23:10	56.8	59.7	51.3			
	23:15	57.6	60.5	50.4			
	23:20	58.6	61.6	50.8			
2	23:25	56.6	59.4	50.5	58.1	60.1	50.3
	23:30	56.7	60.0	49.9			
	23:35	58.5	61.3	50.6			
	23:40	56.0	58.5	50.1			
	23:45	61.5	62.3	50.1			
3	23:50	56.2	59.3	50.3	56.6	58.4	49.3
	23:55	56.4	59.1	50.5			
	0:00	56.4	59.2	49.7			
	0:05	55.4	58.0	49.8			
	0:10	54.9	56.4	49.1			
4	0:15	56.1	58.9	49.4	54.7	56.8	49.0
	0:20	60.1	61.6	49.2			
	0:25	54.0	56.0	48.5			
	0:30	53.8	56.6	49.0			
	0:35	54.0	54.8	49.1			
5	0:40	53.5	56.4	48.9	54.0	55.0	48.7
	0:45	56.1	58.2	49.2			
	0:50	55.7	58.0	48.9			
	0:55	54.3	56.8	48.8			
	1:00	53.2	54.4	48.3			
6	1:05	55.5	56.9	48.8	56.0	57.3	49.5
	1:10	52.6	54.3	48.7			
	1:15	53.3	55.8	49.0			
	1:20	52.9	53.1	48.9			
	1:25	55.5	55.3	48.5			
7	1:30	53.5	55.8	48.3	53.8	54.2	48.6
	1:35	52.8	55.4	48.3			
	1:40	59.8	62.5	51.8			
	1:45	53.9	56.0	50.2			
	1:50	54.2	56.9	49.3			
8	1:55	57.2	57.3	49.1	53.1	54.3	48.7
	2:00	53.4	55.0	48.9			
	2:05	52.9	54.8	48.5			
	2:10	53.6	52.8	48.9			
	2:15	52.2	53.2	48.5			
9	2:20	53.4	53.9	48.5	53.0	53.9	48.3
	2:25	55.9	55.3	48.4			
	2:30	52.1	53.2	48.5			
	2:35	52.7	55.1	48.6			
	2:40	52.1	52.3	49.3			
10	2:45	53.7	55.0	48.6	51.8	52.1	47.5
	2:50	52.2	53.7	48.6			
	2:55	54.9	56.2	48.4			
	3:00	52.6	54.4	48.7			
	3:05	52.0	53.2	48.7			
11	3:10	53.3	54.6	48.4	51.0	51.3	47.3
	3:15	56.4	58.0	48.1			
	3:20	49.8	50.9	48.1			
	3:25	50.6	52.1	47.8			
	3:30	53.3	53.7	48.0			
12	3:35	54.0	54.9	47.7	52.5	51.9	47.7
	3:40	50.5	50.7	47.7			
	3:45	49.6	50.1	47.0			
	3:50	51.2	51.5	47.2			
	3:55	50.7	51.6	47.6			
	4:00	50.9	51.4	47.0			
	4:05	50.3	50.6	47.1			
	4:10	48.8	50.4	47.1			
	4:15	54.1	54.0	47.4			
	4:20	49.8	50.4	47.3			
	4:25	50.1	51.0	47.6			
	4:30	52.9	53.6	48.1			
	4:35	50.3	51.4	47.8			
	4:40	52.1	51.1	47.8			
	4:45	55.6	52.0	47.8			
	4:50	50.3	51.2	47.4			
	4:55	50.9	51.9	47.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	52.3	51.5	47.8	52.0	52.7	48.0	
	5:05	51.8	51.3	47.6				
	5:10	52.2	53.3	48.0				
	5:15	52.0	54.3	48.0				
	5:20	51.3	53.0	48.1				
14	5:25	52.3	52.5	48.6	62.5	59.0	52.6	
	5:30	50.9	52.3	48.9				
	5:35	53.7	55.2	48.6				
	5:40	52.7	54.5	49.1				
	5:45	53.4	55.0	49.6				
15	5:50	64.9	68.2	51.5	64.1	63.9	61.3	
	5:55	68.3	68.6	68.0				
	6:00	67.9	68.4	67.0				
	6:05	66.2	66.9	64.4				
	6:10	62.7	63.7	60.7				
16	6:15	60.4	61.0	58.0	65.8	66.3	64.6	
	6:20	59.1	59.9	58.1				
	6:25	61.7	63.5	59.4				
	6:30	64.3	65.2	63.2				
	6:35	65.1	65.8	64.1				
	6:40	65.4	65.9	64.6				
	6:45	65.8	66.3	64.5				
	6:50	66.5	67.0	65.7				
	6:55	67.0	67.5	65.2				
					Mean	56.0	56.7	50.8
					Maximum	65.8	66.3	64.6
					Minimum	51.0	51.3	47.3



Location: DM1(Day5) Date 10/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	56.4	59.6	51.3	57.4	60.4	51.2
	23:05	58.5	62.0	51.1			
	23:10	58.4	61.7	51.4			
	23:15	55.7	58.4	50.4			
	23:20	57.6	60.4	51.5			
2	23:25	57.3	60.4	51.2	58.2	60.2	50.8
	23:30	57.8	61.2	50.4			
	23:35	60.1	62.1	51.3			
	23:40	56.0	59.1	50.9			
	23:45	60.1	59.9	51.3			
3	23:50	56.5	58.9	50.6	56.8	59.4	50.5
	23:55	56.7	60.0	50.2			
	0:00	56.7	60.1	51.2			
	0:05	56.1	58.3	50.5			
	0:10	58.3	61.4	50.3			
4	0:15	54.9	57.7	50.1	55.8	57.0	49.9
	0:20	58.2	61.2	50.6			
	0:25	55.8	57.9	50.3			
	0:30	53.8	55.9	50.4			
	0:35	53.4	55.6	49.9			
5	0:40	53.7	55.6	50.0	53.2	54.8	49.3
	0:45	59.0	59.8	49.8			
	0:50	57.4	59.7	49.8			
	0:55	53.6	55.2	49.5			
	1:00	54.1	55.4	49.5			
6	1:05	53.6	56.6	49.4	50.9	52.3	48.8
	1:10	54.9	55.8	49.0			
	1:15	52.4	54.2	49.0			
	1:20	51.8	53.9	49.3			
	1:25	51.4	52.7	49.3			
7	1:30	51.5	52.9	49.2	51.7	53.1	48.3
	1:35	50.9	52.7	49.0			
	1:40	50.4	51.6	48.9			
	1:45	50.6	52.3	48.7			
	1:50	51.0	52.4	48.7			
8	1:55	50.7	51.8	48.3	60.8	53.2	48.2
	2:00	52.0	53.6	49.0			
	2:05	51.6	53.2	48.5			
	2:10	52.0	52.5	48.2			
	2:15	51.8	54.4	48.2			
9	2:20	50.9	52.3	47.9	52.6	51.4	47.8
	2:25	51.7	52.5	47.7			
	2:30	51.7	53.7	48.0			
	2:35	53.1	54.7	48.2			
	2:40	49.4	50.7	48.0			
10	2:45	54.6	55.3	48.2	50.5	51.3	47.7
	2:50	51.2	51.6	48.2			
	2:55	68.1	53.3	48.8			
	3:00	57.8	54.5	48.1			
	3:05	51.2	51.5	48.1			
11	3:10	49.1	50.5	47.6	50.4	51.1	47.2
	3:15	49.9	50.7	47.6			
	3:20	49.5	50.5	47.4			
	3:25	50.0	50.5	47.8			
	3:30	51.9	53.0	47.8			
12	3:35	52.2	52.4	47.7	52.7	53.0	47.5
	3:40	48.9	50.0	47.6			
	3:45	49.7	51.3	47.7			
	3:50	50.3	50.6	47.6			
	3:55	49.1	50.2	47.8			
	4:00	49.1	50.1	47.4			
	4:05	50.3	50.3	47.4			
	4:10	49.8	50.6	47.1			
	4:15	52.0	54.2	47.2			
	4:20	50.3	50.2	47.2			
	4:25	50.5	51.4	47.1			
	4:30	53.9	51.9	47.5			
	4:35	50.6	51.1	47.6			
	4:40	52.4	52.3	47.4			
	4:45	53.9	53.6	47.6			
	4:50	51.9	54.3	47.5			
	4:55	52.4	54.9	47.5			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	49.7	50.1	47.5	51.5	52.4	47.6
	5:05	51.4	53.6	47.5			
	5:10	49.7	50.4	47.5			
	5:15	53.5	54.7	47.9			
	5:20	51.4	51.8	47.5			
14	5:25	51.9	54.0	47.7	62.4	58.2	51.9
	5:30	51.1	52.3	48.3			
	5:35	52.2	52.2	47.7			
	5:40	51.0	52.3	47.9			
	5:45	53.4	55.4	48.2			
15	5:50	63.1	68.0	50.6	65.3	64.9	62.6
	5:55	68.9	69.2	68.6			
	6:00	68.6	69.0	68.2			
	6:05	67.8	68.2	67.0			
	6:10	65.5	66.5	64.6			
16	6:15	62.5	64.3	58.9	66.7	66.7	64.9
	6:20	60.1	60.6	58.5			
	6:25	59.8	61.0	58.5			
	6:30	60.2	61.1	58.9			
	6:35	64.1	65.9	61.0			
	6:40	67.3	67.7	66.7			
	6:45	67.1	67.5	66.6			
	6:50	68.2	68.7	67.5			
	6:55	68.7	69.0	68.4			
					Mean	56.1	50.9
					Maximum	66.7	64.9
					Minimum	50.4	47.2



Location: DM1(Day6) Date 11/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	61.5	61.7	51.5	59.1	60.8	51.4
	23:05	58.0	61.0	51.4			
	23:10	58.8	62.0	52.4			
	23:15	60.7	61.6	51.5			
	23:20	56.4	59.1	50.9			
2	23:25	56.7	59.4	50.9	57.9	60.2	51.0
	23:30	58.9	62.4	51.4			
	23:35	58.3	59.4	50.7			
	23:40	55.3	57.8	51.6			
	23:45	59.3	60.8	51.1			
3	23:50	56.9	59.9	50.3	56.7	59.3	49.9
	23:55	57.7	61.0	50.9			
	0:00	57.1	60.5	50.5			
	0:05	55.6	58.2	50.0			
	0:10	56.6	59.6	50.1			
4	0:15	58.0	58.9	49.8	55.2	57.4	49.2
	0:20	57.5	60.5	49.8			
	0:25	54.8	58.1	49.3			
	0:30	54.5	57.9	49.4			
	0:35	54.8	57.8	49.1			
5	0:40	54.0	55.2	49.0	54.1	55.8	48.7
	0:45	55.3	57.9	48.9			
	0:50	57.9	59.4	49.4			
	0:55	53.2	55.9	49.4			
	1:00	53.4	55.7	49.0			
6	1:05	55.7	55.6	48.8	54.0	53.9	48.1
	1:10	55.6	58.3	48.9			
	1:15	52.9	55.3	48.8			
	1:20	53.0	55.2	48.4			
	1:25	52.8	54.6	48.3			
7	1:30	51.2	52.6	48.5	52.6	53.6	47.7
	1:35	52.1	53.7	48.4			
	1:40	57.8	56.2	47.9			
	1:45	54.7	54.3	48.0			
	1:50	52.9	54.4	48.4			
8	1:55	51.1	52.4	47.5	52.7	52.8	47.9
	2:00	52.7	55.3	47.6			
	2:05	52.5	54.1	47.6			
	2:10	51.9	51.4	47.8			
	2:15	52.0	54.4	47.5			
9	2:20	53.9	52.9	47.4	51.5	52.3	47.5
	2:25	52.5	53.4	48.0			
	2:30	52.5	53.4	48.4			
	2:35	53.2	51.9	48.0			
	2:40	55.3	57.2	47.7			
10	2:45	52.9	53.3	48.1	53.3	51.7	48.4
	2:50	50.2	51.0	47.4			
	2:55	49.3	49.9	47.8			
	3:00	49.6	51.1	47.6			
	3:05	51.1	51.8	47.6			
11	3:10	52.4	53.5	47.7	54.0	53.2	47.4
	3:15	51.0	51.5	47.3			
	3:20	52.3	52.3	47.2			
	3:25	51.8	53.3	47.7			
	3:30	52.8	52.0	48.3			
12	3:35	52.4	52.4	49.9	52.0	53.2	47.3
	3:40	52.0	51.4	48.3			
	3:45	51.9	52.9	49.4			
	3:50	57.0	50.5	47.3			
	3:55	50.5	51.1	47.0			
	4:00	50.3	50.4	46.9			
	4:05	55.9	52.4	46.7			
	4:10	52.9	55.7	47.4			
	4:15	57.7	56.7	48.2			
	4:20	49.8	52.0	47.4			
	4:25	51.1	51.7	47.6			
	4:30	52.1	54.4	47.2			
	4:35	51.0	52.8	47.4			
	4:40	54.6	56.5	47.0			
	4:45	52.1	52.7	47.3			
	4:50	50.0	50.6	47.5			
	4:55	50.7	52.4	47.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	54.2	56.5	48.2	52.1	53.6	48.0	
	5:05	52.3	53.4	48.4				
	5:10	51.7	53.9	48.0				
	5:15	51.1	52.6	47.7				
	5:20	52.1	53.6	47.8				
14	5:25	50.4	51.3	48.0	64.5	59.7	52.2	
	5:30	51.0	51.4	47.7				
	5:35	53.1	55.5	48.3				
	5:40	52.6	55.5	47.9				
	5:45	53.0	54.9	48.0				
15	5:50	67.2	70.2	51.6	66.2	65.8	62.7	
	5:55	70.4	70.8	69.8				
	6:00	69.8	70.3	69.3				
	6:05	68.9	69.4	68.2				
	6:10	66.0	67.3	64.7				
16	6:15	62.3	64.4	58.0	68.6	68.8	66.2	
	6:20	59.9	61.0	58.0				
	6:25	60.1	62.2	58.0				
	6:30	61.8	63.9	59.2				
	6:35	65.8	68.0	61.7				
	6:40	68.5	69.0	68.0				
	6:45	69.7	70.2	68.8				
	6:50	70.3	70.7	69.8				
	6:55	70.4	70.8	69.9				
					Mean	56.5	57.0	50.9
					Maximum	68.6	68.8	66.2
					Minimum	51.5	51.7	47.3



Location: DM1(Day7) Date 12/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	57.6	60.6	50.5	58.3	61.5	50.9
	23:05	57.8	62.0	50.8			
	23:10	59.1	62.9	51.1			
	23:15	58.9	62.5	51.0			
	23:20	58.7	60.9	50.8			
2	23:25	57.0	60.2	51.1	58.0	60.8	50.1
	23:30	58.8	62.1	49.7			
	23:35	58.9	61.8	50.2			
	23:40	57.3	60.0	50.4			
	23:45	58.0	60.3	50.3			
3	23:50	55.7	58.7	50.0	56.1	61.8	49.5
	23:55	58.3	61.9	50.1			
	0:00	56.5	62.4	50.1			
	0:05	56.4	62.3	49.8			
	0:10	55.0	60.0	49.3			
4	0:15	55.0	61.1	49.1	54.8	59.9	48.5
	0:20	57.0	62.4	49.1			
	0:25	56.5	62.5	49.3			
	0:30	54.6	59.9	48.8			
	0:35	54.1	59.4	48.8			
5	0:40	52.5	56.7	48.8	57.1	60.7	48.0
	0:45	55.3	61.2	47.9			
	0:50	56.8	62.6	48.3			
	0:55	54.6	59.8	48.3			
	1:00	58.6	62.0	48.2			
6	1:05	57.7	62.0	48.4	52.3	56.9	47.4
	1:10	54.7	60.5	48.0			
	1:15	53.7	59.2	47.7			
	1:20	60.1	62.2	48.2			
	1:25	52.6	58.1	47.4			
7	1:30	52.5	57.5	47.5	52.1	56.7	47.3
	1:35	51.4	55.8	47.4			
	1:40	50.4	54.0	47.5			
	1:45	55.1	61.6	47.2			
	1:50	50.6	55.1	47.4			
8	1:55	51.8	57.5	47.3	50.4	53.6	47.6
	2:00	53.0	57.5	47.0			
	2:05	51.1	56.0	47.5			
	2:10	50.4	53.8	47.1			
	2:15	51.8	56.8	47.1			
9	2:20	52.5	57.9	47.2	51.5	54.0	47.3
	2:25	53.0	58.1	47.8			
	2:30	50.8	55.4	47.7			
	2:35	52.0	57.2	47.4			
	2:40	50.6	54.7	47.8			
10	2:45	48.7	49.9	47.7	51.1	54.3	47.0
	2:50	50.8	54.2	47.9			
	2:55	48.6	50.3	47.1			
	3:00	50.3	54.7	47.6			
	3:05	48.8	50.2	47.4			
11	3:10	49.6	51.8	47.6	53.0	54.7	47.2
	3:15	50.0	53.1	47.3			
	3:20	55.8	61.7	46.9			
	3:25	49.5	52.6	47.0			
	3:30	48.4	50.2	46.7			
12	3:35	51.4	54.7	47.4	52.3	54.7	47.1
	3:40	51.4	55.1	47.2			
	3:45	51.1	55.7	47.0			
	3:50	52.3	54.0	46.8			
	3:55	51.0	56.2	46.9			
	4:00	53.5	55.3	46.9			
	4:05	56.6	57.8	47.1			
	4:10	53.6	59.4	47.8			
	4:15	50.5	54.3	47.3			
	4:20	49.9	52.0	47.4			
	4:25	47.7	49.2	46.6			
	4:30	53.4	51.2	46.8			
	4:35	54.2	59.5	47.6			
	4:40	51.1	55.7	46.9			
	4:45	53.4	57.4	46.8			
	4:50	49.4	51.8	47.0			
	4:55	49.6	52.4	47.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	50.0	53.8	46.8	51.0	54.5	47.0	
	5:05	51.9	55.3	47.1				
	5:10	49.2	51.3	46.9				
	5:15	51.4	54.7	46.9				
	5:20	52.3	57.2	47.3				
14	5:25	50.6	54.8	47.2	63.6	59.2	51.4	
	5:30	49.0	51.0	47.2				
	5:35	52.8	57.8	47.4				
	5:40	49.2	51.9	47.2				
	5:45	50.9	54.4	47.6				
15	5:50	66.0	69.8	49.9	66.9	67.0	64.3	
	5:55	69.7	70.1	69.3				
	6:00	69.5	70.0	69.1				
	6:05	69.1	69.7	68.9				
	6:10	67.9	68.9	67.3				
16	6:15	65.5	67.0	61.5	65.0	66.1	63.3	
	6:20	60.9	61.8	59.6				
	6:25	61.1	64.3	59.1				
	6:30	62.5	65.6	60.3				
	6:35	62.2	63.8	60.8				
	6:40	63.7	65.1	61.9				
	6:45	66.1	67.0	65.2				
	6:50	66.5	67.2	66.1				
	6:55	66.5	67.9	65.3				
					Mean	55.8	58.5	50.2
					Maximum	66.9	67.0	64.3
					Minimum	50.4	53.6	47.0



Location: DM1(Day8) Date 13/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	65.6	65.8	52.3	60.8	64.2	51.5
	23:05	59.1	65.2	51.4			
	23:10	57.2	62.2	51.6			
	23:15	58.5	63.5	51.2			
	23:20	59.7	65.1	51.4			
	23:25	57.7	63.6	51.3			
2	23:30	58.1	63.8	50.8	58.7	64.2	51.0
	23:35	59.6	65.0	50.7			
	23:40	57.2	63.1	50.2			
	23:45	58.5	64.1	51.3			
	23:50	58.3	63.3	51.9			
	23:55	59.8	66.1	51.0			
3	0:00	57.9	61.9	50.8	57.1	60.4	50.5
	0:05	57.0	61.0	50.5			
	0:10	57.2	60.9	50.8			
	0:15	55.5	57.6	49.8			
	0:20	57.0	60.1	50.4			
	0:25	57.7	61.1	50.4			
4	0:30	57.6	60.0	50.0	58.1	60.7	50.2
	0:35	58.8	63.2	50.3			
	0:40	55.9	59.4	50.3			
	0:45	58.4	62.0	50.5			
	0:50	59.7	59.8	50.2			
	0:55	57.4	59.9	49.8			
5	1:00	56.8	58.1	49.1	57.8	59.6	49.2
	1:05	58.3	58.5	49.2			
	1:10	55.4	57.7	49.3			
	1:15	59.3	58.5	49.3			
	1:20	56.5	61.0	48.9			
	1:25	59.0	64.0	49.1			
6	1:30	54.8	57.0	49.0	54.1	56.5	48.7
	1:35	52.3	55.0	48.8			
	1:40	55.3	58.9	48.8			
	1:45	55.7	59.9	48.5			
	1:50	53.3	53.6	48.5			
	1:55	52.3	54.7	48.4			
7	2:00	53.0	54.9	48.0	63.3	55.4	48.2
	2:05	54.6	58.3	48.4			
	2:10	52.6	55.7	48.3			
	2:15	51.9	52.8	48.3			
	2:20	70.7	54.6	48.0			
	2:25	53.0	56.3	48.2			
8	2:30	49.8	50.5	47.8	54.4	52.8	47.8
	2:35	52.7	54.3	47.8			
	2:40	53.2	55.9	48.1			
	2:45	49.0	50.0	47.7			
	2:50	59.9	54.5	48.0			
	2:55	51.1	51.7	47.5			
9	3:00	52.1	52.5	47.5	50.9	51.9	47.5
	3:05	50.8	52.8	47.8			
	3:10	51.8	51.9	47.5			
	3:15	49.9	51.2	47.4			
	3:20	49.8	51.1	47.1			
	3:25	50.8	51.6	47.7			
10	3:30	54.7	56.5	47.3	53.4	54.3	47.3
	3:35	53.4	57.3	47.4			
	3:40	53.5	53.7	47.3			
	3:45	50.9	52.7	47.2			
	3:50	48.5	49.7	47.1			
	3:55	56.0	55.9	47.3			
11	4:00	53.7	53.8	47.3	52.6	54.0	46.9
	4:05	51.5	52.6	47.0			
	4:10	50.1	50.6	46.7			
	4:15	53.7	56.1	46.6			
	4:20	53.8	55.2	47.2			
	4:25	51.6	55.6	46.7			
12	4:30	53.0	53.9	47.0	52.8	53.5	46.7
	4:35	51.0	53.6	46.4			
	4:40	50.9	50.9	46.5			
	4:45	56.4	56.6	46.8			
	4:50	50.3	50.6	46.6			
	4:55	51.8	55.6	47.0			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	51.2	51.4	46.9	51.4	51.7	47.2	
	5:05	52.8	52.9	47.1				
	5:10	50.9	51.0	47.3				
	5:15	51.3	50.2	47.2				
	5:20	49.9	50.8	47.0				
	5:25	52.0	54.0	47.4				
14	5:30	55.3	57.7	47.2	53.8	55.9	47.5	
	5:35	51.6	52.3	47.5				
	5:40	53.9	57.5	47.6				
	5:45	52.0	53.1	47.3				
	5:50	52.7	54.0	47.7				
	5:55	55.8	60.6	47.6				
15	6:00	67.8	68.3	66.6	66.8	67.0	65.7	
	6:05	68.0	68.2	67.7				
	6:10	67.6	67.9	67.3				
	6:15	66.9	67.6	65.6				
	6:20	65.4	65.9	64.0				
	6:25	63.5	64.1	62.8				
16	6:30	62.1	63.9	58.6	61.0	62.0	58.4	
	6:35	59.9	60.9	58.5				
	6:40	60.5	61.3	58.5				
	6:45	58.7	59.4	57.7				
	6:50	60.0	61.2	57.5				
	6:55	63.3	65.0	59.6				
					Mean	56.7	57.8	50.3
					Maximum	66.8	67.0	65.7
					Minimum	50.9	51.9	46.7



Location: DM1(Day9) Date 14/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	61.3	64.8	51.9	61.5	64.4	52.8
	23:05	60.0	63.8	52.8			
	23:10	60.2	64.2	53.2			
	23:15	61.7	65.8	53.7			
	23:20	63.7	64.2	52.8			
2	23:25	60.7	63.8	52.4	60.8	64.2	51.6
	23:30	61.1	64.9	52.4			
	23:35	63.3	65.1	52.0			
	23:40	60.1	64.0	51.6			
	23:45	59.1	63.1	51.4			
3	23:50	59.1	63.6	51.3	58.8	62.1	50.6
	23:55	60.4	64.5	50.6			
	0:00	59.4	63.2	50.5			
	0:05	57.0	60.4	50.8			
	0:10	59.2	62.7	50.9			
4	0:15	58.2	61.1	50.6	57.7	60.9	50.5
	0:20	58.8	62.3	50.5			
	0:25	59.8	62.7	50.4			
	0:30	58.5	62.1	50.5			
	0:35	56.2	59.1	50.1			
5	0:40	57.8	61.7	50.4	55.9	58.1	50.3
	0:45	59.3	63.6	49.7			
	0:50	58.0	61.5	51.4			
	0:55	55.5	57.3	50.9			
	1:00	53.9	56.2	50.8			
6	1:05	54.1	56.4	50.9	55.7	58.8	48.5
	1:10	53.4	54.9	50.7			
	1:15	57.1	60.7	50.3			
	1:20	56.5	60.3	49.2			
	1:25	58.2	60.2	49.7			
7	1:30	57.2	60.8	48.3	61.4	57.7	48.3
	1:35	56.7	60.2	48.1			
	1:40	53.5	55.7	48.6			
	1:45	53.8	57.5	47.9			
	1:50	55.3	58.2	48.7			
8	1:55	56.5	60.4	49.3	59.0	57.9	47.5
	2:00	54.2	55.4	48.5			
	2:05	54.7	58.0	48.9			
	2:10	54.0	55.7	48.0			
	2:15	55.1	58.5	48.2			
9	2:20	68.3	59.4	48.5	53.7	54.5	47.0
	2:25	55.7	59.4	47.8			
	2:30	53.6	56.4	47.4			
	2:35	52.5	55.2	47.5			
	2:40	61.5	61.6	47.7			
10	2:45	60.2	57.5	47.9	53.0	55.0	46.9
	2:50	62.3	60.1	47.3			
	2:55	54.0	56.6	47.4			
	3:00	56.9	58.9	46.9			
	3:05	52.9	53.0	47.2			
11	3:10	52.4	53.2	47.5	53.5	54.7	46.2
	3:15	54.3	56.4	46.7			
	3:20	50.2	51.6	46.9			
	3:25	52.1	53.6	47.0			
	3:30	52.6	54.2	47.3			
12	3:35	52.5	55.4	46.5	53.5	54.8	46.9
	3:40	54.6	57.1	47.1			
	3:45	51.0	51.8	46.7			
	3:50	53.5	54.7	46.9			
	3:55	53.1	56.5	46.9			
	4:00	51.2	52.5	45.6	53.5	54.8	46.9
	4:05	53.8	56.4	46.0			
	4:10	54.7	58.4	45.8			
	4:15	56.4	56.5	46.7			
	4:20	51.2	53.2	46.4			
	4:25	50.8	51.3	46.4	53.5	54.8	46.9
	4:30	53.3	55.7	47.3			
	4:35	54.2	57.1	46.9			
	4:40	52.8	54.4	47.3			
	4:45	54.8	53.6	46.9			
	4:50	53.0	53.3	46.8	53.5	54.8	46.9
	4:55	52.0	54.5	46.3			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	50.8	52.0	46.4	51.9	52.5	46.7
	5:05	54.7	55.6	46.6			
	5:10	49.8	50.7	46.3			
	5:15	51.4	50.9	46.9			
	5:20	51.6	53.6	47.4			
14	5:25	51.3	52.2	46.7	53.3	54.1	47.4
	5:30	54.4	52.4	47.1			
	5:35	51.4	53.0	47.9			
	5:40	55.6	57.4	47.5			
	5:45	51.7	53.3	47.4			
15	5:50	52.6	54.1	47.1	64.2	65.1	58.1
	5:55	52.2	54.3	47.5			
	6:00	63.8	67.3	53.5			
	6:05	67.9	68.2	67.4			
	6:10	66.3	67.2	64.8			
16	6:15	61.3	63.7	58.7	58.1	60.4	52.1
	6:20	58.6	61.0	52.8			
	6:25	59.9	62.9	51.2			
	6:30	58.4	60.4	51.2			
	6:35	57.7	60.9	51.1			
	6:40	56.3	58.4	51.4	57.0	58.4	49.5
	6:45	56.4	58.4	51.4			
	6:50	58.7	61.2	53.4			
	6:55	59.8	63.1	53.8			
	Mean						
Maximum				64.2	65.1	58.1	
Minimum				53.0	54.1	46.2	



Location: DM1(Day10) Date 15/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	59.9	64.0	52.3	60.3	64.1	51.8
	23:05	59.6	63.4	52.7			
	23:10	59.6	63.6	52.0			
	23:15	62.0	65.2	51.3			
	23:20	59.7	63.9	51.2			
2	23:25	60.4	64.5	51.0	59.8	63.3	51.7
	23:30	60.7	64.9	51.8			
	23:35	60.8	63.4	52.0			
	23:40	58.6	61.7	50.5			
	23:45	59.2	63.3	51.5			
3	23:50	60.7	64.5	52.4	60.3	62.8	50.8
	23:55	58.4	62.1	52.0			
	0:00	60.8	64.9	52.0			
	0:05	58.8	63.3	50.9			
	0:10	61.9	60.3	51.0			
4	0:15	58.6	62.5	50.3	61.6	61.2	49.5
	0:20	62.2	64.9	49.8			
	0:25	57.8	61.0	50.5			
	0:30	67.7	62.7	50.2			
	0:35	56.4	59.4	50.1			
5	0:40	57.3	60.5	49.8	58.5	60.7	48.6
	0:45	57.4	61.6	49.3			
	0:50	58.6	62.5	49.0			
	0:55	57.0	60.6	48.7			
	1:00	62.1	60.2	48.0			
6	1:05	57.2	60.9	48.8	71.6	58.8	48.1
	1:10	57.1	60.3	49.5			
	1:15	58.0	61.5	48.4			
	1:20	57.1	60.6	48.2			
	1:25	56.6	60.4	48.4			
7	1:30	56.9	61.0	48.1	54.0	56.3	46.9
	1:35	54.2	57.7	47.7			
	1:40	58.1	58.8	47.5			
	1:45	55.2	58.9	48.5			
	1:50	79.3	60.2	48.1			
8	1:55	54.6	56.0	48.5	54.1	56.5	46.8
	2:00	51.3	51.4	47.7			
	2:05	55.1	58.9	46.9			
	2:10	54.6	57.6	47.3			
	2:15	52.7	55.9	46.9			
9	2:20	53.6	55.1	46.3	55.2	55.8	46.5
	2:25	55.3	59.1	46.5			
	2:30	54.8	57.5	47.5			
	2:35	55.4	59.0	46.8			
	2:40	53.6	56.2	46.5			
10	2:45	50.7	52.5	46.3	54.9	55.7	45.8
	2:50	53.1	55.4	46.4			
	2:55	55.3	58.5	47.1			
	3:00	52.7	55.7	46.7			
	3:05	54.8	56.1	46.2			
11	3:10	52.2	51.8	46.4	58.6	60.2	51.6
	3:15	58.4	57.8	47.0			
	3:20	54.4	57.2	46.2			
	3:25	55.9	56.3	46.2			
	3:30	54.6	57.3	45.4			
12	3:35	51.1	52.2	45.1	62.4	63.3	53.6
	3:40	53.3	56.1	45.9			
	3:45	54.5	55.6	46.2			
	3:50	56.5	53.0	45.2			
	3:55	56.9	60.2	47.2			
	4:00	59.9	62.7	52.3			
	4:05	54.9	56.5	50.1			
	4:10	54.0	56.5	47.3			
	4:15	56.8	59.2	49.9			
	4:20	61.3	64.0	55.9			
	4:25	59.8	62.2	54.2			
	4:30	57.8	59.0	52.7			
	4:35	57.1	59.1	49.5			
	4:40	56.8	60.6	48.0			
	4:45	63.6	67.7	50.1			
	4:50	66.0	67.1	63.7			
	4:55	64.1	66.5	57.8			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	59.5	61.1	56.9	60.9	60.3	56.1	
	5:05	64.7	65.7	62.6				
	5:10	63.6	65.1	58.9				
	5:15	57.2	57.4	55.0				
	5:20	55.4	55.6	52.7				
14	5:25	56.7	56.6	50.7	55.9	57.0	48.4	
	5:30	58.3	57.8	49.2				
	5:35	56.5	57.5	48.6				
	5:40	54.9	56.1	47.2				
	5:45	53.2	54.8	48.5				
15	5:50	53.9	55.6	47.9	63.3	63.8	57.8	
	5:55	56.6	59.9	48.7				
	6:00	58.8	61.5	49.1				
	6:05	66.1	66.9	64.0				
	6:10	66.4	67.1	65.7				
16	6:15	63.3	65.6	60.6	57.9	59.9	52.0	
	6:20	58.9	60.9	54.1				
	6:25	57.4	60.8	53.0				
	6:30	56.1	57.1	51.7				
	6:35	59.5	62.9	53.6				
	6:40	57.0	59.7	52.1				
	6:45	54.8	55.8	51.1				
	6:50	59.1	62.1	51.7				
	6:55	58.7	61.5	51.6				
					Mean	59.3	60.0	50.4
					Maximum	71.6	63.8	57.8
					Minimum	54.0	55.7	45.8



Location: DM1(Day11) Date 16/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	60.3	63.3	54.2	59.9	63.2	53.6
	23:05	60.6	63.4	53.5			
	23:10	59.3	62.7	53.9			
	23:15	59.2	63.1	52.8			
	23:20	59.4	62.0	53.4			
23:25	60.5	64.4	53.7				
2	23:30	60.8	63.9	54.9	61.6	65.3	54.4
	23:35	61.4	64.8	54.7			
	23:40	62.2	66.5	54.6			
	23:45	62.2	66.2	54.5			
	23:50	62.3	66.6	54.1			
23:55	60.5	63.5	53.5				
3	0:00	56.6	60.3	50.1	57.8	60.9	50.1
	0:05	59.1	61.7	50.2			
	0:10	57.8	62.0	50.4			
	0:15	57.0	60.0	50.4			
	0:20	56.9	60.4	49.3			
0:25	59.0	61.2	50.2				
4	0:30	59.3	62.0	49.9	56.7	59.2	49.1
	0:35	57.5	61.0	49.6			
	0:40	57.6	60.6	49.6			
	0:45	55.2	58.5	48.7			
	0:50	52.4	54.5	48.0			
0:55	55.2	58.4	49.0				
5	1:00	57.7	60.5	48.4	55.7	58.5	48.4
	1:05	55.7	58.3	48.7			
	1:10	55.6	59.9	48.5			
	1:15	55.8	58.5	48.1			
	1:20	54.6	57.5	48.8			
1:25	53.9	56.3	47.7				
6	1:30	53.0	56.1	47.5	54.5	57.3	47.2
	1:35	54.8	57.6	47.3			
	1:40	55.3	59.8	47.2			
	1:45	53.7	55.4	46.7			
	1:50	55.6	58.4	47.5			
1:55	54.2	56.7	47.1				
7	2:00	50.7	51.8	46.4	61.6	60.8	51.2
	2:05	54.8	59.7	46.9			
	2:10	51.6	53.0	46.2			
	2:15	62.3	62.4	47.2			
	2:20	65.8	69.6	61.4			
2:25	64.2	68.1	58.9				
8	2:30	63.8	67.6	58.2	61.6	64.9	54.3
	2:35	61.3	64.5	55.4			
	2:40	62.6	66.3	54.2			
	2:45	61.3	65.5	53.4			
	2:50	59.7	62.8	52.4			
2:55	58.9	62.8	52.3				
9	3:00	59.7	63.2	52.6	67.0	64.6	52.6
	3:05	59.2	62.3	51.9			
	3:10	57.4	60.8	51.4			
	3:15	63.4	64.0	52.0			
	3:20	71.9	71.0	54.2			
3:25	70.0	66.1	53.7				
10	3:30	71.3	66.2	52.4	64.9	61.7	51.9
	3:35	60.1	61.5	52.0			
	3:40	56.4	59.3	50.7			
	3:45	58.2	61.7	51.9			
	3:50	63.5	60.9	51.7			
3:55	58.0	60.8	52.5				
11	4:00	59.1	61.7	52.4	58.2	61.1	51.1
	4:05	58.6	62.0	51.2			
	4:10	58.7	62.0	51.0			
	4:15	57.7	60.4	51.5			
	4:20	58.4	61.2	50.0			
4:25	56.4	59.1	50.5				
12	4:30	60.5	60.9	50.0	60.4	63.2	53.1
	4:35	59.3	61.7	55.5			
	4:40	60.5	63.7	54.6			
	4:45	60.3	64.1	53.9			
	4:50	61.6	65.8	53.1			
4:55	59.4	63.2	51.6				

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	60.1	62.9	51.3	59.3	62.0	50.5
	5:05	59.5	62.6	51.2			
	5:10	57.3	61.3	49.3			
	5:15	61.1	61.6	50.1			
	5:20	58.2	61.7	50.4			
5:25	58.3	61.8	50.5				
14	5:30	58.3	61.0	50.5	58.4	60.5	49.5
	5:35	57.9	60.9	50.5			
	5:40	60.4	60.8	49.6			
	5:45	56.6	58.8	48.7			
	5:50	59.2	61.1	49.1			
5:55	56.9	60.2	48.7				
15	6:00	56.2	57.6	49.6	58.3	61.3	50.5
	6:05	59.2	61.2	54.2			
	6:10	59.7	63.8	50.8			
	6:15	56.7	60.5	49.8			
	6:20	57.8	61.2	49.4			
6:25	58.9	63.7	49.4				
16	6:30	57.2	61.3	49.4	55.5	57.9	49.3
	6:35	55.4	57.6	49.7			
	6:40	54.6	57.4	48.9			
	6:45	55.3	57.7	49.3			
	6:50	56.3	58.7	49.5			
6:55	52.9	54.8	49.0				
		Mean			59.5	61.4	51.1
		Maximum			67.0	65.3	54.4
		Minimum			54.5	57.3	47.2



Location: DM1(Day12) Date 17/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	58.6	62.4	52.3	59.8	63.3	51.4
	23:05	58.0	61.5	51.4			
	23:10	61.9	64.9	51.9			
	23:15	59.8	63.6	50.4			
	23:20	60.7	64.6	51.5			
23:25	58.5	62.7	51.1	59.3	63.1	51.5	
23:30	59.2	63.1	51.2				
23:35	58.7	62.8	51.0				
23:40	60.3	64.2	51.5				
23:45	59.1	62.7	52.0				
23:50	58.7	62.5	51.3	58.4	61.5	50.7	
23:55	59.8	63.3	51.8				
0:00	61.0	64.8	51.4				
0:05	57.7	61.6	51.0				
0:10	56.0	58.7	51.1				
0:15	56.6	60.3	50.1	58.0	60.9	49.8	
0:20	59.1	61.7	50.2				
0:25	57.8	62.0	50.4				
0:30	57.0	60.0	50.4				
0:35	56.9	60.4	49.3				
0:40	59.0	61.2	50.2	55.6	58.4	48.6	
0:45	59.3	62.0	49.9				
0:50	57.5	61.0	49.6				
0:55	57.6	60.6	49.6				
1:00	55.2	58.5	48.7				
1:05	52.4	54.5	48.0	54.7	57.6	47.8	
1:10	55.2	58.4	49.0				
1:15	57.7	60.5	48.4				
1:20	55.7	58.3	48.7				
1:25	55.6	59.9	48.5				
1:30	55.8	58.5	48.1	53.7	55.8	46.8	
1:35	54.6	57.5	48.8				
1:40	53.9	56.3	47.7				
1:45	53.0	56.1	47.5				
1:50	54.8	57.6	47.3				
1:55	55.3	59.8	47.2	57.3	58.6	46.9	
2:00	53.7	55.4	46.7				
2:05	55.6	58.4	47.5				
2:10	54.2	56.7	47.1				
2:15	50.7	51.8	46.4				
2:20	54.8	59.7	46.9	53.2	54.9	46.6	
2:25	51.6	53.0	46.2				
2:30	62.3	62.4	47.2				
2:35	55.0	58.6	47.4				
2:40	55.4	59.3	46.9				
2:45	55.3	57.4	46.9	51.9	52.8	46.7	
2:50	55.3	57.4	46.9				
2:55	52.8	56.3	46.2				
3:00	54.5	58.5	47.6				
3:05	52.3	55.7	46.4				
3:10	55.2	57.3	46.2	55.0	56.2	47.1	
3:15	49.7	50.0	46.4				
3:20	53.0	56.1	46.1				
3:25	52.8	51.8	46.9				
3:30	48.3	50.0	45.8				
3:35	50.1	50.8	46.7	56.2	53.5	46.4	
3:40	52.9	53.0	47.0				
3:45	53.3	54.9	45.9				
3:50	51.4	51.8	47.3				
3:55	53.5	56.4	47.6				
4:00	51.8	52.9	47.1	56.2	53.5	46.4	
4:05	56.4	58.3	46.7				
4:10	52.7	52.4	47.2				
4:15	56.3	59.9	47.9				
4:20	55.3	58.2	46.9				
4:25	55.5	55.6	47.0	56.2	53.5	46.4	
4:30	60.0	59.7	46.7				
4:35	54.4	58.1	46.8				
4:40	59.1	51.0	46.2				
4:45	54.3	50.9	46.4				
4:50	50.6	51.0	46.2	56.2	53.5	46.4	
4:55	48.3	50.3	45.9				

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)		
13	5:00	56.4	61.1	46.9	54.3	56.6	46.5		
	5:05	53.0	56.2	46.2					
	5:10	52.0	51.2	46.4					
	5:15	53.4	56.1	46.3					
	5:20	54.7	58.3	46.7					
5:25	54.9	56.9	46.5	53.7	55.5	47.6			
5:30	53.4	57.4	47.1						
5:35	52.1	53.9	47.5						
5:40	51.6	52.1	47.8						
5:45	51.2	51.3	46.6						
5:50	53.3	56.4	47.4	63.1	63.8	60.6			
5:55	57.1	61.6	49.4						
6:00	64.7	65.2	63.7						
6:05	64.8	65.3	63.9						
6:10	64.0	64.6	62.8						
6:15	63.0	65.3	60.2	64.2	65.0	62.3			
6:20	59.9	60.9	56.5						
6:25	59.7	61.5	56.2						
6:30	59.8	61.9	56.5						
6:35	63.8	64.7	61.3						
6:40	64.0	64.5	63.1	Mean	56.8	58.6			
6:45	65.1	66.7	63.9				Maximum	64.2	65.0
6:50	65.2	65.7	64.4						
6:55	65.4	66.6	64.4						



Location: DM1(Day13) Date 18/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	62.1	65.5	56.3	61.9	65.3	56.1
	23:05	61.7	64.8	55.9			
	23:10	61.6	65.0	56.4			
	23:15	63.3	66.4	56.8			
	23:20	62.0	65.5	56.4			
23:25	60.5	64.4	54.7	61.0	64.3	55.5	
23:30	60.7	63.7	56.0				
23:35	61.9	64.9	56.7				
23:40	61.7	64.8	56.2				
23:45	60.5	64.2	54.9				
23:50	60.5	64.3	54.3				
23:55	60.7	63.9	55.0	60.3	63.6	53.3	
0:00	59.3	61.7	55.5				
0:05	60.5	63.7	54.6				
0:10	60.3	64.1	53.9				
0:15	61.6	65.8	53.1				
0:20	59.4	63.2	51.6	59.0	61.7	50.3	
0:25	60.1	62.9	51.3				
0:30	59.5	62.6	51.2				
0:35	57.3	61.3	49.3				
0:40	61.1	61.6	50.1				
0:45	58.2	61.7	50.4				
0:50	58.3	61.8	50.5				
0:55	58.3	61.0	50.5	58.1	59.9	49.4	
1:00	57.9	60.9	50.5				
1:05	60.4	60.8	49.6				
1:10	56.6	58.8	48.7				
1:15	59.2	61.1	49.1				
1:20	56.9	60.2	48.7	58.4	62.0	50.5	
1:25	56.2	57.6	49.6				
1:30	59.2	61.2	54.2				
1:35	59.7	63.8	50.8				
1:40	56.7	60.5	49.8				
1:45	57.8	61.2	49.4				
1:50	58.9	63.7	49.4				
1:55	57.2	61.3	49.4	55.6	57.8	49.4	
2:00	55.4	57.6	49.7				
2:05	54.6	57.4	48.9				
2:10	55.3	57.7	49.3				
2:15	56.3	58.7	49.5				
2:20	52.9	54.8	49.0	55.0	57.3	48.4	
2:25	57.6	60.7	49.8				
2:30	54.0	56.1	48.7				
2:35	54.8	57.3	48.9				
2:40	55.9	58.3	49.0				
2:45	56.4	59.9	48.1	55.7	57.4	48.7	
2:50	53.8	55.4	47.3				
2:55	54.2	57.0	48.1				
3:00	54.5	57.3	49.2				
3:05	54.4	55.0	48.4				
3:10	55.9	59.3	49.3	54.6	56.5	47.6	
3:15	54.8	57.5	48.8				
3:20	58.4	59.6	48.7				
3:25	54.1	55.6	47.5				
3:30	54.9	59.0	47.4				
3:35	54.4	56.8	48.1	55.4	55.6	47.8	
3:40	55.9	58.8	47.5				
3:45	55.5	56.1	48.0				
3:50	50.8	51.9	47.6				
3:55	54.6	56.3	47.0				
4:00	55.1	57.8	46.7	54.5	55.3	47.6	
4:05	52.7	53.7	47.7				
4:10	52.8	52.7	47.8				
4:15	50.8	51.8	47.9				
4:20	59.0	60.6	48.3				
4:25	56.4	57.0	48.5	54.5	55.3	47.6	
4:30	52.4	54.3	47.6				
4:35	55.3	57.3	47.8				
4:40	54.8	54.9	47.6				
4:45	56.5	55.8	47.3				
4:50	52.6	53.8	47.3				
4:55	53.6	55.4	47.9				

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)		
13	5:00	51.3	51.6	47.4	53.1	53.4	47.5		
	5:05	53.0	54.0	46.8					
	5:10	55.4	55.9	47.4					
	5:15	54.2	54.7	47.7					
	5:20	51.2	51.9	47.8					
5:25	51.3	52.2	48.0	53.6	54.6	48.7			
5:30	54.5	56.3	49.1						
5:35	53.3	54.6	48.0						
5:40	53.4	54.6	48.1						
5:45	53.7	54.7	48.7						
5:50	52.9	53.6	48.8	62.6	63.1	58.4			
5:55	53.4	53.8	49.3						
6:00	55.2	56.9	49.7						
6:05	62.2	64.4	53.3						
6:10	64.7	65.0	64.2						
6:15	63.9	64.2	63.5	61.1	63.2	54.3			
6:20	63.2	64.2	61.8						
6:25	61.9	63.7	58.1						
6:30	61.7	62.7	58.1						
6:35	58.5	60.5	55.3						
6:40	60.5	63.7	55.1	Mean	57.5	59.4			
6:45	62.6	63.0	52.0				Maximum	62.6	64.3
6:50	59.7	63.5	52.3						
6:55	62.2	65.8	52.8						



Location: DM1(Day14) Date 22/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	61.5	64.6	53.5	61.4	64.4	53.2
	23:05	60.4	63.9	52.9			
	23:10	60.4	64.1	52.9			
	23:15	62.8	65.5	53.0			
	23:20	62.3	64.5	53.3			
23:25	60.3	63.7	53.3				
2	23:30	59.0	62.4	53.3	59.8	62.8	53.0
	23:35	59.7	62.4	53.7			
	23:40	58.7	61.6	53.3			
	23:45	60.1	63.1	53.3			
	23:50	60.5	64.0	51.9			
23:55	60.3	63.0	52.2				
3	0:00	63.6	67.0	52.7	69.8	71.5	63.1
	0:05	70.9	73.6	61.7			
	0:10	72.9	74.1	69.2			
	0:15	70.5	72.3	68.0			
	0:20	69.5	72.2	65.5			
0:25	65.8	69.6	61.4				
4	0:30	64.2	68.1	58.9	62.4	65.8	55.4
	0:35	63.8	67.6	58.2			
	0:40	61.3	64.5	55.4			
	0:45	62.6	66.3	54.2			
	0:50	61.3	65.5	53.4			
0:55	59.7	62.8	52.4				
5	1:00	58.9	62.8	52.3	65.4	64.0	52.4
	1:05	59.7	63.2	52.6			
	1:10	59.2	62.3	51.9			
	1:15	57.4	60.8	51.4			
	1:20	63.4	64.0	52.0			
1:25	71.9	71.0	54.2				
6	1:30	70.0	66.1	53.7	66.7	62.6	52.1
	1:35	71.3	66.2	52.4			
	1:40	60.1	61.5	52.0			
	1:45	56.4	59.3	50.7			
	1:50	58.2	61.7	51.9			
1:55	63.5	60.9	51.7				
7	2:00	58.0	60.8	52.5	58.5	61.4	51.4
	2:05	59.1	61.7	52.4			
	2:10	58.6	62.0	51.2			
	2:15	58.7	62.0	51.0			
	2:20	57.7	60.4	51.5			
2:25	58.4	61.2	50.0				
8	2:30	56.4	59.1	50.5	56.9	58.2	49.7
	2:35	60.5	60.9	50.0			
	2:40	57.2	60.2	49.5			
	2:45	53.0	54.7	49.2			
	2:50	54.6	57.0	49.2			
2:55	55.4	57.3	49.9				
9	3:00	58.1	60.2	49.4	56.7	59.5	50.2
	3:05	55.9	58.4	50.7			
	3:10	57.4	60.0	50.5			
	3:15	56.3	59.8	50.7			
	3:20	56.4	60.0	50.2			
3:25	55.3	58.3	49.8				
10	3:30	56.7	58.5	49.5	54.9	56.8	49.1
	3:35	53.6	53.9	49.3			
	3:40	56.2	59.3	49.0			
	3:45	53.8	56.0	49.1			
	3:50	53.8	56.5	48.9			
3:55	54.2	56.7	48.8				
11	4:00	58.6	57.4	49.8	54.9	55.1	48.7
	4:05	53.7	55.3	48.6			
	4:10	55.5	57.5	48.4			
	4:15	53.6	55.2	48.1			
	4:20	52.6	53.3	48.3			
4:25	51.6	52.1	48.7				
12	4:30	55.7	55.6	48.3	55.2	56.5	48.3
	4:35	54.5	56.5	48.5			
	4:40	55.1	57.9	48.7			
	4:45	58.0	60.8	47.9			
	4:50	53.2	56.1	47.8			
4:55	52.5	52.2	48.3				

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	54.2	55.9	48.8	54.3	56.1	48.4
	5:05	55.0	56.9	47.8			
	5:10	55.5	56.4	48.6			
	5:15	53.2	54.8	48.3			
	5:20	53.8	56.4	48.8			
5:25	53.8	56.1	48.3				
14	5:30	53.3	52.2	48.3	53.4	54.4	48.3
	5:35	53.9	55.6	48.8			
	5:40	53.7	55.1	48.1			
	5:45	51.8	53.8	48.2			
	5:50	53.7	55.2	48.3			
5:55	53.7	54.5	48.1				
15	6:00	52.6	53.7	48.1	61.2	61.1	57.0
	6:05	59.1	62.4	51.7			
	6:10	63.7	64.1	63.0			
	6:15	63.5	64.0	62.7			
	6:20	61.9	62.7	60.0			
6:25	58.3	59.6	56.4				
16	6:30	54.9	57.1	51.0	58.0	60.0	51.6
	6:35	56.8	58.7	51.8			
	6:40	57.3	60.3	51.4			
	6:45	59.0	61.3	50.8			
	6:50	58.9	60.0	52.2			
6:55	59.5	62.3	52.6				
		Mean			59.3	60.6	52.0
		Maximum			69.8	71.5	63.1
		Minimum			53.4	54.4	48.3



Appendix C5

Baseline Noise Monitoring Data_DM2_0700-1900



Location: dm2(Day1) Date: 6/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	57.3	60.2	53.6	59.6	61.9	53.4
	7:05	60.1	63.3	53.5			
	7:10	58.1	61.0	52.8			
	7:15	61.7	64.1	53.0			
	7:20	61.1	64.0	54.2			
	7:25	56.9	58.6	53.2			
2	7:30	59.4	62.0	53.1	58.4	60.9	53.2
	7:35	56.8	59.7	53.2			
	7:40	59.5	62.5	53.0			
	7:45	56.8	59.2	52.9			
	7:50	57.4	59.8	53.4			
	7:55	59.5	62.0	53.3			
3	8:00	62.4	61.2	53.0	59.1	60.7	53.1
	8:05	58.1	61.0	52.7			
	8:10	57.7	60.1	53.1			
	8:15	59.2	63.0	53.4			
	8:20	57.8	60.8	53.5			
	8:25	56.2	58.0	53.1			
4	8:30	60.8	63.9	53.9	58.2	60.3	53.2
	8:35	57.3	60.5	53.2			
	8:40	55.7	57.7	53.1			
	8:45	59.4	60.9	53.0			
	8:50	56.0	57.8	53.1			
	8:55	58.1	60.8	53.1			
5	9:00	63.3	64.0	62.0	63.9	64.6	63.1
	9:05	64.4	64.7	64.0			
	9:10	64.4	64.9	63.9			
	9:15	64.6	65.7	63.5			
	9:20	63.5	64.2	62.7			
	9:25	63.2	64.3	62.3			
6	9:30	64.3	65.2	63.4	63.9	65.5	60.9
	9:35	66.6	70.5	62.0			
	9:40	62.1	63.9	59.8			
	9:45	61.9	64.2	59.8			
	9:50	62.1	64.1	60.1			
	9:55	64.5	65.2	60.2			
7	10:00	63.1	64.0	60.4	62.8	64.1	61.3
	10:05	61.9	63.3	60.7			
	10:10	62.4	63.8	60.8			
	10:15	62.5	64.1	60.9			
	10:20	63.3	64.5	62.3			
	10:25	63.5	64.8	62.5			
8	10:30	63.4	64.6	62.1	64.1	65.3	62.6
	10:35	63.9	65.3	62.6			
	10:40	63.7	64.8	62.4			
	10:45	64.8	66.5	62.5			
	10:50	64.0	65.3	62.8			
	10:55	64.4	65.4	62.9			
9	11:00	65.8	68.5	63.3	65.1	66.7	62.4
	11:05	65.8	67.4	63.7			
	11:10	64.4	65.9	62.4			
	11:15	64.7	66.6	61.9			
	11:20	65.4	66.5	61.6			
	11:25	64.1	65.1	61.4			
10	11:30	65.5	68.2	62.5	66.6	67.9	61.8
	11:35	65.1	66.8	62.7			
	11:40	64.8	66.2	62.8			
	11:45	65.4	67.8	62.4			
	11:50	70.3	72.7	60.8			
	11:55	65.4	65.9	59.5			
11	12:00	66.2	69.7	60.6	64.4	66.7	60.0
	12:05	63.5	65.8	59.9			
	12:10	64.3	66.6	60.8			
	12:15	65.7	68.8	60.3			
	12:20	62.2	64.4	59.1			
	12:25	63.2	65.0	59.4			
12	12:30	64.9	68.3	61.2	64.8	67.6	61.1
	12:35	63.8	66.1	60.6			
	12:40	64.7	67.6	60.6			
	12:45	65.8	69.5	61.0			
	12:50	64.3	66.9	61.6			
	12:55	65.1	67.4	61.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	64.9	68.5	60.0	63.8	66.4	59.9
	13:05	62.9	65.1	59.8			
	13:10	63.7	66.5	59.4			
	13:15	64.6	68.5	59.7			
	13:20	63.1	65.1	59.9			
	13:25	62.9	64.8	60.4			
14	13:30	64.9	68.3	59.6	64.2	66.7	59.4
	13:35	63.8	66.0	59.8			
	13:40	63.3	65.3	59.4			
	13:45	65.1	69.3	59.6			
	13:50	63.0	66.6	59.0			
	13:55	64.6	64.7	59.1			
15	14:00	65.4	68.7	58.5	63.9	66.5	59.2
	14:05	62.9	65.6	58.1			
	14:10	63.2	65.0	59.6			
	14:15	65.4	69.3	60.0			
	14:20	61.8	64.2	58.9			
	14:25	63.8	66.2	60.0			
16	14:30	66.4	70.4	60.8	64.5	67.3	59.4
	14:35	62.8	65.4	59.4			
	14:40	62.6	65.1	58.6			
	14:45	65.9	69.5	59.3			
	14:50	63.0	66.0	59.0			
	14:55	64.6	67.2	59.2			
17	15:00	64.9	69.0	58.4	63.3	66.1	58.7
	15:05	62.1	64.8	58.1			
	15:10	63.3	65.8	58.3			
	15:15	63.5	66.6	59.4			
	15:20	63.0	65.9	59.3			
	15:25	62.2	64.2	58.7			
18	15:30	62.7	65.9	58.2	64.0	67.1	58.6
	15:35	63.1	65.6	58.8			
	15:40	65.4	68.7	59.6			
	15:45	63.1	65.8	58.2			
	15:50	64.9	68.7	58.3			
	15:55	64.3	67.7	58.6			
19	16:00	62.9	65.5	57.9	63.0	64.9	58.4
	16:05	64.3	65.0	58.7			
	16:10	61.3	63.8	57.6			
	16:15	63.5	65.6	58.9			
	16:20	63.6	66.0	58.9			
	16:25	61.4	63.3	58.5			
20	16:30	63.3	66.4	58.9	62.3	64.7	58.6
	16:35	62.5	64.4	58.8			
	16:40	61.4	63.9	58.4			
	16:45	62.4	65.2	58.3			
	16:50	61.5	63.6	58.4			
	16:55	62.4	64.4	58.6			
21	17:00	62.6	65.2	58.6	63.3	65.3	58.9
	17:05	61.9	62.8	57.6			
	17:10	63.1	65.9	58.9			
	17:15	63.4	65.9	58.7			
	17:20	65.3	67.5	60.3			
	17:25	63.0	64.4	59.5			
22	17:30	65.1	67.6	60.0	64.0	66.0	60.7
	17:35	62.9	65.1	59.9			
	17:40	64.8	67.1	61.6			
	17:45	63.9	65.4	62.0			
	17:50	63.0	64.6	61.0			
	17:55	63.8	66.0	59.7			
23	18:00	62.6	64.2	60.6	63.1	65.0	60.1
	18:05	62.9	64.7	60.5			
	18:10	62.9	64.9	59.9			
	18:15	63.6	65.5	60.2			
	18:20	63.6	65.9	59.9			
	18:25	62.9	64.9	59.7			
24	18:30	62.9	65.9	59.4	64.5	66.4	59.8
	18:35	63.3	65.1	60.5			
	18:40	66.3	69.6	62.2			
	18:45	67.5	71.2	59.2			
	18:50	62.2	64.5	58.7			
	18:55	60.7	62.1	58.5			

Mean 63.1 65.2 59.1
Maximum 66.6 67.9 63.1
Minimum 58.2 60.3 53.1



Location: dm2(Day2) Date: 7/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	58.0	61.1	54.0	59.5	61.7	53.6
	7:05	60.4	63.0	54.3			
	7:10	56.9	58.6	53.1			
	7:15	60.0	60.8	53.4			
	7:20	60.4	64.6	53.9			
	7:25	60.2	61.8	52.6			
2	7:30	58.0	59.2	52.9	59.1	61.9	53.1
	7:35	56.9	60.3	53.2			
	7:40	61.4	65.6	53.3			
	7:45	58.5	62.1	53.5			
	7:50	57.3	60.1	52.5			
	7:55	60.6	64.1	53.3			
3	8:00	56.2	58.1	53.1	58.7	59.8	53.1
	8:05	59.5	59.4	53.1			
	8:10	56.5	59.7	52.9			
	8:15	58.7	61.2	53.0			
	8:20	62.1	62.1	53.4			
	8:25	55.6	58.2	53.1			
4	8:30	62.2	62.8	53.2	58.2	59.0	53.0
	8:35	57.9	60.4	53.4			
	8:40	54.9	56.7	53.0			
	8:45	58.5	60.5	52.7			
	8:50	55.3	57.2	52.6			
	8:55	54.8	56.5	53.0			
5	9:00	56.6	57.9	53.3	62.4	63.4	58.2
	9:05	62.0	64.4	56.6			
	9:10	65.8	66.9	63.4			
	9:15	63.9	64.7	63.1			
	9:20	60.3	62.4	57.4			
	9:25	60.3	63.8	55.2			
6	9:30	58.9	62.0	54.9	59.1	61.6	54.9
	9:35	57.9	60.5	54.5			
	9:40	58.1	60.9	54.6			
	9:45	57.6	59.6	54.4			
	9:50	59.9	62.8	55.7			
	9:55	61.1	64.0	55.3			
7	10:00	58.4	60.8	55.4	61.9	63.1	57.8
	10:05	63.7	63.3	56.5			
	10:10	62.9	64.0	57.2			
	10:15	60.5	62.4	57.4			
	10:20	61.8	63.8	59.7			
	10:25	62.5	64.1	60.5			
8	10:30	61.8	63.4	60.2	62.5	64.0	60.5
	10:35	61.5	62.9	60.1			
	10:40	62.4	64.1	60.5			
	10:45	63.9	65.9	60.6			
	10:50	62.0	63.4	60.7			
	10:55	62.9	64.5	61.0			
9	11:00	64.5	66.5	60.6	63.1	65.1	58.9
	11:05	64.0	65.7	59.4			
	11:10	63.4	65.9	58.7			
	11:15	62.7	64.8	58.4			
	11:20	61.9	63.8	58.2			
	11:25	61.5	63.8	58.1			
10	11:30	64.0	67.8	58.4	63.8	66.2	59.0
	11:35	64.8	65.4	58.9			
	11:40	62.1	64.4	58.4			
	11:45	65.1	68.6	59.9			
	11:50	63.3	65.8	59.2			
	11:55	62.6	64.9	59.0			
11	12:00	66.2	68.2	59.6	65.1	67.3	60.8
	12:05	64.8	67.5	60.6			
	12:10	65.8	68.7	61.8			
	12:15	65.4	67.9	61.6			
	12:20	62.9	64.9	60.1			
	12:25	64.8	66.5	61.3			
12	12:30	64.9	67.1	60.8	64.9	67.0	60.8
	12:35	65.1	67.0	62.0			
	12:40	66.3	68.6	61.4			
	12:45	65.5	68.7	60.4			
	12:50	62.6	64.7	59.5			
	12:55	64.2	66.1	60.8			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	64.9	68.0	60.6	66.4	68.3	60.7
	13:05	70.2	72.5	62.0			
	13:10	62.5	64.1	60.1			
	13:15	64.3	67.9	59.9			
	13:20	64.2	66.7	60.6			
	13:25	67.5	70.6	60.8			
14	13:30	67.0	68.7	64.1	65.8	68.0	61.4
	13:35	64.5	66.8	60.9			
	13:40	65.7	67.3	60.8			
	13:45	65.9	69.5	60.2			
	13:50	63.8	65.7	60.0			
	13:55	66.8	70.0	62.6			
15	14:00	67.3	70.4	63.0	66.3	68.7	62.7
	14:05	65.5	67.8	62.8			
	14:10	66.5	68.6	63.6			
	14:15	67.7	70.8	62.8			
	14:20	64.9	67.3	62.3			
	14:25	64.9	67.3	61.7			
16	14:30	66.9	69.8	63.0	65.5	68.0	61.4
	14:35	65.0	66.5	62.3			
	14:40	65.0	66.7	61.5			
	14:45	64.1	68.1	58.8			
	14:50	65.3	68.7	59.8			
	14:55	66.1	68.3	63.0			
17	15:00	68.1	70.8	63.9	65.1	66.7	60.0
	15:05	66.8	69.1	59.6			
	15:10	62.4	64.1	59.1			
	15:15	65.1	67.6	59.8			
	15:20	62.6	64.8	59.3			
	15:25	61.9	64.0	58.2			
18	15:30	66.3	69.7	59.7	65.5	68.2	59.9
	15:35	65.5	68.2	62.5			
	15:40	66.5	69.9	60.4			
	15:45	65.7	69.5	57.7			
	15:50	61.9	64.4	58.2			
	15:55	65.6	67.5	60.8			
19	16:00	63.1	65.6	58.5	65.1	67.0	61.0
	16:05	66.0	68.0	60.7			
	16:10	64.1	65.6	60.2			
	16:15	65.4	68.1	61.1			
	16:20	64.3	65.6	62.1			
	16:25	66.8	69.0	63.2			
20	16:30	66.1	68.5	61.8	76.1	75.8	62.8
	16:35	72.2	74.8	68.4			
	16:40	68.6	71.4	61.8			
	16:45	66.6	70.7	61.9			
	16:50	81.7	86.9	60.6			
	16:55	78.0	82.2	62.3			
21	17:00	65.0	67.9	59.2	63.5	65.7	59.3
	17:05	61.7	64.0	58.4			
	17:10	63.3	65.8	59.8			
	17:15	63.5	65.6	59.8			
	17:20	63.6	65.5	59.5			
	17:25	63.0	65.1	59.2			
22	17:30	63.4	66.9	58.6	64.1	67.0	59.3
	17:35	65.1	67.9	60.1			
	17:40	62.1	64.1	59.0			
	17:45	62.5	65.3	58.4			
	17:50	63.8	67.3	58.9			
	17:55	66.2	70.3	60.7			
23	18:00	65.6	68.7	61.0	64.3	66.3	60.6
	18:05	63.8	66.1	60.0			
	18:10	63.6	65.8	59.8			
	18:15	63.7	65.8	59.7			
	18:20	63.1	65.0	61.2			
	18:25	65.2	66.4	61.9			
24	18:30	64.5	66.6	62.2	64.1	65.9	61.9
	18:35	63.3	64.6	62.0			
	18:40	64.0	65.6	62.3			
	18:45	65.2	67.8	62.4			
	18:50	63.8	65.5	61.4			
	18:55	63.3	65.2	61.3			

Mean 63.7 65.6 58.9
Maximum 76.1 75.8 62.8
Minimum 58.2 59.0 53.0



Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	58.2	60.9	53.8	59.8	62.0	53.9
	7:05	60.8	62.4	53.8			
	7:10	58.3	60.6	55.2			
	7:15	60.3	61.5	53.9			
	7:20	61.9	66.5	53.8			
2	7:25	57.3	60.3	53.1	58.3	60.6	53.1
	7:30	55.9	58.4	53.2			
	7:35	58.6	59.6	52.8			
	7:40	60.4	64.7	53.3			
	7:45	57.3	60.2	53.3			
	7:50	55.5	58.2	52.9			
	7:55	59.7	62.2	52.8			
3	8:00	57.6	60.5	53.6	57.3	59.8	53.2
	8:05	57.9	59.9	53.5			
	8:10	56.7	58.8	53.4			
	8:15	58.6	61.0	52.9			
	8:20	56.4	59.0	52.6			
4	8:25	56.1	59.5	53.0	57.7	59.1	52.6
	8:30	61.3	63.1	52.7			
	8:35	55.8	58.8	52.5			
	8:40	55.0	57.2	52.6			
	8:45	59.6	61.9	52.5			
	8:50	54.9	57.6	52.4			
5	8:55	54.7	56.0	53.0	59.6	60.4	57.2
	9:00	54.3	55.8	52.6			
	9:05	57.8	60.2	55.0			
	9:10	61.4	62.2	60.6			
	9:15	61.4	61.7	60.7			
	9:20	60.0	61.0	58.2			
6	9:25	59.2	61.2	55.9	57.9	59.9	54.6
	9:30	57.3	59.2	54.5			
	9:35	59.1	60.3	54.7			
	9:40	56.7	58.6	54.5			
	9:45	57.7	60.3	54.4			
	9:50	57.7	60.2	54.1			
7	9:55	58.3	60.8	55.1	60.1	61.7	56.5
	10:00	60.9	61.9	55.0			
	10:05	61.4	63.1	55.6			
	10:10	58.7	60.4	56.1			
	10:15	58.6	60.6	56.6			
8	10:20	60.3	62.9	57.6	61.4	63.6	58.3
	10:25	59.8	61.4	58.2			
	10:30	60.9	62.5	59.4			
	10:35	60.1	61.6	58.2			
	10:40	61.1	64.3	57.1			
	10:45	62.9	66.6	57.6			
9	10:50	60.3	62.2	58.0	62.5	64.5	59.9
	10:55	62.3	64.1	59.5			
	11:00	63.7	65.4	60.7			
	11:05	62.4	64.1	60.5			
	11:10	61.3	63.0	59.4			
10	11:15	63.3	66.9	59.0	63.2	65.0	59.1
	11:20	62.3	64.1	60.1			
	11:25	61.5	63.2	59.6			
	11:30	63.2	65.9	59.5			
	11:35	64.1	65.3	59.2			
	11:40	61.9	64.0	59.4			
11	11:45	62.9	65.6	58.1	64.8	66.6	60.7
	11:50	63.0	63.8	58.3			
	11:55	63.6	65.4	60.1			
	12:00	64.1	65.0	60.0			
	12:05	66.4	69.6	61.4			
12	12:10	65.4	67.9	61.4	64.2	66.6	60.1
	12:15	65.3	66.9	62.2			
	12:20	64.3	66.6	60.0			
	12:25	61.7	63.8	59.1			
	12:30	64.1	67.1	60.0			
12:35	63.5	66.6	59.3				
12:40	62.9	65.0	60.1				
12:45	64.9	67.9	60.7				
12:50	64.0	66.6	60.2				
12:55	65.3	66.1	60.3				

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	66.8	69.7	59.5	63.5	65.5	59.0
	13:05	61.7	63.3	58.4			
	13:10	61.6	63.9	58.4			
	13:15	64.3	68.0	59.1			
	13:20	61.2	63.4	58.7			
14	13:25	62.2	64.4	59.7	62.7	64.8	59.4
	13:30	63.7	66.9	59.0			
	13:35	63.0	64.3	58.9			
	13:40	62.4	64.4	59.3			
	13:45	62.3	65.0	59.2			
	13:50	62.7	64.3	59.9			
15	13:55	62.2	63.9	60.2	64.1	66.6	60.0
	14:00	62.5	65.5	59.1			
	14:05	61.5	63.6	58.7			
	14:10	65.1	67.0	60.3			
	14:15	63.8	68.3	59.3			
	14:20	66.5	70.0	61.0			
16	14:25	63.4	65.0	61.3	64.0	65.8	61.3
	14:30	63.3	65.2	61.3			
	14:35	63.8	65.4	61.4			
	14:40	62.9	64.5	61.0			
	14:45	64.6	67.0	61.6			
	14:50	65.9	68.6	61.7			
17	14:55	62.4	63.9	60.7	62.9	64.6	60.9
	15:00	63.6	65.1	61.5			
	15:05	62.2	63.8	60.7			
	15:10	63.0	64.6	61.0			
	15:15	62.7	64.3	60.7			
	15:20	62.2	63.5	60.7			
18	15:25	63.8	66.2	61.0	63.2	64.9	59.9
	15:30	64.2	66.9	61.1			
	15:35	62.8	64.0	60.9			
	15:40	63.7	65.6	61.1			
	15:45	63.0	64.2	60.7			
	15:50	63.2	65.2	58.0			
19	15:55	62.3	63.5	57.4	63.0	65.2	58.0
	16:00	60.8	63.3	57.1			
	16:05	63.5	64.5	57.4			
	16:10	64.7	67.1	59.8			
	16:15	63.5	66.1	59.2			
	16:20	62.1	65.1	57.6			
20	16:25	62.0	65.2	57.1	62.1	64.6	57.1
	16:30	62.5	64.6	57.5			
	16:35	63.4	67.1	57.4			
	16:40	61.4	63.7	57.5			
	16:45	62.9	65.5	56.8			
	16:50	60.8	63.4	56.6			
21	16:55	60.9	63.0	56.9	62.8	65.5	57.2
	17:00	63.9	67.5	58.5			
	17:05	61.9	64.8	57.3			
	17:10	61.3	63.8	56.8			
	17:15	64.5	66.0	57.2			
	17:20	63.9	68.3	57.2			
22	17:25	59.8	62.6	55.9	63.4	65.7	58.7
	17:30	62.8	65.1	57.2			
	17:35	62.6	65.3	56.4			
	17:40	62.8	65.4	58.5			
	17:45	65.5	68.1	62.1			
	17:50	62.5	64.0	59.8			
23	17:55	63.3	66.2	58.0	62.6	64.7	58.1
	18:00	63.3	65.9	57.8			
	18:05	61.2	63.6	57.1			
	18:10	63.7	65.4	57.9			
	18:15	63.5	66.0	57.7			
	18:20	61.8	63.9	58.5			
24	18:25	61.3	63.2	59.5	62.5	64.4	59.2
	18:30	62.9	65.3	59.0			
	18:35	61.7	63.7	58.7			
	18:40	61.7	63.9	59.2			
	18:45	63.0	64.6	59.2			
	18:50	61.6	63.8	59.4			
18:55	63.4	65.0	59.6				

Mean 61.8
 Maximum 64.8
 Minimum 57.3

63.8
 66.6
 59.1

57.8
 61.3
 52.6



Location: dm2(Day4) Date: 9/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	57.2	60.3	53.1	59.7	61.8	53.4
	7:05	61.7	64.5	54.2			
	7:10	58.9	61.4	53.4			
	7:15	59.2	60.9	53.2			
	7:20	61.7	64.1	53.6			
	7:25	57.4	59.6	52.7			
2	7:30	59.5	60.1	52.7	58.7	60.3	52.6
	7:35	59.3	60.3	52.4			
	7:40	59.8	62.6	53.3			
	7:45	56.8	59.7	52.2			
	7:50	56.5	58.5	52.0			
	7:55	58.9	60.7	52.9			
3	8:00	58.4	60.7	52.9	57.5	59.6	52.5
	8:05	58.7	62.2	53.0			
	8:10	55.3	57.1	51.9			
	8:15	59.4	61.3	52.4			
	8:20	55.7	58.3	52.9			
	8:25	55.6	57.7	52.1			
4	8:30	62.4	63.9	53.0	58.3	59.3	52.3
	8:35	55.2	57.3	52.1			
	8:40	55.1	58.1	52.0			
	8:45	59.4	62.2	52.1			
	8:50	57.0	58.2	52.3			
	8:55	54.8	55.8	52.4			
5	9:00	55.0	56.5	52.4	62.0	62.2	58.5
	9:05	60.2	61.8	56.1			
	9:10	63.7	64.8	61.4			
	9:15	64.2	64.7	63.8			
	9:20	63.7	64.8	60.5			
	9:25	59.3	60.7	56.6			
6	9:30	57.9	59.4	54.4	65.3	61.9	54.3
	9:35	60.3	60.5	54.2			
	9:40	57.9	60.1	54.3			
	9:45	57.3	60.1	54.3			
	9:50	71.2	65.0	54.3			
	9:55	66.2	66.5	54.2			
7	10:00	66.3	64.9	55.5	63.0	62.6	56.0
	10:05	66.8	67.8	56.4			
	10:10	58.5	60.9	55.7			
	10:15	58.4	60.1	55.2			
	10:20	59.2	61.3	56.1			
	10:25	58.6	60.3	57.0			
8	10:30	60.1	62.4	57.7	63.6	64.8	60.2
	10:35	64.2	63.1	58.7			
	10:40	61.8	62.7	59.4			
	10:45	65.3	68.8	60.9			
	10:50	63.7	65.3	62.0			
	10:55	64.4	66.2	62.4			
9	11:00	64.4	66.1	61.4	63.9	65.2	61.1
	11:05	65.8	66.2	62.3			
	11:10	61.4	62.9	60.2			
	11:15	65.0	68.3	60.5			
	11:20	62.7	63.9	61.4			
	11:25	62.4	63.9	61.0			
10	11:30	64.2	66.5	60.9	62.8	64.9	58.8
	11:35	62.5	64.3	59.8			
	11:40	61.9	62.9	58.4			
	11:45	62.6	65.6	57.5			
	11:50	62.1	64.1	57.0			
	11:55	63.3	66.2	58.9			
11	12:00	64.3	67.4	59.4	62.4	64.5	57.5
	12:05	63.2	65.6	58.1			
	12:10	62.8	64.6	57.7			
	12:15	61.3	62.4	57.6			
	12:20	61.8	65.0	56.3			
	12:25	59.6	61.9	56.0			
12	12:30	61.6	63.7	56.8	65.1	66.6	58.8
	12:35	65.7	67.1	56.9			
	12:40	69.2	72.4	64.5			
	12:45	64.8	68.8	58.6			
	12:50	60.8	63.2	58.0			
	12:55	62.0	64.1	57.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	64.2	65.9	59.0	63.1	65.2	58.8
	13:05	61.6	63.9	58.7			
	13:10	64.4	66.2	60.4			
	13:15	64.5	68.4	59.3			
	13:20	61.9	64.5	57.9			
	13:25	60.0	62.3	57.2			
14	13:30	63.0	66.9	57.9	62.9	64.8	57.6
	13:35	61.9	63.2	57.9			
	13:40	61.0	62.9	57.5			
	13:45	63.4	67.9	57.7			
	13:50	65.5	65.4	57.5			
	13:55	60.3	62.6	57.2			
15	14:00	62.6	64.9	58.0	62.7	64.8	57.5
	14:05	62.1	63.8	58.2			
	14:10	63.3	64.1	56.6			
	14:15	64.5	68.5	58.7			
	14:20	62.0	64.0	56.8			
	14:25	60.7	63.3	56.9			
16	14:30	62.9	65.9	57.4	62.6	64.5	57.6
	14:35	61.8	63.9	57.7			
	14:40	59.8	61.8	56.3			
	14:45	62.6	65.5	57.4			
	14:50	63.8	65.4	57.6			
	14:55	63.5	64.5	59.4			
17	15:00	65.0	68.8	58.4	64.8	68.0	58.8
	15:05	64.9	68.1	59.0			
	15:10	64.6	67.5	59.4			
	15:15	64.8	68.6	58.9			
	15:20	64.6	66.6	58.8			
	15:25	65.0	68.6	58.4			
18	15:30	66.3	69.7	58.5	64.7	67.5	57.9
	15:35	64.8	68.7	58.2			
	15:40	62.8	64.0	57.7			
	15:45	64.5	68.5	58.6			
	15:50	65.6	68.9	57.7			
	15:55	63.4	65.1	56.7			
19	16:00	62.6	65.2	57.5	64.0	66.6	57.8
	16:05	65.1	67.4	58.1			
	16:10	63.5	65.4	57.2			
	16:15	63.4	67.2	57.8			
	16:20	64.8	66.8	58.4			
	16:25	64.2	67.4	58.0			
20	16:30	62.7	65.5	57.9	63.5	66.0	57.9
	16:35	63.7	66.0	57.7			
	16:40	64.0	67.2	58.4			
	16:45	62.6	64.8	57.6			
	16:50	63.6	66.2	57.4			
	16:55	63.9	66.5	58.5			
21	17:00	63.1	65.3	58.9	63.5	65.8	58.1
	17:05	63.7	66.6	58.7			
	17:10	63.7	65.9	58.0			
	17:15	62.7	64.7	58.2			
	17:20	64.9	69.4	58.0			
	17:25	62.0	63.1	56.9			
22	17:30	63.6	67.9	56.9	62.3	65.0	56.9
	17:35	63.3	65.1	57.1			
	17:40	63.1	67.7	57.1			
	17:45	61.9	64.8	56.7			
	17:50	61.2	63.1	56.6			
	17:55	59.3	61.2	57.2			
23	18:00	64.3	67.5	57.1	61.2	63.1	56.6
	18:05	59.0	61.3	56.6			
	18:10	58.7	60.7	56.2			
	18:15	62.5	65.6	57.3			
	18:20	60.4	61.8	56.0			
	18:25	59.1	61.4	56.2			
24	18:30	61.6	63.6	56.1	60.5	62.5	56.2
	18:35	59.9	61.4	56.4			
	18:40	61.4	63.0	56.7			
	18:45	61.5	64.4	56.2			
	18:50	58.5	61.2	55.9			
	18:55	58.9	61.4	55.7			

Mean 62.4 64.1 57.0
Maximum 65.3 68.0 61.1
Minimum 57.5 59.3 52.3



Location: dm2(Day5) Date: 10/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	57.0	59.6	53.1	58.6	60.8	52.4
	7:05	60.3	63.4	52.5			
	7:10	55.7	58.7	51.8			
	7:15	59.6	60.7	52.6			
	7:20	60.6	64.0	52.8			
	7:25	55.7	58.1	51.5			
2	7:30	54.3	55.9	51.6	57.8	59.8	52.1
	7:35	55.7	58.5	51.9			
	7:40	59.2	62.8	51.9			
	7:45	55.5	58.7	51.5			
	7:50	58.0	59.5	52.4			
	7:55	60.5	63.2	53.5			
3	8:00	55.5	57.7	52.3	57.8	58.4	52.3
	8:05	57.4	60.2	52.9			
	8:10	56.7	57.4	52.6			
	8:15	59.2	60.1	52.1			
	8:20	60.8	60.9	52.1			
	8:25	53.4	54.1	51.7			
4	8:30	62.9	61.9	52.1	58.9	59.4	52.4
	8:35	57.3	60.1	52.4			
	8:40	58.3	59.5	52.4			
	8:45	59.4	62.8	52.5			
	8:50	55.3	57.3	52.7			
	8:55	53.7	55.0	52.1			
5	9:00	54.6	56.2	52.6	61.5	61.7	58.2
	9:05	58.0	61.9	53.1			
	9:10	64.6	65.4	63.9			
	9:15	64.4	65.1	63.5			
	9:20	60.8	62.1	59.5			
	9:25	58.2	59.2	56.7			
6	9:30	58.5	60.6	55.6	59.4	61.4	55.8
	9:35	59.6	62.7	55.4			
	9:40	57.6	58.9	55.3			
	9:45	59.3	60.8	56.3			
	9:50	58.6	60.9	55.7			
	9:55	61.7	64.7	56.6			
7	10:00	62.1	64.6	56.9	61.6	63.5	57.9
	10:05	62.7	64.4	57.2			
	10:10	61.6	63.4	58.7			
	10:15	60.4	62.2	57.8			
	10:20	61.1	63.1	58.1			
	10:25	61.3	63.4	58.7			
8	10:30	60.5	62.5	58.5	62.7	64.1	59.3
	10:35	61.1	63.1	58.7			
	10:40	63.0	65.0	58.5			
	10:45	64.4	65.6	58.5			
	10:50	62.0	64.0	60.2			
	10:55	64.0	64.6	61.2			
9	11:00	64.1	66.6	60.7	62.7	64.7	59.0
	11:05	61.0	63.0	58.6			
	11:10	62.0	63.9	58.2			
	11:15	62.7	65.2	58.4			
	11:20	63.0	64.3	59.2			
	11:25	62.5	65.1	58.6			
10	11:30	63.6	66.2	59.4	63.7	65.8	60.1
	11:35	62.9	64.1	60.4			
	11:40	63.8	65.0	60.3			
	11:45	64.7	68.4	60.0			
	11:50	63.5	65.7	60.3			
	11:55	63.5	65.3	60.2			
11	12:00	64.3	67.4	60.2	63.9	65.9	59.8
	12:05	63.1	65.4	59.7			
	12:10	64.6	66.1	60.0			
	12:15	64.6	65.9	59.7			
	12:20	63.7	65.7	59.6			
	12:25	62.7	64.8	59.7			
12	12:30	64.4	67.5	59.5	63.3	65.7	59.0
	12:35	63.1	65.1	58.8			
	12:40	63.1	64.6	58.8			
	12:45	64.0	67.3	59.1			
	12:50	62.8	65.1	59.4			
	12:55	62.3	64.7	58.3			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	66.9	70.4	60.2	64.4	66.6	60.0
	13:05	64.4	67.1	60.1			
	13:10	63.3	64.9	60.0			
	13:15	64.6	67.4	60.6			
	13:20	62.5	64.5	59.8			
	13:25	63.1	65.3	59.5			
14	13:30	66.5	69.9	60.4	65.0	67.3	61.1
	13:35	63.6	65.8	60.5			
	13:40	65.1	67.3	61.0			
	13:45	64.7	67.2	61.5			
	13:50	65.0	67.7	61.7			
	13:55	64.6	66.1	61.5			
15	14:00	65.5	68.8	61.5	65.1	67.1	62.3
	14:05	63.8	66.2	61.7			
	14:10	65.2	66.2	62.2			
	14:15	66.5	69.5	62.7			
	14:20	64.5	66.1	62.6			
	14:25	64.3	65.6	62.8			
16	14:30	65.9	68.4	63.0	66.5	68.5	63.3
	14:35	65.0	65.9	63.0			
	14:40	65.1	66.8	63.2			
	14:45	67.7	70.2	63.8			
	14:50	68.1	71.0	63.6			
	14:55	66.3	68.7	63.4			
17	15:00	65.9	68.3	63.2	65.4	67.6	62.3
	15:05	65.3	67.4	63.3			
	15:10	66.0	68.4	63.0			
	15:15	66.9	70.1	62.2			
	15:20	63.9	66.2	61.0			
	15:25	63.4	65.2	61.0			
18	15:30	64.5	67.5	60.5	63.7	65.7	59.2
	15:35	62.6	64.4	60.5			
	15:40	63.2	64.7	60.3			
	15:45	63.3	64.5	57.8			
	15:50	62.9	65.3	57.2			
	15:55	65.2	67.7	58.8			
19	16:00	62.8	66.6	57.8	63.2	65.6	58.1
	16:05	63.8	65.1	57.8			
	16:10	62.4	63.9	58.1			
	16:15	64.4	67.8	58.3			
	16:20	62.9	65.0	59.1			
	16:25	62.3	65.1	57.6			
20	16:30	62.1	65.1	58.2	62.0	64.4	58.7
	16:35	60.9	63.4	57.6			
	16:40	61.0	63.5	58.1			
	16:45	63.5	66.8	59.6			
	16:50	61.8	63.5	59.6			
	16:55	62.4	64.2	59.3			
21	17:00	63.3	65.8	58.9	62.7	65.1	58.6
	17:05	62.8	64.8	58.7			
	17:10	63.1	66.1	58.2			
	17:15	63.0	65.8	58.8			
	17:20	62.4	65.2	58.7			
	17:25	61.2	63.0	58.5			
22	17:30	64.6	66.5	59.8	63.5	66.0	59.0
	17:35	64.4	67.9	60.2			
	17:40	62.8	65.2	59.4			
	17:45	63.9	67.1	59.3			
	17:50	62.3	64.6	57.2			
	17:55	62.3	64.8	58.3			
23	18:00	62.2	65.1	58.3	62.4	64.9	58.3
	18:05	61.5	63.5	57.8			
	18:10	62.2	65.2	58.2			
	18:15	61.4	64.0	58.4			
	18:20	64.0	66.1	58.2			
	18:25	62.8	65.4	59.1			
24	18:30	62.3	65.1	59.2	65.6	67.7	59.8
	18:35	67.6	68.8	60.2			
	18:40	65.1	67.2	58.5			
	18:45	63.8	66.9	59.1			
	18:50	64.5	66.9	60.7			
	18:55	67.6	71.5	61.2			

Mean 62.6 64.5 58.3
Maximum 66.5 68.5 63.3
Minimum 57.8 58.4 52.1



Location: dm2(Day7) Date: 12/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	59.5	62.4	55.4	60.1	62.9	53.4
	7:05	61.7	64.3	55.3			
	7:10	58.7	62.1	52.8			
	7:15	60.0	62.4	52.6			
	7:20	60.8	65.0	52.4			
	7:25	59.3	61.1	52.1			
2	7:30	61.7	61.0	51.9	59.2	60.9	52.3
	7:35	58.3	61.5	52.6			
	7:40	59.3	61.1	52.4			
	7:45	56.1	59.2	52.0			
	7:50	57.8	59.9	52.2			
	7:55	59.6	62.9	52.4			
3	8:00	56.2	59.4	51.8	56.9	58.3	52.0
	8:05	56.7	58.1	52.2			
	8:10	54.1	55.9	51.8			
	8:15	60.5	61.6	51.9			
	8:20	54.4	56.7	51.7			
	8:25	55.7	58.2	52.4			
4	8:30	60.7	64.6	52.8	58.5	59.2	52.3
	8:35	56.1	59.8	51.9			
	8:40	54.3	56.7	51.6			
	8:45	62.7	63.1	52.6			
	8:50	55.1	55.8	52.2			
	8:55	54.1	55.1	52.4			
5	9:00	54.3	55.7	52.4	61.0	61.2	56.6
	9:05	56.0	57.7	52.5			
	9:10	62.5	65.2	55.7			
	9:15	65.2	65.6	64.5			
	9:20	61.3	64.3	58.4			
	9:25	57.4	58.9	55.8			
6	9:30	56.4	58.0	54.5	58.8	59.2	54.5
	9:35	55.8	57.3	54.0			
	9:40	57.5	59.7	54.0			
	9:45	56.7	58.9	53.9			
	9:50	56.9	59.0	54.8			
	9:55	63.5	62.3	55.5			
7	10:00	64.2	63.9	55.8	62.5	63.3	59.3
	10:05	59.4	61.6	56.4			
	10:10	60.8	62.4	58.2			
	10:15	62.2	63.3	60.7			
	10:20	63.3	64.4	62.3			
	10:25	63.1	64.1	62.2			
8	10:30	62.2	63.5	59.9	62.4	63.9	59.9
	10:35	60.8	62.7	58.6			
	10:40	63.2	64.4	59.9			
	10:45	62.9	64.7	60.6			
	10:50	63.0	64.6	61.4			
	10:55	61.6	63.5	59.0			
9	11:00	63.4	66.1	58.4	63.0	64.8	59.9
	11:05	61.6	63.9	58.5			
	11:10	62.8	64.1	59.5			
	11:15	63.5	64.9	61.4			
	11:20	63.0	64.6	60.7			
	11:25	63.5	64.9	60.6			
10	11:30	64.7	67.3	61.3	64.9	66.6	60.7
	11:35	64.7	66.3	61.0			
	11:40	66.0	65.2	61.0			
	11:45	63.8	65.1	60.8			
	11:50	65.5	68.1	61.1			
	11:55	64.1	67.5	59.1			
11	12:00	63.3	64.5	59.5	65.4	67.1	61.5
	12:05	66.8	70.2	61.5			
	12:10	65.4	67.2	61.4			
	12:15	64.9	66.3	62.2			
	12:20	66.7	69.4	62.4			
	12:25	63.9	65.1	61.8			
12	12:30	67.8	72.1	61.5	65.7	68.6	60.9
	12:35	66.4	70.3	61.7			
	12:40	65.6	69.5	59.7			
	12:45	65.1	68.6	60.1			
	12:50	63.0	64.9	60.1			
	12:55	64.5	66.3	62.5			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	64.8	66.4	62.4	64.6	66.2	62.0
	13:05	64.2	65.4	62.6			
	13:10	65.5	66.7	62.5			
	13:15	65.2	67.9	62.0			
	13:20	64.2	65.7	61.3			
	13:25	63.7	65.1	61.2			
14	13:30	66.4	69.7	61.8	65.2	67.4	61.0
	13:35	64.2	66.3	61.4			
	13:40	66.6	68.8	62.2			
	13:45	66.1	69.0	61.8			
	13:50	62.6	64.5	59.8			
	13:55	63.7	66.3	59.1			
15	14:00	63.1	65.7	59.6	64.6	67.2	59.5
	14:05	64.1	66.6	60.3			
	14:10	67.0	69.9	60.4			
	14:15	65.1	69.3	59.7			
	14:20	64.5	67.6	58.4			
	14:25	61.9	64.2	58.3			
16	14:30	68.4	70.5	60.0	67.5	68.7	59.0
	14:35	69.1	69.7	58.9			
	14:40	69.3	71.6	59.3			
	14:45	66.3	69.0	59.4			
	14:50	65.7	66.3	58.8			
	14:55	62.5	64.9	57.8			
17	15:00	65.1	68.9	60.3	65.1	67.6	59.6
	15:05	64.2	66.0	58.1			
	15:10	63.3	66.3	56.9			
	15:15	67.3	70.4	63.1			
	15:20	66.6	70.2	60.2			
	15:25	62.1	64.0	58.9			
18	15:30	65.6	68.6	59.3	64.3	66.8	59.0
	15:35	63.5	66.7	59.1			
	15:40	61.9	63.6	58.9			
	15:45	64.9	67.8	59.4			
	15:50	63.2	64.6	58.5			
	15:55	65.7	69.3	58.9			
19	16:00	66.6	69.9	60.5	63.9	66.3	59.4
	16:05	64.3	67.4	59.6			
	16:10	61.2	63.1	58.7			
	16:15	63.4	65.1	59.2			
	16:20	62.9	65.0	59.2			
	16:25	63.4	67.5	58.9			
20	16:30	64.6	68.1	60.0	64.4	66.6	60.3
	16:35	64.9	66.5	62.0			
	16:40	64.9	68.2	61.2			
	16:45	64.8	67.3	61.5			
	16:50	63.9	63.9	58.6			
	16:55	62.8	65.6	58.2			
21	17:00	62.9	65.5	58.2	63.6	65.3	58.4
	17:05	63.1	66.2	57.8			
	17:10	65.1	66.1	57.7			
	17:15	62.4	64.6	58.2			
	17:20	64.7	65.9	59.5			
	17:25	62.7	63.7	58.9			
22	17:30	64.1	65.9	60.5	63.8	65.4	61.2
	17:35	63.6	64.9	61.0			
	17:40	62.9	64.5	61.3			
	17:45	64.4	67.1	61.4			
	17:50	63.8	65.1	61.2			
	17:55	63.5	65.0	61.7			
23	18:00	64.9	68.3	61.8	65.7	67.7	62.3
	18:05	66.5	68.4	62.7			
	18:10	64.2	66.0	62.3			
	18:15	64.8	66.4	61.7			
	18:20	65.0	67.6	62.4			
	18:25	67.7	69.6	62.8			
24	18:30	67.0	69.5	62.5	65.0	66.6	61.6
	18:35	63.3	64.5	61.9			
	18:40	64.2	66.2	61.9			
	18:45	65.6	68.2	62.2			
	18:50	63.2	63.7	60.7			
	18:55	65.3	67.2	60.1			

Mean 63.2
Maximum 67.5
Minimum 56.9

64.9
68.7
58.3

58.6
62.3
52.0



Location: dm2(Day8) Date 13/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	56.3	59.3	51.0	58.3	60.7	51.4
	7:05	59.3	63.0	52.1			
	7:10	55.8	59.4	51.1			
	7:15	59.2	59.3	51.7			
	7:20	60.7	64.4	52.2			
	7:25	56.4	59.0	50.2			
2	7:30	57.5	60.2	50.4	58.0	60.0	49.9
	7:35	53.6	54.2	49.4			
	7:40	60.5	64.3	49.2			
	7:45	54.5	57.3	50.1			
	7:50	55.7	58.9	49.7			
	7:55	60.9	65.1	50.7			
3	8:00	60.5	62.0	50.6	58.5	60.3	51.3
	8:05	56.9	60.6	51.6			
	8:10	55.1	58.1	51.1			
	8:15	58.9	62.1	50.8			
	8:20	60.6	59.8	52.9			
	8:25	55.6	59.1	51.0			
4	8:30	59.0	62.5	50.3	57.1	58.7	50.7
	8:35	59.3	61.0	52.2			
	8:40	54.3	57.5	50.4			
	8:45	58.8	60.7	50.7			
	8:50	53.5	54.8	50.0			
	8:55	53.5	55.7	50.5			
5	9:00	57.4	61.5	52.0	56.9	58.9	53.1
	9:05	55.3	59.0	50.8			
	9:10	54.5	56.3	51.3			
	9:15	54.8	56.6	51.5			
	9:20	58.5	59.8	56.0			
	9:25	59.0	60.4	57.1			
6	9:31	57.6	59.4	54.2	57.6	59.6	54.3
	9:35	56.7	58.8	53.5			
	9:40	57.0	59.2	54.5			
	9:45	56.9	59.2	54.1			
	9:50	59.0	60.3	54.6			
	9:55	57.9	60.4	54.8			
7	10:00	64.8	67.9	54.8	61.0	62.5	56.4
	10:05	58.1	60.2	55.6			
	10:10	59.9	62.0	56.7			
	10:15	59.4	61.4	57.1			
	10:20	59.1	60.5	56.6			
	10:25	60.9	62.9	57.5			
8	10:30	60.5	62.4	58.3	61.7	63.8	59.0
	10:35	60.9	62.4	59.3			
	10:40	61.1	63.0	58.8			
	10:45	63.5	66.8	59.3			
	10:50	61.2	63.6	58.8			
	10:55	62.5	64.3	59.2			
9	11:00	63.6	66.3	58.5	62.4	64.5	58.9
	11:05	60.6	62.8	58.1			
	11:10	60.8	62.9	58.3			
	11:15	63.8	66.9	59.3			
	11:20	62.8	64.8	59.8			
	11:25	61.8	63.4	59.6			
10	11:30	63.9	66.1	60.3	63.2	65.4	59.7
	11:35	62.5	64.2	60.1			
	11:40	62.7	65.1	59.7			
	11:45	64.1	67.2	59.8			
	11:50	62.9	65.3	59.3			
	11:55	62.6	64.7	59.0			
11	12:00	63.7	67.7	58.4	63.9	66.4	59.2
	12:05	63.6	64.8	59.0			
	12:10	62.3	64.6	59.4			
	12:15	65.3	68.5	59.4			
	12:20	64.0	66.1	59.0			
	12:25	64.0	66.5	60.0			
12	12:30	65.0	67.8	60.9	64.2	66.5	60.0
	12:35	62.7	64.6	59.6			
	12:40	64.3	67.0	59.6			
	12:45	65.9	69.5	60.7			
	12:50	63.2	64.9	60.0			
	12:55	62.9	65.3	58.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	65.1	68.3	60.2	64.4	66.8	61.2
	13:05	64.3	67.8	59.8			
	13:10	64.5	66.4	61.5			
	13:15	64.8	67.2	61.8			
	13:20	63.9	66.0	61.6			
	13:25	63.9	65.0	62.1			
14	13:30	65.7	69.0	62.0	65.7	68.1	62.5
	13:35	64.2	66.6	62.2			
	13:40	65.6	67.8	62.5			
	13:45	67.9	71.2	63.3			
	13:50	65.5	68.3	62.7			
	13:55	64.0	65.5	62.5			
15	14:00	66.8	69.2	63.1	64.9	67.4	60.5
	14:05	64.1	65.4	60.7			
	14:10	64.1	67.2	60.3			
	14:15	64.7	68.3	59.7			
	14:20	62.5	64.7	59.3			
	14:25	66.0	69.7	60.0			
16	14:30	63.6	67.4	59.2	65.1	67.3	60.2
	14:35	64.9	67.7	59.5			
	14:40	63.1	65.6	58.8			
	14:45	65.2	68.5	60.7			
	14:50	66.6	67.9	62.1			
	14:55	66.1	66.9	60.9			
17	15:00	64.0	66.7	60.1	63.5	66.3	58.5
	15:05	63.1	66.2	58.7			
	15:10	61.7	64.4	56.9			
	15:15	63.8	67.5	57.7			
	15:20	64.3	66.7	58.5			
	15:25	63.4	66.3	59.0			
18	15:30	63.5	66.5	58.6	63.2	66.0	57.8
	15:35	62.1	65.3	57.0			
	15:40	62.9	64.8	56.7			
	15:45	64.2	66.7	58.8			
	15:50	64.0	67.6	57.6			
	15:55	61.9	65.1	58.0			
19	16:00	65.4	69.3	58.1	63.6	65.8	58.0
	16:05	65.1	67.8	58.2			
	16:10	63.4	65.5	58.1			
	16:15	61.6	63.7	58.8			
	16:20	62.7	64.7	58.0			
	16:25	61.4	63.7	57.0			
20	16:30	63.2	67.0	57.4	62.3	64.6	58.1
	16:35	61.9	65.0	58.0			
	16:40	61.8	63.9	57.7			
	16:45	62.8	64.2	58.6			
	16:50	61.5	63.4	58.1			
	16:55	62.2	64.2	58.6			
21	17:00	62.6	64.9	58.3	63.0	65.5	59.1
	17:05	63.2	65.9	59.0			
	17:10	62.8	65.7	59.4			
	17:15	61.9	64.5	59.1			
	17:20	64.4	67.2	59.1			
	17:25	62.9	64.9	59.5			
22	17:30	65.4	68.8	59.7	64.8	67.2	60.3
	17:35	66.8	69.5	60.1			
	17:40	64.7	67.7	60.2			
	17:45	63.2	65.7	59.6			
	17:50	63.3	64.7	61.1			
	17:55	64.3	67.0	61.1			
23	18:00	63.3	66.2	59.5	69.6	65.9	59.1
	18:05	61.9	63.7	59.3			
	18:10	64.9	68.0	60.4			
	18:15	65.1	68.3	59.6			
	18:20	76.3	66.7	58.3			
	18:25	60.0	62.3	57.2			
24	18:30	63.5	66.6	58.9	63.3	65.2	58.4
	18:35	60.9	63.0	58.6			
	18:40	60.2	62.4	57.3			
	18:45	63.1	66.8	58.2			
	18:50	62.1	63.5	57.8			
	18:55	66.6	68.7	59.6			

Mean 62.3
Maximum 69.6
Minimum 56.9

64.3
68.1
58.7

57.4
62.5
49.9



Location: dm2(Day9) Date: 14/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	57.1	60.8	50.3	58.6	61.1	50.6
	7:05	60.3	64.0	49.5			
	7:10	57.6	61.0	50.6			
	7:15	56.4	58.1	50.2			
	7:20	60.6	62.8	51.2			
	7:25	57.4	59.9	51.7			
2	7:30	55.8	58.4	51.0	58.4	60.7	52.4
	7:35	56.1	59.4	51.4			
	7:40	60.4	64.6	52.7			
	7:45	57.7	59.6	52.1			
	7:50	55.5	58.2	51.8			
	7:55	61.1	63.7	55.1			
3	8:00	61.8	62.3	54.0	59.5	60.8	53.6
	8:05	59.5	62.7	54.4			
	8:10	56.9	56.6	54.3			
	8:15	60.7	63.4	54.6			
	8:20	59.9	61.5	52.8			
	8:25	55.6	58.5	51.7			
4	8:30	61.0	64.1	51.4	57.5	59.3	51.2
	8:35	55.2	58.2	51.1			
	8:40	53.3	54.9	51.3			
	8:45	59.6	61.9	52.0			
	8:50	54.6	57.5	51.0			
	8:55	56.0	59.2	50.5			
5	9:00	56.9	58.5	55.2	58.4	59.5	56.4
	9:05	57.1	58.7	55.3			
	9:10	57.3	58.9	55.2			
	9:15	57.8	58.2	55.6			
	9:20	59.8	60.6	58.7			
	9:25	60.3	62.2	58.5			
6	9:30	59.0	60.5	57.3	59.8	61.4	56.9
	9:35	58.2	59.3	56.5			
	9:40	58.0	59.9	56.3			
	9:45	59.1	61.2	57.0			
	9:50	59.0	61.2	56.7			
	9:55	63.2	66.5	57.5			
7	10:00	65.1	69.6	57.9	61.9	63.8	58.7
	10:05	60.6	62.6	58.1			
	10:10	61.2	63.2	58.5			
	10:15	60.5	62.1	58.9			
	10:20	61.0	62.7	59.4			
	10:25	61.1	62.7	59.5			
8	10:30	61.1	63.1	59.0	61.9	63.6	59.2
	10:35	61.2	62.7	59.0			
	10:40	61.9	62.9	58.8			
	10:45	62.9	65.2	59.5			
	10:50	61.9	63.8	59.5			
	10:55	62.0	64.0	59.6			
9	11:00	63.5	65.6	60.4	63.4	65.2	60.3
	11:05	62.3	64.0	59.8			
	11:10	62.9	64.6	59.9			
	11:15	63.9	65.3	60.1			
	11:20	63.2	64.5	61.3			
	11:25	64.1	66.9	60.1			
10	11:30	63.5	65.1	61.1	64.1	63.3	56.2
	11:35	69.7	67.7	60.8			
	11:40	55.5	58.2	51.8			
	11:45	61.1	63.7	55.1			
	11:50	61.8	62.3	54.0			
	11:55	59.5	62.7	54.4			
11	12:00	56.9	56.6	54.3	58.8	60.4	52.7
	12:05	60.7	63.4	54.6			
	12:10	59.9	61.5	52.8			
	12:15	55.6	58.5	51.7			
	12:20	61.0	64.1	51.4			
	12:25	55.2	58.2	51.1			
12	12:30	53.3	54.9	51.3	56.7	58.5	52.6
	12:35	59.6	61.9	52.0			
	12:40	54.6	57.5	51.0			
	12:45	56.0	59.2	50.5			
	12:50	56.9	58.5	55.2			
	12:55	57.1	58.7	55.3			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	57.3	58.9	55.2	58.9	60.0	57.0
	13:05	57.8	58.2	55.6			
	13:10	59.8	60.6	58.7			
	13:15	60.3	62.2	58.5			
	13:20	59.0	60.5	57.3			
	13:25	58.2	59.3	56.5			
14	13:30	58.0	59.9	56.3	61.6	63.5	57.3
	13:35	59.1	61.2	57.0			
	13:40	59.0	61.2	56.7			
	13:45	63.2	66.5	57.5			
	13:50	65.1	69.6	57.9			
	13:55	60.6	62.6	58.1			
15	14:00	61.2	63.2	58.5	61.0	62.8	59.1
	14:05	60.5	62.1	58.9			
	14:10	61.0	62.7	59.4			
	14:15	61.1	62.7	59.5			
	14:20	61.1	63.1	59.0			
	14:25	61.2	62.7	59.0			
16	14:30	61.1	62.7	59.5	61.7	63.4	59.2
	14:35	61.1	63.1	59.0			
	14:40	61.2	62.7	59.0			
	14:45	61.9	62.9	58.8			
	14:50	62.9	65.2	59.5			
	14:55	61.9	63.8	59.5			
17	15:00	62.0	64.0	59.6	63.0	64.7	60.2
	15:05	63.5	65.6	60.4			
	15:10	62.3	64.0	59.8			
	15:15	62.9	64.6	59.9			
	15:20	63.9	65.3	60.1			
	15:25	63.2	64.5	61.3			
18	15:30	64.1	66.9	60.1	64.6	64.0	57.2
	15:35	63.5	65.1	61.1			
	15:40	69.7	67.7	60.8			
	15:45	55.5	58.2	51.8			
	15:50	61.1	63.7	55.1			
	15:55	61.8	62.3	54.0			
19	16:00	59.5	62.7	54.4	59.3	61.1	53.2
	16:05	56.9	56.6	54.3			
	16:10	60.7	63.4	54.6			
	16:15	59.9	61.5	52.8			
	16:20	55.6	58.5	51.7			
	16:25	61.0	64.1	51.4			
20	16:30	55.2	58.2	51.1	62.8	64.4	47.0
	16:35	62.9	65.1	46.8			
	16:40	61.5	62.9	45.8			
	16:45	63.3	65.9	47.0			
	16:50	65.6	69.4	46.0			
	16:55	62.7	65.1	45.2			
21	17:00	63.7	67.6	45.5	64.7	68.2	47.5
	17:05	64.2	67.5	49.6			
	17:10	65.5	69.8	47.3			
	17:15	64.6	67.4	47.8			
	17:20	65.4	68.8	47.2			
	17:25	64.6	68.1	47.5			
22	17:30	63.9	67.5	46.7	67.1	69.2	51.6
	17:35	62.5	65.3	47.9			
	17:40	65.1	68.9	54.5			
	17:45	67.3	69.6	56.7			
	17:50	71.9	75.3	57.6			
	17:55	64.3	68.6	46.3			
23	18:00	66.8	71.5	49.9	65.4	69.1	47.6
	18:05	66.4	71.4	48.4			
	18:10	67.0	69.7	50.1			
	18:15	63.3	67.7	45.0			
	18:20	63.1	66.9	46.1			
	18:25	63.9	67.1	45.9			
24	18:30	65.7	70.0	47.9	64.7	68.2	47.4
	18:35	64.7	68.3	47.9			
	18:40	65.4	70.2	48.6			
	18:45	63.4	67.8	48.6			
	18:50	62.7	65.0	45.9			
	18:55	65.4	68.1	45.6			

Mean 61.4 63.2 54.4
Maximum 67.1 69.2 60.3
Minimum 56.7 58.5 47.0



Location: dm2(Day10) Date 15/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	56.3	60.6	46.7	55.9	58.1	47.2
	7:05	58.5	62.0	47.5			
	7:10	57.3	57.3	47.9			
	7:15	54.3	57.1	47.3			
	7:20	52.4	54.9	46.4			
	7:25	53.7	56.4	47.6			
2	7:30	55.7	57.6	47.0	55.7	58.8	47.0
	7:35	54.8	58.2	45.3			
	7:40	55.8	59.4	46.4			
	7:45	56.4	58.7	48.9			
	7:50	55.7	59.6	46.3			
	7:55	55.7	59.3	48.2			
3	8:00	59.9	60.1	45.5	57.2	58.8	47.3
	8:05	57.3	59.2	49.5			
	8:10	58.3	59.5	52.8			
	8:15	56.6	59.9	46.0			
	8:20	54.4	56.7	45.4			
	8:25	53.8	57.5	44.3			
4	8:30	56.1	58.8	44.7	54.3	56.1	45.5
	8:35	52.7	53.0	45.0			
	8:40	54.9	56.4	46.3			
	8:45	53.2	54.8	46.2			
	8:50	55.2	59.1	45.8			
	8:55	52.3	54.3	44.8			
5	9:00	52.0	53.8	44.8	51.9	53.6	44.2
	9:05	50.6	53.4	44.0			
	9:10	53.3	54.6	43.9			
	9:15	50.9	53.0	45.0			
	9:20	51.9	53.8	43.3			
	9:25	52.4	53.0	44.4			
6	9:30	55.3	57.2	44.8	53.9	56.3	45.2
	9:35	53.7	55.5	45.7			
	9:40	53.0	57.2	43.8			
	9:45	53.5	56.6	45.5			
	9:50	52.5	54.5	45.2			
	9:55	54.4	56.5	46.4			
7	10:00	63.8	61.4	47.9	58.7	59.5	47.5
	10:05	55.6	57.9	47.2			
	10:10	55.4	58.9	46.9			
	10:15	56.1	59.3	47.8			
	10:20	57.6	60.5	48.6			
	10:25	55.4	59.2	46.3			
8	10:30	57.6	61.1	48.1	57.9	59.3	47.4
	10:35	57.1	60.4	46.8			
	10:40	53.8	56.7	46.2			
	10:45	58.4	58.9	48.7			
	10:50	59.3	58.8	46.0			
	10:55	59.0	59.6	48.5			
9	11:00	55.8	58.5	47.1	56.3	58.0	48.0
	11:05	52.4	55.5	44.1			
	11:10	53.6	56.6	46.5			
	11:15	56.6	58.6	50.7			
	11:20	59.8	62.2	51.3			
	11:25	55.6	56.4	48.3			
10	11:30	56.6	59.3	50.7	57.5	59.0	48.5
	11:35	57.3	57.8	47.4			
	11:40	58.9	60.3	47.1			
	11:45	59.0	60.3	48.6			
	11:50	56.7	58.3	48.7			
	11:55	55.2	57.7	48.5			
11	12:00	56.6	59.1	49.6	55.3	58.0	47.0
	12:05	55.7	59.7	45.8			
	12:10	54.3	57.6	47.6			
	12:15	54.0	54.8	45.9			
	12:20	54.9	57.9	46.6			
	12:25	55.8	58.7	46.7			
12	12:30	61.0	63.4	48.1	59.0	61.1	47.5
	12:35	58.3	62.6	48.4			
	12:40	59.3	58.8	45.7			
	12:45	59.6	61.7	46.7			
	12:50	58.3	59.8	48.1			
	12:55	56.3	60.2	47.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	55.9	59.9	48.6	56.2	59.0	48.4
	13:05	56.2	60.0	48.5			
	13:10	58.9	60.7	49.1			
	13:15	55.5	58.8	47.1			
	13:20	54.0	56.7	47.2			
	13:25	55.0	57.9	49.9			
14	13:30	55.3	58.6	49.0	58.2	60.1	48.5
	13:35	62.1	62.7	48.6			
	13:40	58.9	62.4	50.5			
	13:45	56.0	60.0	48.1			
	13:50	54.2	57.5	46.9			
	13:55	57.2	59.6	48.0			
15	14:00	57.8	60.4	48.6	57.7	59.8	50.5
	14:05	56.4	59.6	47.8			
	14:10	61.0	63.9	52.1			
	14:15	56.2	58.4	52.5			
	14:20	57.4	60.4	52.2			
	14:25	54.4	56.2	49.9			
16	14:30	55.0	58.1	50.3	56.6	59.8	48.0
	14:35	56.1	59.3	47.8			
	14:40	57.6	60.5	48.6			
	14:45	55.4	59.2	46.3			
	14:50	57.6	61.1	48.1			
	14:55	57.1	60.4	46.8			
17	15:00	53.8	56.7	46.2	57.2	58.0	46.8
	15:05	58.4	58.9	48.7			
	15:10	59.3	58.8	46.0			
	15:15	59.0	59.6	48.5			
	15:20	55.8	58.5	47.1			
	15:25	52.4	55.5	44.1			
18	15:30	53.6	56.6	46.5	57.0	58.5	49.2
	15:35	56.6	58.6	50.7			
	15:40	59.8	62.2	51.3			
	15:45	55.6	56.4	48.3			
	15:50	56.6	59.3	50.7			
	15:55	57.3	57.8	47.4			
19	16:00	58.9	60.3	47.1	57.3	59.2	48.1
	16:05	59.0	60.3	48.6			
	16:10	56.7	58.3	48.7			
	16:15	55.2	57.7	48.5			
	16:20	56.6	59.1	49.6			
	16:25	55.7	59.7	45.8			
20	16:30	54.3	57.6	47.6	57.2	59.2	47.2
	16:35	54.0	54.8	45.9			
	16:40	54.9	57.9	46.6			
	16:45	55.8	58.7	46.7			
	16:50	61.0	63.4	48.1			
	16:55	58.3	62.6	48.4			
21	17:00	59.3	58.8	45.7	57.9	60.1	47.6
	17:05	59.6	61.7	46.7			
	17:10	58.3	59.8	48.1			
	17:15	56.3	60.2	47.9			
	17:20	55.9	59.9	48.6			
	17:25	56.2	60.0	48.5			
22	17:30	58.9	60.7	49.1	57.9	59.2	48.5
	17:35	55.5	58.8	47.1			
	17:40	54.0	56.7	47.2			
	17:45	55.0	57.9	49.9			
	17:50	55.3	58.6	49.0			
	17:55	62.1	62.7	48.6			
23	18:00	58.9	62.4	50.5	57.0	59.9	48.3
	18:05	56.0	60.0	48.1			
	18:10	54.2	57.5	46.9			
	18:15	57.2	59.6	48.0			
	18:20	57.8	60.4	48.6			
	18:25	56.4	59.6	47.8			
24	18:30	61.0	63.9	52.1	57.2	59.1	50.6
	18:35	56.2	58.4	52.5			
	18:40	57.4	60.4	52.2			
	18:45	54.4	56.2	49.9			
	18:50	55.0	58.1	50.3			
	18:55	55.3	57.7	46.8			

Mean 56.7 58.7 47.7
Maximum 59.0 61.1 50.6
Minimum 51.9 53.6 44.2



Location: dm2(Day11) Date: 16/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	54.0	57.1	45.6	55.7	59.2	45.9
	7:05	56.2	59.9	45.5			
	7:10	54.9	59.1	46.3			
	7:15	56.4	60.1	45.2			
	7:20	56.3	59.2	46.9			
	7:25	56.0	59.9	46.1			
2	7:30	56.8	57.6	45.8	56.5	58.5	46.9
	7:35	53.1	55.5	45.8			
	7:40	53.3	57.2	45.3			
	7:45	58.5	60.3	47.8			
	7:50	58.3	61.1	50.0			
	7:55	56.0	59.4	46.7			
3	8:00	56.2	59.5	51.4	59.0	60.7	54.2
	8:05	59.4	61.4	54.0			
	8:10	58.1	60.1	55.1			
	8:15	61.7	61.4	54.6			
	8:20	57.6	60.4	54.8			
	8:25	58.7	61.2	55.0			
4	8:30	55.0	58.5	47.2	55.5	58.9	46.6
	8:35	56.9	61.4	46.2			
	8:40	54.7	58.0	46.4			
	8:45	55.5	59.7	47.4			
	8:50	57.2	60.0	47.3			
	8:55	52.4	55.5	45.3			
5	9:00	55.7	57.3	46.1	58.0	58.1	46.8
	9:05	63.8	63.4	46.7			
	9:10	54.7	56.8	47.3			
	9:15	54.5	58.0	47.4			
	9:20	53.6	56.8	46.9			
	9:25	53.0	56.1	46.4			
6	9:30	58.6	61.6	49.1	55.1	57.4	47.0
	9:35	54.4	57.0	46.8			
	9:40	53.4	57.0	45.9			
	9:45	52.5	55.0	46.4			
	9:50	54.7	58.1	47.6			
	9:55	54.4	55.7	46.3			
7	10:00	51.8	53.9	46.1	56.4	58.9	49.0
	10:05	57.1	60.9	49.3			
	10:10	56.1	60.1	47.8			
	10:15	57.7	59.5	49.0			
	10:20	56.0	59.1	48.2			
	10:25	57.4	60.1	53.4			
8	10:30	57.6	60.5	53.0	56.6	59.0	49.5
	10:35	56.6	59.9	48.1			
	10:40	57.6	59.0	47.9			
	10:45	55.1	57.5	48.4			
	10:50	56.7	58.7	50.2			
	10:55	55.3	58.4	49.3			
9	11:00	58.6	61.2	49.7	58.6	60.6	48.3
	11:05	56.9	59.0	47.6			
	11:10	57.1	58.3	48.1			
	11:15	61.6	64.9	49.0			
	11:20	55.3	59.2	47.0			
	11:25	59.4	60.9	48.4			
10	11:30	54.8	57.4	48.1	56.0	58.5	47.9
	11:35	53.9	57.4	48.2			
	11:40	56.6	57.0	46.7			
	11:45	57.7	61.1	48.7			
	11:50	53.8	56.9	46.9			
	11:55	57.3	61.1	49.0			
11	12:00	55.0	58.7	48.2	59.0	60.5	47.8
	12:05	59.5	61.7	46.9			
	12:10	56.8	61.4	47.7			
	12:15	55.9	57.9	46.6			
	12:20	61.0	60.1	49.6			
	12:25	61.7	63.0	47.8			
12	12:30	57.1	56.7	47.1	55.0	56.8	45.7
	12:35	53.0	55.6	45.3			
	12:40	54.2	56.8	46.3			
	12:45	56.4	58.1	44.1			
	12:50	53.4	56.6	45.6			
	12:55	54.3	57.0	45.8			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	56.9	59.5	51.0	56.5	58.3	48.0
	13:05	59.1	58.9	49.8			
	13:10	56.1	57.9	47.4			
	13:15	56.5	60.1	47.1			
	13:20	52.1	55.3	45.4			
	13:25	55.7	58.0	47.3			
14	13:30	55.3	59.4	47.7	60.5	63.3	50.4
	13:35	60.9	64.1	50.4			
	13:40	62.4	65.0	51.6			
	13:45	58.8	62.3	50.6			
	13:50	60.2	63.0	50.1			
	13:55	62.3	65.7	51.7			
15	14:00	60.4	63.8	52.9	59.1	61.8	50.5
	14:05	60.9	64.1	51.9			
	14:10	60.5	63.8	51.1			
	14:15	57.3	59.3	49.0			
	14:20	55.5	59.1	47.1			
	14:25	57.1	60.6	51.2			
16	14:30	58.2	58.6	51.4	57.8	59.8	50.2
	14:35	58.8	59.3	50.9			
	14:40	57.4	59.9	50.1			
	14:45	58.3	61.4	50.7			
	14:50	55.7	57.8	48.2			
	14:55	57.6	61.6	49.6			
17	15:00	55.8	59.6	48.4	57.4	58.7	49.0
	15:05	56.7	59.5	48.7			
	15:10	56.6	59.7	49.8			
	15:15	60.8	59.1	49.6			
	15:20	55.6	57.4	49.5			
	15:25	56.7	56.8	48.0			
18	15:30	55.4	57.8	50.7	57.3	59.6	50.0
	15:35	60.1	63.2	52.0			
	15:40	55.8	58.5	49.6			
	15:45	57.9	60.5	49.3			
	15:50	55.9	59.0	49.4			
	15:55	56.3	58.4	49.1			
19	16:00	61.1	62.0	50.2	59.4	60.3	48.6
	16:05	58.5	60.2	50.9			
	16:10	61.6	64.6	48.2			
	16:15	52.8	55.4	47.9			
	16:20	60.5	60.5	47.1			
	16:25	57.0	59.2	47.3			
20	16:30	59.7	62.1	48.6	59.2	61.3	50.0
	16:35	58.8	61.4	50.6			
	16:40	60.9	61.9	50.3			
	16:45	57.5	61.0	50.6			
	16:50	58.0	60.1	50.5			
	16:55	59.3	61.2	49.3			
21	17:00	61.3	62.6	49.1	58.9	60.2	48.3
	17:05	60.2	62.4	46.7			
	17:10	54.2	57.9	46.6			
	17:15	57.6	60.7	47.2			
	17:20	59.7	59.7	48.9			
	17:25	56.4	57.9	51.0			
22	17:30	62.9	62.9	48.7	62.0	63.6	50.3
	17:35	60.1	61.5	48.4			
	17:40	59.8	62.1	50.4			
	17:45	57.9	62.1	49.6			
	17:50	62.0	63.9	53.0			
	17:55	65.2	69.1	51.8			
23	18:00	53.7	56.3	48.7	56.6	58.6	49.4
	18:05	56.4	58.9	47.8			
	18:10	53.5	56.0	47.1			
	18:15	59.0	61.4	49.6			
	18:20	58.4	60.7	50.8			
	18:25	55.9	58.0	52.1			
24	18:30	57.7	60.3	49.7	57.8	60.1	50.4
	18:35	54.6	56.3	48.0			
	18:40	56.1	59.0	49.9			
	18:45	57.5	60.2	51.4			
	18:50	58.8	61.7	51.3			
	18:55	59.9	62.9	51.8			

Mean 57.7
Maximum 62.0
Minimum 55.0

59.7
63.6
56.8

48.8
54.2
45.7



Location: dm2(Day12) Date 17/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	52.5	54.2	49.0	52.5	54.0	49.1
	7:05	51.9	53.7	48.3			
	7:10	51.5	53.1	48.6			
	7:15	52.8	52.8	49.2			
	7:20	52.8	54.8	49.5			
	7:25	53.2	55.3	49.7			
2	7:30	52.2	54.0	49.7	54.7	56.9	50.8
	7:35	54.0	56.6	50.6			
	7:40	54.0	57.5	49.8			
	7:45	53.0	55.5	49.1			
	7:50	56.0	59.2	50.5			
	7:55	56.9	58.5	55.2			
3	8:00	57.1	58.7	55.3	58.7	59.9	56.8
	8:05	57.3	58.9	55.2			
	8:10	57.8	58.2	55.6			
	8:15	59.8	60.6	58.7			
	8:20	60.3	62.2	58.5			
	8:25	59.0	60.5	57.3			
4	8:30	58.2	59.3	56.5	61.4	63.0	57.0
	8:35	58.0	59.9	56.3			
	8:40	59.1	61.2	57.0			
	8:45	59.0	61.2	56.7			
	8:50	63.2	66.5	57.5			
	8:55	65.1	69.6	57.9			
5	9:00	60.6	62.6	58.1	60.9	62.7	58.9
	9:05	61.2	63.2	58.5			
	9:10	60.5	62.1	58.9			
	9:15	61.0	62.7	59.4			
	9:20	61.1	62.7	59.5			
	9:25	61.1	63.1	59.0			
6	9:30	61.2	62.7	59.0	62.3	64.0	59.5
	9:35	61.9	62.9	58.8			
	9:40	62.9	65.2	59.5			
	9:45	61.9	63.8	59.5			
	9:50	62.0	64.0	59.6			
	9:55	63.5	65.6	60.4			
7	10:00	62.3	64.0	59.8	61.2	62.0	57.7
	10:05	62.9	64.6	59.9			
	10:10	63.9	65.3	60.1			
	10:15	57.0	59.0	53.9			
	10:20	58.0	59.2	56.7			
	10:25	58.7	59.9	55.6			
8	10:30	56.7	58.4	54.6	61.3	61.3	54.3
	10:35	56.9	58.6	54.5			
	10:40	56.4	58.3	53.9			
	10:45	56.4	58.6	53.5			
	10:50	62.7	66.9	54.8			
	10:55	66.5	66.7	54.4			
9	11:00	58.9	61.4	54.7	58.1	60.7	54.5
	11:05	58.3	61.0	55.1			
	11:10	58.0	60.1	55.3			
	11:15	58.2	60.7	54.6			
	11:20	58.2	61.6	53.4			
	11:25	57.1	59.1	53.8			
10	11:30	57.5	59.7	53.9	60.2	62.3	55.4
	11:35	59.8	62.5	55.0			
	11:40	61.9	64.2	55.6			
	11:45	59.1	61.9	55.6			
	11:50	58.8	60.9	55.8			
	11:55	62.0	64.7	56.7			
11	12:00	63.0	62.9	56.8	61.4	63.3	57.5
	12:05	60.8	62.9	57.8			
	12:10	60.9	63.1	57.8			
	12:15	63.1	66.8	57.6			
	12:20	60.0	62.2	57.7			
	12:25	59.6	61.8	57.2			
12	12:30	62.8	65.6	57.9	62.8	65.0	58.3
	12:35	60.4	62.8	57.7			
	12:40	60.8	63.3	57.7			
	12:45	62.8	66.1	57.6			
	12:50	60.6	63.1	58.0			
	12:55	66.2	69.3	60.8			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	66.0	69.2	61.5	65.0	67.4	61.4
	13:05	64.1	66.4	61.0			
	13:10	64.2	66.3	61.1			
	13:15	65.7	67.9	62.5			
	13:20	64.4	66.5	61.1			
	13:25	65.3	67.9	60.9			
14	13:30	66.6	69.4	61.9	65.3	67.3	60.7
	13:35	63.8	65.6	60.6			
	13:40	66.2	67.2	61.1			
	13:45	66.2	69.3	60.4			
	13:50	64.3	66.7	60.3			
	13:55	63.3	65.4	60.1			
15	14:00	64.7	68.4	59.8	64.1	66.7	60.2
	14:05	62.9	64.9	60.3			
	14:10	63.9	66.5	60.4			
	14:15	65.8	69.3	60.5			
	14:20	63.2	65.3	60.3			
	14:25	63.4	65.6	60.0			
16	14:30	64.0	66.8	60.5	66.4	66.9	61.4
	14:35	64.2	65.2	60.9			
	14:40	65.1	66.8	61.4			
	14:45	69.0	69.6	61.9			
	14:50	64.3	65.5	61.5			
	14:55	68.7	67.6	61.9			
17	15:00	65.4	68.2	61.8	64.4	66.2	61.2
	15:05	65.2	67.5	62.0			
	15:10	63.4	65.1	61.7			
	15:15	64.3	66.4	61.7			
	15:20	65.2	65.4	61.3			
	15:25	61.7	64.4	58.7			
18	15:30	63.4	66.3	58.5	62.2	64.6	58.2
	15:35	62.3	64.8	58.1			
	15:40	61.0	62.9	58.5			
	15:45	63.0	66.1	58.1			
	15:50	61.7	64.2	58.0			
	15:55	61.4	63.3	57.8			
19	16:00	62.8	65.8	58.0	62.9	65.3	57.9
	16:05	64.5	65.9	57.9			
	16:10	62.4	65.1	57.4			
	16:15	63.7	66.3	58.5			
	16:20	62.0	65.0	58.0			
	16:25	61.3	63.9	57.3			
20	16:30	68.5	73.7	58.9	63.8	65.7	57.6
	16:35	62.8	66.0	56.7			
	16:40	59.9	62.0	57.1			
	16:45	62.4	64.9	57.8			
	16:50	62.3	64.8	57.3			
	16:55	60.4	62.7	57.6			
21	17:00	62.1	63.9	58.0	63.1	65.5	58.5
	17:05	60.5	63.1	57.3			
	17:10	64.2	68.4	58.6			
	17:15	63.1	66.7	58.5			
	17:20	62.0	64.7	58.4			
	17:25	65.3	66.1	59.9			
22	17:30	63.9	66.5	60.4	63.7	65.8	59.0
	17:35	64.4	66.9	60.0			
	17:40	61.0	63.3	58.0			
	17:45	64.4	67.1	58.5			
	17:50	61.3	63.0	58.3			
	17:55	65.6	68.1	58.6			
23	18:00	61.4	63.3	58.8	62.1	64.3	58.4
	18:05	62.8	65.8	58.4			
	18:10	61.5	64.0	57.6			
	18:15	63.6	66.0	59.0			
	18:20	61.2	63.0	58.8			
	18:25	61.3	63.8	57.6			
24	18:30	63.6	66.8	58.9	62.1	64.5	58.0
	18:35	61.1	62.8	58.1			
	18:40	61.3	64.1	57.9			
	18:45	63.0	66.0	58.0			
	18:50	60.3	62.6	57.3			
	18:55	62.3	64.9	57.6			

Mean 61.7
Maximum 66.4
Minimum 52.5

63.5
67.4
54.0

57.6
61.4
49.1



Location: dm2(Day14) Date 22/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	55.7	58.5	51.0	57.8	60.2	51.1
	7:05	59.8	62.8	51.3			
	7:10	54.8	58.3	51.0			
	7:15	56.4	58.1	51.1			
	7:20	60.7	64.8	51.4			
	7:25	55.7	58.6	50.5			
2	7:30	55.3	57.7	51.1	57.0	58.7	51.2
	7:35	54.5	57.2	51.6			
	7:40	60.6	63.6	52.1			
	7:45	54.6	56.6	51.2			
	7:50	53.9	56.8	50.0			
	7:55	58.5	60.4	51.2			
3	8:00	61.0	61.3	50.6	57.7	59.3	50.3
	8:05	58.1	61.6	51.8			
	8:10	54.5	56.3	49.6			
	8:15	58.5	61.2	50.2			
	8:20	55.1	58.1	49.5			
	8:25	54.8	57.4	50.3			
4	8:30	58.7	61.1	51.5	57.0	57.9	50.6
	8:35	58.8	60.5	49.8			
	8:40	54.6	55.5	50.5			
	8:45	58.9	60.4	51.2			
	8:50	53.3	54.9	51.1			
	8:55	53.7	55.0	49.4			
5	9:00	52.8	54.9	49.5	55.4	56.5	51.7
	9:05	52.8	54.2	49.9			
	9:10	54.5	56.1	49.3			
	9:15	53.4	55.7	50.3			
	9:20	57.1	58.8	53.9			
	9:25	58.2	59.4	57.0			
6	9:30	57.1	58.5	55.3	58.7	59.5	53.9
	9:35	57.5	58.5	54.6			
	9:40	55.8	57.6	53.7			
	9:45	56.2	58.3	53.4			
	9:50	61.2	62.2	53.8			
	9:55	60.9	62.1	52.7			
7	10:00	62.1	67.7	53.2	59.5	62.1	55.1
	10:05	58.0	59.7	55.0			
	10:10	58.7	61.4	55.4			
	10:15	58.8	60.7	55.5			
	10:20	59.0	62.0	55.3			
	10:25	58.8	61.1	55.9			
8	10:30	58.4	60.7	54.9	60.3	62.3	55.9
	10:35	60.7	63.3	56.8			
	10:40	61.2	62.0	55.7			
	10:45	61.8	64.1	56.0			
	10:50	59.1	61.9	56.1			
	10:55	59.3	61.5	55.9			
9	11:00	62.5	66.6	56.9	63.2	65.3	57.7
	11:05	59.9	62.6	56.6			
	11:10	59.8	61.6	56.6			
	11:15	63.8	65.8	60.6			
	11:20	66.8	71.2	58.1			
	11:25	61.9	63.7	57.6			
10	11:30	62.7	66.2	57.4	62.6	64.8	58.0
	11:35	62.6	64.5	58.1			
	11:40	61.5	63.7	57.9			
	11:45	63.4	65.8	58.0			
	11:50	61.6	62.9	57.7			
	11:55	63.6	65.4	58.9			
11	12:00	65.9	68.6	59.0	66.7	68.4	61.2
	12:05	64.5	67.2	59.2			
	12:10	63.4	65.9	59.4			
	12:15	64.2	66.6	60.0			
	12:20	66.3	68.4	62.8			
	12:25	70.8	73.4	66.9			
12	12:30	68.2	70.0	64.7	76.0	74.8	63.7
	12:35	70.9	75.7	60.4			
	12:40	73.3	76.1	67.6			
	12:45	69.1	72.3	61.8			
	12:50	66.2	68.4	61.7			
	12:55	82.7	86.0	65.8			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	70.8	75.3	61.0	66.4	67.8	61.2
	13:05	63.6	65.3	61.4			
	13:10	64.4	65.4	61.7			
	13:15	65.5	68.5	62.1			
	13:20	65.5	68.2	61.4			
	13:25	62.2	63.9	59.4			
14	13:30	64.1	67.5	59.6	64.0	66.6	59.8
	13:35	65.2	68.6	59.7			
	13:40	62.1	63.4	59.6			
	13:45	64.3	67.1	59.4			
	13:50	64.8	68.5	60.7			
	13:55	62.7	64.2	59.9			
15	14:00	64.8	64.4	58.5	62.5	63.9	58.2
	14:05	60.9	62.9	58.7			
	14:10	60.2	62.4	57.7			
	14:15	64.2	66.0	58.3			
	14:20	62.1	64.5	58.1			
	14:25	60.6	62.9	57.8			
16	14:30	62.0	64.4	58.4	61.9	63.9	58.4
	14:35	62.6	65.1	58.9			
	14:40	60.4	62.3	58.0			
	14:45	62.6	64.6	58.8			
	14:50	62.2	63.8	58.1			
	14:55	61.2	63.0	58.0			
17	15:00	64.9	68.0	59.3	63.1	65.4	58.5
	15:05	62.6	64.8	58.5			
	15:10	62.6	64.2	58.3			
	15:15	63.0	65.7	59.2			
	15:20	61.0	63.6	57.3			
	15:25	63.4	65.9	58.2			
18	15:30	63.7	66.1	58.7	63.7	65.8	59.0
	15:35	61.9	63.9	58.5			
	15:40	63.0	65.6	59.3			
	15:45	63.3	65.5	58.8			
	15:50	64.2	66.9	60.0			
	15:55	65.1	66.6	58.6			
19	16:00	62.2	64.1	56.4	63.5	65.8	57.2
	16:05	63.5	66.0	57.0			
	16:10	63.2	65.2	58.3			
	16:15	62.9	65.2	56.8			
	16:20	64.7	66.8	57.0			
	16:25	64.2	67.3	57.5			
20	16:30	65.3	67.2	59.0	63.3	65.4	58.0
	16:35	64.0	67.7	58.5			
	16:40	62.7	64.0	57.1			
	16:45	62.3	64.7	57.5			
	16:50	60.7	63.0	57.9			
	16:55	63.2	66.0	58.0			
21	17:00	64.1	67.9	59.0	63.1	65.6	58.9
	17:05	63.6	66.7	58.9			
	17:10	62.0	64.0	58.5			
	17:15	62.5	63.8	58.9			
	17:20	63.7	66.8	59.5			
	17:25	62.0	64.2	58.6			
22	17:30	62.5	64.7	58.6	62.7	64.4	58.1
	17:35	64.8	65.6	58.3			
	17:40	62.6	63.5	58.6			
	17:45	62.8	65.7	57.6			
	17:50	60.1	62.4	57.1			
	17:55	61.9	64.6	58.5			
23	18:00	63.4	65.8	59.1	62.6	64.3	58.0
	18:05	64.4	65.7	58.3			
	18:10	60.8	62.4	57.7			
	18:15	63.3	66.7	58.0			
	18:20	59.9	62.3	57.5			
	18:25	62.0	62.9	57.1			
24	18:30	61.5	63.4	57.9	62.3	64.7	57.8
	18:35	64.0	68.4	57.6			
	18:40	61.2	63.5	57.9			
	18:45	62.6	65.5	58.4			
	18:50	61.3	63.5	57.4			
	18:55	62.2	63.6	57.6			

Mean 62.1 63.9 56.8
Maximum 76.0 74.8 63.7
Minimum 55.4 56.5 50.3



Appendix C6

***Baseline Noise Monitoring Data_DM2_Evening Time (1900-2300)
and Holiday (0700-1900)***



Location: dm2(Day1) Date 6/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	65.5	69.5	59.3	63.9	66.2	58.8
	19:05	65.5	68.5	59.1			
	19:10	61.0	63.3	58.8			
	19:15	63.6	65.5	58.7			
	19:20	63.3	65.4	58.6			
	19:25	62.9	65.2	58.4			
2	19:30	63.4	66.4	58.8	63.1	65.3	59.1
	19:35	60.7	62.7	58.0			
	19:40	61.6	63.5	58.0			
	19:45	63.3	65.8	59.1			
	19:50	65.1	67.7	61.8			
	19:55	63.3	65.5	58.7			
3	20:00	65.1	68.9	59.2	63.7	66.5	58.7
	20:05	64.3	67.6	58.5			
	20:10	62.1	63.8	58.1			
	20:15	64.4	68.5	59.1			
	20:20	62.4	65.3	58.5			
	20:25	62.7	64.7	58.6			
4	20:30	64.2	68.1	58.0	63.2	65.3	58.6
	20:35	64.5	65.5	58.7			
	20:40	62.4	64.6	58.6			
	20:45	62.4	64.4	58.9			
	20:50	61.5	64.3	58.6			
	20:55	63.4	64.8	59.0			
5	21:00	63.0	65.5	58.1	62.9	64.8	59.3
	21:05	64.2	66.0	60.1			
	21:10	63.1	64.6	61.5			
	21:15	63.4	66.0	59.2			
	21:20	61.5	63.4	58.4			
	21:25	61.3	63.1	58.5			
6	21:30	63.4	65.9	58.6	62.0	64.0	58.4
	21:35	60.6	62.5	58.4			
	21:40	60.8	62.8	58.4			
	21:45	63.4	66.5	59.0			
	21:50	60.5	62.4	58.0			
	21:55	61.9	63.7	58.0			
7	22:00	62.3	63.8	58.5	62.2	64.0	58.0
	22:05	63.3	64.4	58.8			
	22:10	62.4	64.4	57.7			
	22:15	62.4	65.0	57.0			
	22:20	61.1	63.1	58.5			
	22:25	61.1	63.5	57.2			
8	22:30	62.1	64.4	57.5	61.3	63.5	57.5
	22:35	61.1	62.6	57.6			
	22:40	60.2	61.9	57.4			
	22:45	62.8	67.2	57.3			
	22:50	60.3	62.4	57.4			
	22:55	60.4	62.3	57.5			
		Mean			62.8	64.9	58.5
		Maximum			63.7	66.5	59.3
		Minimum			61.3	63.5	57.5



Location: dm2(Day2) Date 7/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	64.3	67.4	61.4	64.5	66.3	61.6
	19:05	64.8	66.3	61.5			
	19:10	63.0	64.1	61.2			
	19:15	65.9	69.2	62.3			
	19:20	63.2	64.8	61.6			
	19:25	64.8	65.9	61.7			
2	19:30	65.3	67.9	61.6	64.6	66.9	61.3
	19:35	63.9	65.9	61.5			
	19:40	63.2	65.4	61.1			
	19:45	65.1	68.2	61.4			
	19:50	64.7	66.9	61.6			
	19:55	65.0	66.9	60.8			
3	20:00	64.3	66.4	60.6	63.7	65.9	59.8
	20:05	65.4	67.4	60.6			
	20:10	63.4	65.6	60.2			
	20:15	63.7	67.0	59.5			
	20:20	62.3	65.0	59.0			
	20:25	62.0	64.1	59.0			
4	20:30	64.4	68.6	58.4	63.2	65.2	58.4
	20:35	65.3	64.3	58.8			
	20:40	62.5	64.9	58.6			
	20:45	62.4	66.2	58.3			
	20:50	61.6	64.1	58.4			
	20:55	61.5	63.2	58.1			
5	21:00	63.5	67.3	59.5	63.1	65.6	58.8
	21:05	60.9	62.8	58.7			
	21:10	64.7	67.3	58.5			
	21:15	63.8	67.6	59.5			
	21:20	63.1	65.4	58.4			
	21:25	61.0	62.9	58.2			
6	21:30	63.3	65.4	58.8	62.8	64.9	58.4
	21:35	63.3	65.4	59.4			
	21:40	61.1	63.3	57.9			
	21:45	64.2	67.1	58.4			
	21:50	62.5	64.5	57.4			
	21:55	61.3	63.5	58.3			
7	22:00	63.2	65.7	57.8	61.7	63.9	57.3
	22:05	61.2	63.5	57.5			
	22:10	60.6	62.9	57.3			
	22:15	62.3	65.0	57.3			
	22:20	60.1	62.9	57.1			
	22:25	62.2	63.5	57.0			
8	22:30	61.6	64.0	56.9	61.0	63.2	57.3
	22:35	61.2	63.1	57.0			
	22:40	60.3	62.6	57.3			
	22:45	62.8	66.4	58.1			
	22:50	59.3	61.2	57.0			
	22:55	59.7	62.1	57.5			
		Mean	63.1	65.2	59.1		
		Maximum	64.6	66.9	61.3		
		Minimum	61.0	63.2	57.3		



Location: dm2(Day3) Date 8/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	65.9	68.5	59.6	63.0	64.8	59.3
	19:05	62.3	64.6	59.3			
	19:10	61.1	62.5	59.4			
	19:15	63.6	66.8	59.4			
	19:20	61.2	63.0	59.1			
	19:25	61.5	63.3	59.2			
2	19:30	63.1	65.7	59.1	62.0	64.2	58.3
	19:35	60.4	62.5	57.7			
	19:40	62.7	65.0	58.5			
	19:45	63.4	66.7	58.4			
	19:50	60.9	63.2	58.1			
	19:55	60.1	61.8	57.7			
3	20:00	63.2	67.0	58.6	62.2	64.5	58.3
	20:05	61.4	63.1	58.0			
	20:10	61.3	62.7	58.7			
	20:15	63.4	66.3	58.4			
	20:20	60.3	62.2	58.3			
	20:25	62.6	65.8	57.7			
4	20:30	63.2	66.2	57.8	62.5	64.6	58.0
	20:35	62.9	65.7	57.9			
	20:40	61.1	63.2	57.6			
	20:45	63.9	66.3	58.5			
	20:50	62.2	62.9	58.1			
	20:55	61.0	63.3	58.1			
5	21:00	62.6	65.1	57.7	61.3	63.4	57.8
	21:05	60.5	63.3	57.6			
	21:10	60.8	63.2	57.8			
	21:15	62.7	64.3	58.3			
	21:20	60.4	62.6	57.8			
	21:25	59.8	61.9	57.4			
6	21:30	66.1	69.9	58.3	62.0	63.9	57.3
	21:35	60.4	62.8	57.1			
	21:40	60.2	62.7	57.3			
	21:45	60.4	62.8	57.1			
	21:50	60.6	62.8	57.2			
	21:55	60.0	62.3	56.9			
7	22:00	59.4	61.4	56.6	59.8	61.9	57.2
	22:05	59.3	61.4	57.0			
	22:10	60.0	62.1	57.5			
	22:15	60.8	62.7	57.6			
	22:20	60.0	62.2	57.2			
	22:25	59.5	61.6	57.0			
8	22:30	59.5	61.9	56.9	59.9	62.1	56.7
	22:35	60.8	62.6	57.0			
	22:40	58.8	60.9	56.3			
	22:45	59.6	61.7	56.9			
	22:50	59.2	61.8	56.3			
	22:55	61.1	63.7	56.5			
					Mean	61.6	57.8
					Maximum	62.5	58.3
					Minimum	59.8	56.7

Location: dm2(Day4) Date 9/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.7	68.1	56.4	60.9	63.2	56.2
	19:05	60.0	62.4	56.1			
	19:10	60.2	61.7	56.2			
	19:15	61.8	64.8	56.5			
	19:20	59.1	61.8	55.9			
	19:25	58.0	60.1	56.1			
2	19:30	61.8	64.2	56.4	60.6	63.0	56.4
	19:35	59.4	62.0	56.0			
	19:40	59.2	61.7	56.4			
	19:45	63.0	66.4	56.5			
	19:50	59.0	61.4	56.5			
	19:55	59.6	62.2	56.5			
3	20:00	62.1	64.9	56.5	60.8	63.1	56.4
	20:05	59.6	62.1	56.2			
	20:10	59.1	61.6	56.0			
	20:15	63.8	68.7	56.8			
	20:20	59.2	61.5	56.7			
	20:25	58.0	60.0	55.9			
4	20:30	62.3	64.3	56.2	60.5	62.5	56.2
	20:35	59.2	61.5	56.2			
	20:40	58.2	60.2	56.0			
	20:45	62.5	65.2	56.8			
	20:50	59.8	62.5	56.0			
	20:55	59.1	61.1	56.2			
5	21:00	62.0	65.2	56.5	61.8	63.9	58.0
	21:05	61.0	62.5	59.0			
	21:10	62.6	63.4	59.9			
	21:15	62.9	66.0	58.1			
	21:20	60.8	63.1	56.9			
	21:25	60.8	63.0	57.8			
6	21:30	62.5	64.8	58.2	61.8	63.3	58.2
	21:35	61.1	63.6	57.8			
	21:40	60.9	62.8	58.4			
	21:45	60.5	62.1	58.5			
	21:50	62.7	63.0	58.3			
	21:55	62.3	63.3	57.8			
7	22:00	60.9	62.8	57.7	61.8	64.2	57.0
	22:05	62.0	63.7	57.6			
	22:10	64.3	68.3	57.9			
	22:15	61.1	64.4	56.4			
	22:20	60.4	63.0	56.2			
	22:25	60.8	62.8	56.3			
8	22:30	62.2	64.8	56.6	60.0	62.3	55.9
	22:35	59.6	61.7	56.6			
	22:40	58.7	61.6	55.6			
	22:45	58.5	60.9	55.3			
	22:50	59.3	62.4	55.5			
	22:55	60.2	62.3	55.9			
					Mean	61.0	56.8
					Maximum	61.8	58.2
					Minimum	60.0	55.9



Location: dm2(Day5) Date 10/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	64.1	67.9	58.9	63.4	65.7	59.1
	19:05	63.0	65.0	59.5			
	19:10	61.5	62.9	59.7			
	19:15	64.1	67.3	58.9			
	19:20	62.6	64.9	58.8			
	19:25	64.2	66.0	58.8			
2	19:30	63.5	65.0	60.5	64.3	65.9	61.7
	19:35	63.9	65.2	62.7			
	19:40	65.2	66.8	62.5			
	19:45	65.4	68.0	62.6			
	19:50	64.3	65.5	62.3			
	19:55	62.5	64.7	59.5			
3	20:00	64.3	67.9	59.4	63.3	66.2	58.6
	20:05	62.0	64.7	58.7			
	20:10	63.2	65.8	58.4			
	20:15	63.3	66.0	58.5			
	20:20	64.2	67.7	58.0			
	20:25	62.7	65.1	58.7			
4	20:30	66.4	70.9	58.4	63.5	65.9	58.3
	20:35	63.8	65.9	58.6			
	20:40	61.1	63.2	57.7			
	20:45	62.8	64.7	58.4			
	20:50	63.2	66.7	58.3			
	20:55	61.9	64.1	58.4			
5	21:00	63.0	65.3	58.2	62.6	64.5	58.9
	21:05	61.0	63.1	58.3			
	21:10	62.8	64.8	59.1			
	21:15	62.8	65.3	58.8			
	21:20	62.1	63.4	59.0			
	21:25	63.3	64.8	59.8			
6	21:30	63.7	65.7	60.0	62.8	64.4	58.5
	21:35	61.9	63.7	59.3			
	21:40	64.6	66.4	58.7			
	21:45	62.2	63.7	57.5			
	21:50	62.2	64.0	57.4			
	21:55	60.8	62.7	58.0			
7	22:00	65.3	68.4	59.0	62.8	64.8	57.8
	22:05	60.8	63.1	57.5			
	22:10	62.9	63.9	57.8			
	22:15	62.8	65.5	57.6			
	22:20	61.5	63.4	57.7			
	22:25	62.0	64.4	57.2			
8	22:30	62.8	64.7	58.1	62.0	63.9	57.5
	22:35	63.4	65.0	57.7			
	22:40	62.1	63.4	57.2			
	22:45	62.6	65.7	57.6			
	22:50	60.3	62.5	57.3			
	22:55	59.6	62.0	56.8			
		Mean			63.1	65.1	58.8
		Maximum			64.3	66.2	61.7
		Minimum			62.0	63.9	57.5



Location: dm2(Day6) Date 11/7/2021

Time Period: From 07:00hr to 19:00hr on Holiday

Peroid	Time	Leq (5min)	L10 (5min)	L90 (5min)	Leq (30min)	L10 (Average)	L90 (Average)
1	7:00	56.6	60.0	52.9	59.2	61.6	52.8
	7:05	59.3	62.4	52.6			
	7:10	56.7	58.9	52.1			
	7:15	57.2	60.3	52.7			
	7:20	62.0	65.5	53.4			
	7:25	60.6	62.2	53.0			
2	7:30	55.6	58.6	52.3	58.0	60.1	52.6
	7:35	55.4	57.6	52.0			
	7:40	60.1	63.7	52.8			
	7:45	57.1	59.7	52.9			
	7:50	57.2	58.6	52.6			
	7:55	60.2	62.2	53.2			
3	8:00	58.0	60.5	52.6	58.3	59.9	52.4
	8:05	56.9	60.1	52.4			
	8:10	60.4	58.2	52.5			
	8:15	60.0	63.0	52.6			
	8:20	55.5	58.0	52.1			
	8:25	56.7	59.7	52.1			
4	8:30	63.3	65.6	52.9	59.6	60.1	52.9
	8:35	57.2	60.1	53.2			
	8:40	60.4	59.6	52.7			
	8:45	59.9	60.7	52.9			
	8:50	55.5	57.3	52.9			
	8:55	56.3	57.0	52.8			
5	9:00	54.3	55.9	52.8	61.5	61.8	59.0
	9:05	59.2	61.2	53.8			
	9:10	62.8	63.4	61.9			
	9:15	63.3	63.9	62.8			
	9:20	62.7	63.8	61.6			
	9:25	61.9	62.8	61.1			
6	9:30	65.7	69.8	61.3	63.2	64.7	61.1
	9:35	63.5	64.6	62.7			
	9:40	63.6	65.1	61.2			
	9:45	61.6	62.7	60.4			
	9:50	61.7	63.1	60.3			
	9:55	61.6	62.9	60.5			
7	10:00	62.0	63.2	60.7	63.3	64.5	61.4
	10:05	62.3	63.8	61.1			
	10:10	62.1	63.1	61.2			
	10:15	62.8	64.3	61.3			
	10:20	64.3	65.6	61.9			
	10:25	65.3	66.9	62.2			
8	10:30	64.7	65.4	62.8	64.8	65.5	62.6
	10:35	66.4	65.8	62.9			
	10:40	64.3	65.3	62.6			
	10:45	64.4	66.4	62.7			
	10:50	63.8	65.0	62.5			
	10:55	64.8	65.2	62.3			
9	11:00	66.7	70.1	63.3	65.7	66.7	62.9
	11:05	63.8	65.3	62.3			
	11:10	64.0	65.5	62.6			
	11:15	65.4	66.7	62.8			
	11:20	67.5	65.9	62.9			
	11:25	65.3	66.5	63.2			
10	11:30	66.5	68.9	64.3	66.6	68.1	62.8
	11:35	66.2	67.4	64.2			
	11:40	65.7	67.2	63.8			
	11:45	69.5	72.4	65.0			
	11:50	65.7	66.6	60.5			
	11:55	64.1	66.3	58.8			
11	12:00	67.5	69.6	62.0	64.8	66.4	60.8
	12:05	63.9	65.5	60.2			
	12:10	64.1	65.7	60.9			
	12:15	65.2	68.1	61.2			
	12:20	63.0	64.9	60.0			
	12:25	63.0	64.6	60.3			
12	12:30	64.6	67.0	60.2	63.7	65.9	59.0
	12:35	62.4	64.6	58.8			
	12:40	64.9	66.2	59.5			
	12:45	64.6	68.4	58.6			
	12:50	63.0	64.8	59.2			
	12:55	61.9	64.5	57.6			

Peroid	Time	Leq (5min)	L10 (5min)	L90 (5min)	Leq (30min)	L10 (Average)	L90 (Average)
13	13:00	63.6	66.6	58.6	63.9	66.7	59.2
	13:05	62.6	65.4	57.9			
	13:10	64.8	67.0	59.5			
	13:15	64.6	68.5	59.4			
	13:20	63.3	65.7	59.6			
	13:25	64.2	67.2	59.9			
14	13:30	67.0	70.6	59.7	68.3	69.6	60.8
	13:35	66.5	68.9	62.8			
	13:40	67.6	70.5	60.8			
	13:45	73.2	77.1	63.1			
	13:50	64.8	66.3	59.6			
	13:55	61.9	64.1	59.0			
15	14:00	64.5	68.2	59.6	63.8	66.1	60.0
	14:05	62.9	65.0	59.7			
	14:10	61.9	63.4	59.5			
	14:15	65.2	68.6	60.1			
	14:20	64.2	66.4	60.4			
	14:25	63.2	64.9	60.5			
16	14:30	64.3	66.8	60.8	64.4	66.5	61.1
	14:35	62.0	63.8	59.7			
	14:40	63.7	66.6	60.7			
	14:45	65.0	67.7	60.9			
	14:50	64.5	66.0	61.5			
	14:55	66.0	67.9	62.8			
17	15:00	65.4	67.7	62.9	64.5	66.4	61.9
	15:05	65.4	67.2	63.1			
	15:10	65.3	67.8	63.0			
	15:15	65.4	67.4	62.8			
	15:20	62.2	63.9	60.3			
	15:25	62.0	64.3	59.4			
18	15:30	64.1	66.9	59.8	63.8	65.7	59.9
	15:35	62.6	63.8	58.4			
	15:40	63.4	65.0	60.6			
	15:45	64.9	66.9	60.0			
	15:50	63.2	65.1	59.8			
	15:55	64.4	66.4	60.5			
19	16:00	65.6	67.9	60.8	64.7	66.9	60.4
	16:05	64.2	66.2	60.1			
	16:10	64.3	66.2	60.2			
	16:15	65.8	68.6	60.5			
	16:20	63.9	66.1	61.0			
	16:25	63.8	66.2	59.7			
20	16:30	64.6	67.8	59.9	63.6	66.0	59.8
	16:35	65.0	68.2	59.0			
	16:40	62.2	63.9	59.6			
	16:45	63.5	66.4	59.9			
	16:50	63.3	65.4	60.0			
	16:55	62.3	64.1	60.4			
21	17:00	65.6	69.6	58.8	63.4	65.9	58.8
	17:05	62.3	63.6	58.6			
	17:10	61.4	63.7	58.6			
	17:15	62.8	65.5	59.0			
	17:20	62.8	64.9	58.7			
	17:25	64.3	67.8	59.2			
22	17:30	65.9	70.1	59.4	64.4	66.8	60.4
	17:35	63.7	65.9	60.6			
	17:40	63.2	64.8	60.1			
	17:45	63.3	65.2	60.7			
	17:50	65.8	68.9	60.5			
	17:55	63.7	65.9	60.9			
23	18:00	63.5	65.4	60.8	63.9	65.9	61.1
	18:05	63.2	64.9	60.7			
	18:10	64.2	66.0	61.5			
	18:15	64.4	66.9	60.6			
	18:20	64.3	66.6	61.8			
	18:25	63.7	65.6	61.0			
24	18:30	65.1	67.7	61.7	63.9	66.2	59.7
	18:35	61.2	63.0	59.1			
	18:40	63.4	65.3	59.6			
	18:45	65.4	69.3	59.4			
	18:50	64.3	68.1	59.7			
	18:55	62.2	63.8	58.9			

Mean 63.4
Maximum 68.3
Minimum 58.0

65.2
69.6
59.9

59.3
62.9
52.4



Location: dm2(Day6) Date 11/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.3	66.2	59.1	63.5	66.2	59.0
	19:05	63.0	64.8	59.1			
	19:10	62.8	65.7	58.4			
	19:15	64.0	67.7	59.5			
	19:20	63.5	66.4	59.5			
	19:25	64.4	66.2	58.4			
2	19:30	63.7	67.5	59.0	63.2	66.1	58.8
	19:35	62.8	65.0	59.9			
	19:40	63.6	67.6	58.7			
	19:45	62.8	65.5	58.6			
	19:50	61.3	63.9	58.2			
	19:55	64.2	67.2	58.4			
3	20:00	64.4	68.0	58.5	63.2	65.9	58.2
	20:05	62.4	64.8	58.4			
	20:10	64.3	67.5	57.9			
	20:15	62.7	66.3	57.6			
	20:20	61.6	63.8	58.2			
	20:25	63.3	65.0	58.6			
4	20:30	63.3	65.7	60.0	63.8	66.0	59.7
	20:35	63.2	66.4	59.6			
	20:40	63.9	65.1	59.5			
	20:45	64.4	67.8	60.1			
	20:50	62.2	63.3	59.3			
	20:55	65.1	67.7	59.4			
5	21:00	63.7	67.0	59.4	62.5	64.6	59.1
	21:05	61.2	63.0	58.3			
	21:10	62.9	64.6	59.9			
	21:15	63.6	67.2	59.7			
	21:20	61.3	62.8	59.0			
	21:25	61.9	63.2	58.4			
6	21:30	64.0	66.9	58.7	62.7	64.1	58.2
	21:35	62.9	64.8	57.9			
	21:40	61.2	63.2	58.0			
	21:45	62.9	63.9	58.4			
	21:50	62.8	62.9	58.0			
	21:55	61.8	62.8	58.3			
7	22:00	63.4	67.4	57.4	63.4	65.4	58.2
	22:05	62.4	62.6	58.0			
	22:10	67.2	71.0	61.4			
	22:15	61.9	64.5	56.9			
	22:20	61.5	63.7	58.1			
	22:25	60.8	63.0	57.5			
8	22:30	62.4	63.9	58.3	62.3	63.9	57.4
	22:35	63.4	65.2	58.1			
	22:40	62.9	62.4	57.7			
	22:45	62.8	66.0	57.1			
	22:50	59.2	61.2	56.2			
	22:55	62.2	64.8	57.1			
		Mean			63.1	65.3	58.6
		Maximum			63.8	66.1	59.7
		Minimum			62.3	63.9	57.4





Location: dm2(Day7) Date 12/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	62.3	64.1	59.2	63.8	66.0	59.8
	19:05	64.6	67.1	60.0			
	19:10	65.1	68.6	60.4			
	19:15	63.8	67.1	60.0			
	19:20	61.0	62.7	59.1			
	19:25	64.6	66.3	60.0			
2	19:30	63.4	65.9	60.4	65.1	67.3	62.3
	19:35	64.1	66.2	61.3			
	19:40	65.6	68.4	61.9			
	19:45	66.2	69.4	63.1			
	19:50	65.0	66.2	63.5			
	19:55	65.7	67.9	63.5			
3	20:00	65.9	68.1	63.4	65.5	67.3	63.3
	20:05	65.6	67.2	63.8			
	20:10	66.1	68.1	63.4			
	20:15	65.7	68.6	63.3			
	20:20	64.0	65.7	62.6			
	20:25	65.1	65.8	63.2			
4	20:30	65.2	68.1	62.2	62.9	65.0	59.4
	20:35	63.0	64.8	60.6			
	20:40	62.0	63.7	60.0			
	20:45	63.6	66.6	59.1			
	20:50	60.4	63.0	56.5			
	20:55	61.2	63.5	57.9			
5	21:00	63.2	66.3	57.4	62.3	64.5	57.7
	21:05	62.1	64.0	56.5			
	21:10	62.3	63.7	57.3			
	21:15	63.1	66.5	58.7			
	21:20	60.9	62.7	58.4			
	21:25	61.8	63.7	57.6			
6	21:30	61.6	63.3	58.1	62.1	64.4	57.9
	21:35	61.0	63.4	57.8			
	21:40	62.2	63.9	57.9			
	21:45	62.7	66.8	57.9			
	21:50	61.9	64.0	57.6			
	21:55	63.0	65.0	58.2			
7	22:00	61.2	63.6	56.8	61.1	63.2	57.2
	22:05	60.1	62.3	57.6			
	22:10	60.6	62.7	57.1			
	22:15	62.6	65.5	57.1			
	22:20	60.4	62.5	57.1			
	22:25	61.1	62.5	57.3			
8	22:30	62.3	64.8	57.1	61.0	63.0	56.4
	22:35	59.0	61.0	56.3			
	22:40	60.5	62.8	56.2			
	22:45	61.5	63.1	56.1			
	22:50	60.5	62.5	56.5			
	22:55	61.4	63.5	56.2			
		Mean		63.0	65.1	59.2	
		Maximum		65.5	67.3	63.3	
		Minimum		61.0	63.0	56.4	



Location: dm2(Day8) Date 13/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	65.9	68.9	61.0	63.7	65.8	59.6
	19:05	62.8	64.9	59.6			
	19:10	62.5	64.7	59.1			
	19:15	65.6	68.5	60.9			
	19:20	61.8	64.4	58.8			
	19:25	61.2	63.6	58.3			
2	19:30	64.4	67.4	58.2	63.8	65.5	58.4
	19:35	63.6	64.1	57.6			
	19:40	66.1	66.3	58.0			
	19:45	63.3	66.8	58.2			
	19:50	62.7	65.0	59.2			
	19:55	61.5	63.2	59.0			
3	20:00	63.8	66.1	59.6	63.6	65.9	59.0
	20:05	64.0	66.7	59.1			
	20:10	61.8	64.4	58.4			
	20:15	64.6	68.2	59.4			
	20:20	62.4	63.9	58.7			
	20:25	64.3	66.1	58.7			
4	20:30	64.4	67.9	59.9	62.8	65.3	59.0
	20:35	61.3	63.3	58.8			
	20:40	62.9	65.9	58.8			
	20:45	63.6	66.3	59.0			
	20:50	62.0	64.2	58.7			
	20:55	61.6	64.1	58.6			
5	21:00	63.6	65.8	58.8	62.9	64.9	58.8
	21:05	61.2	63.0	58.3			
	21:10	64.2	66.8	59.3			
	21:15	63.5	66.4	59.1			
	21:20	61.3	63.5	58.4			
	21:25	62.7	64.0	58.6			
6	21:30	62.4	63.4	59.0	61.8	63.6	58.2
	21:35	62.6	65.3	58.2			
	21:40	61.1	63.5	57.7			
	21:45	61.5	63.1	58.2			
	21:50	62.7	64.1	58.4			
	21:55	60.3	62.4	57.9			
7	22:00	64.8	68.0	58.8	62.8	65.0	58.5
	22:05	61.4	63.5	58.6			
	22:10	61.8	63.8	58.7			
	22:15	63.9	67.5	59.0			
	22:20	61.1	62.9	57.7			
	22:25	62.3	64.1	58.1			
8	22:30	62.4	64.4	58.1	61.8	63.7	57.6
	22:35	60.7	63.2	57.6			
	22:40	61.0	63.5	58.1			
	22:45	64.7	67.6	57.4			
	22:50	60.6	61.8	57.1			
	22:55	59.2	61.5	57.0			
		Mean		62.9	65.0	58.6	
		Maximum		63.8	65.9	59.0	
		Minimum		61.8	63.6	57.6	



Location: dm2(Day9) Date 14/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	65.4	68.9	46.9	64.6	68.2	46.2
	19:05	64.9	68.2	44.9			
	19:10	63.2	66.9	46.9			
	19:15	66.3	70.6	46.8			
	19:20	62.2	65.7	42.6			
	19:25	64.4	69.1	49.0			
2	19:30	64.6	68.6	46.3	65.5	69.2	48.3
	19:35	61.7	65.2	46.6			
	19:40	65.5	69.8	46.0			
	19:45	66.2	70.5	50.5			
	19:50	67.8	72.2	52.3			
	19:55	65.2	68.8	48.0			
3	20:00	66.5	69.6	45.9	65.9	69.7	47.4
	20:05	64.3	68.5	45.5			
	20:10	67.1	69.4	47.6			
	20:15	65.4	70.3	47.4			
	20:20	66.1	70.8	51.5			
	20:25	65.3	69.7	46.4			
4	20:30	65.8	70.4	50.1	64.7	68.2	51.2
	20:35	65.6	68.9	57.4			
	20:40	64.7	69.2	56.0			
	20:45	63.6	67.6	50.5			
	20:50	65.0	66.1	46.9			
	20:55	62.6	67.2	46.2			
5	21:00	68.3	71.6	47.7	61.4	59.9	47.4
	21:05	53.5	57.5	45.5			
	21:10	54.2	56.3	46.3			
	21:15	54.8	57.1	46.4			
	21:20	54.6	57.2	47.6			
	21:25	56.6	59.7	51.1			
6	21:30	56.7	58.4	49.1	60.2	59.4	47.5
	21:35	56.9	60.5	48.6			
	21:40	56.1	58.1	46.3			
	21:45	55.5	58.6	45.4			
	21:50	59.6	58.5	46.4			
	21:55	65.6	62.4	49.3			
7	22:00	57.0	59.5	50.7	57.2	59.2	48.8
	22:05	54.1	56.5	47.9			
	22:10	55.8	59.0	47.4			
	22:15	59.1	59.7	48.8			
	22:20	57.0	59.9	48.6			
	22:25	58.6	60.4	49.1			
8	22:30	53.1	56.9	46.7	58.4	60.9	48.3
	22:35	59.7	62.1	48.3			
	22:40	58.0	61.5	50.4			
	22:45	57.7	61.2	47.4			
	22:50	59.9	62.1	48.1			
	22:55	59.0	61.3	48.8			
		Mean		62.2	64.3	48.1	
		Maximum		65.9	69.7	51.2	
		Minimum		57.2	59.2	47.4	



Location: dm2(Day10) Date 15/7/2021

Time Period: From 19:00hr to 23:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	53.3	56.4	45.9	57.4	60.1	48.3
	19:05	57.8	62.2	47.1			
	19:10	56.8	60.4	46.1			
	19:15	59.2	62.1	47.4			
	19:20	55.1	58.1	49.1			
	19:25	59.1	61.1	54.4			
2	19:30	58.8	62.3	49.2	56.5	59.0	48.0
	19:35	54.6	58.3	47.0			
	19:40	56.6	58.7	49.8			
	19:45	57.0	60.5	50.5			
	19:50	52.3	54.0	45.2			
	19:55	56.9	60.0	46.1			
3	20:00	57.7	61.3	47.0	57.4	60.1	47.2
	20:05	54.9	57.6	47.6			
	20:10	54.8	58.4	47.4			
	20:15	58.5	60.9	46.6			
	20:20	56.5	59.8	46.8			
	20:25	59.7	62.7	47.8			
4	20:30	55.1	58.5	47.6	56.1	58.4	47.7
	20:35	57.7	61.8	47.9			
	20:40	53.0	55.0	46.7			
	20:45	54.4	57.3	47.1			
	20:50	57.2	59.1	48.6			
	20:55	57.1	58.8	48.0			
5	21:00	56.4	58.1	48.9	56.0	59.1	48.9
	21:05	54.5	58.3	48.3			
	21:10	54.9	58.8	48.0			
	21:15	56.6	60.1	48.4			
	21:20	56.5	59.9	48.9			
	21:25	56.5	59.1	50.9			
6	21:30	59.0	60.2	53.7	58.1	60.5	51.0
	21:35	57.5	61.0	52.4			
	21:40	55.9	58.7	51.3			
	21:45	60.2	61.8	49.9			
	21:50	58.5	61.9	49.1			
	21:55	56.1	59.1	49.3			
7	22:00	55.6	58.9	50.0	58.5	59.8	49.2
	22:05	62.4	61.6	50.4			
	22:10	58.9	61.6	48.3			
	22:15	56.2	58.3	48.2			
	22:20	54.4	56.8	48.3			
	22:25	58.1	61.6	49.9			
8	22:30	57.3	60.7	49.9	57.1	59.9	49.7
	22:35	55.5	58.3	50.1			
	22:40	57.0	61.0	50.2			
	22:45	56.0	58.6	49.4			
	22:50	59.1	60.6	48.4			
	22:55	57.0	60.4	50.1			
		Mean		57.1	59.6	48.7	
		Maximum		58.5	60.5	51.0	
		Minimum		56.0	58.4	47.2	



Location: dm2(Day11) Date 16/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	55.7	57.4	46.2	60.8	60.2	46.8
	19:05	53.6	56.5	46.8			
	19:10	63.0	62.1	46.6			
	19:15	63.0	60.0	47.4			
	19:20	59.1	61.3	46.5			
	19:25	62.4	63.7	47.4			
2	19:30	54.7	57.2	47.3	60.6	62.0	48.0
	19:35	60.6	63.7	47.4			
	19:40	63.9	65.9	45.7			
	19:45	61.0	63.6	50.8			
	19:50	60.8	61.3	50.4			
	19:55	57.7	60.0	46.2			
3	20:00	61.7	65.7	48.5	64.6	66.2	49.5
	20:05	63.9	67.3	49.2			
	20:10	65.2	66.6	51.6			
	20:15	66.9	64.6	48.3			
	20:20	63.0	65.9	51.1			
	20:25	65.0	66.8	48.0			
4	20:30	61.2	62.6	49.5	60.5	62.5	49.1
	20:35	59.8	63.8	48.1			
	20:40	60.4	62.6	49.5			
	20:45	60.7	63.0	50.1			
	20:50	56.3	59.2	48.4			
	20:55	62.4	64.0	49.0			
5	21:00	60.5	63.9	49.8	60.6	62.1	48.8
	21:05	57.1	59.8	49.0			
	21:10	60.1	63.3	48.2			
	21:15	57.0	60.0	48.7			
	21:20	56.9	60.2	49.3			
	21:25	65.0	65.4	47.8			
6	21:30	58.0	62.3	47.1	59.2	62.5	48.7
	21:35	59.7	63.4	50.5			
	21:40	59.7	62.6	50.3			
	21:45	60.5	63.5	48.0			
	21:50	59.4	62.5	48.1			
	21:55	56.7	60.7	48.3			
7	22:00	57.7	60.8	46.8	60.0	61.7	47.2
	22:05	56.5	59.5	47.0			
	22:10	57.6	61.1	47.8			
	22:15	61.0	62.8	50.0			
	22:20	63.4	63.7	46.8			
	22:25	59.5	62.1	44.7			
8	22:30	58.3	61.8	45.7	58.8	60.8	45.5
	22:35	61.5	64.4	47.0			
	22:40	54.3	58.5	42.9			
	22:45	59.9	61.9	44.6			
	22:50	59.4	61.9	46.7			
	22:55	55.0	56.4	45.9			
		Mean			60.6	62.2	47.9
		Maximum			64.6	66.2	49.5
		Minimum			58.8	60.2	45.5



Location: dm2(Day12) Date 17/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	62.9	66.2	58.4	62.7	65.6	58.3
	19:05	61.7	64.1	58.0			
	19:10	62.4	64.8	58.5			
	19:15	63.8	67.8	58.3			
	19:20	62.0	64.6	58.4			
	19:25	62.9	65.9	58.4			
2	19:30	64.8	68.5	58.7	63.4	66.3	58.5
	19:35	61.3	63.2	57.9			
	19:40	61.3	63.6	58.0			
	19:45	64.6	69.1	58.7			
	19:50	64.4	67.8	58.9			
	19:55	62.7	65.3	58.5			
3	20:00	63.3	67.7	57.8	62.7	65.3	58.8
	20:05	61.2	63.0	58.4			
	20:10	61.5	63.1	57.9			
	20:15	64.2	68.2	59.3			
	20:20	63.2	65.6	59.2			
	20:25	62.0	64.4	59.9			
4	20:30	63.7	66.3	60.3	63.0	65.1	60.3
	20:35	62.6	64.2	60.8			
	20:40	62.7	64.5	60.3			
	20:45	64.0	66.9	60.5			
	20:50	63.1	65.5	60.2			
	20:55	61.6	63.1	59.9			
5	21:00	65.8	68.0	60.2	63.7	65.2	59.7
	21:05	61.7	63.4	59.9			
	21:10	64.1	65.4	60.1			
	21:15	64.4	66.8	60.7			
	21:20	63.3	64.3	59.7			
	21:25	61.5	63.3	57.8			
6	21:30	63.0	65.2	58.6	62.6	64.7	58.4
	21:35	60.9	63.4	57.6			
	21:40	63.3	65.3	58.9			
	21:45	64.3	68.5	58.4			
	21:50	61.0	62.8	58.3			
	21:55	61.9	63.2	58.3			
7	22:00	61.8	63.7	57.6	62.1	64.4	57.4
	22:05	60.8	63.3	57.2			
	22:10	63.2	64.6	57.5			
	22:15	62.2	65.6	57.4			
	22:20	62.3	64.9	57.4			
	22:25	62.0	64.3	57.4			
8	22:30	62.8	65.4	58.1	61.8	63.9	57.4
	22:35	60.2	62.8	57.1			
	22:40	64.2	66.6	57.6			
	22:45	61.5	63.1	57.3			
	22:50	60.9	63.6	57.2			
	22:55	59.9	62.1	56.9			
		Mean			62.8	65.1	58.6
		Maximum			63.7	66.3	60.3
		Minimum			61.8	63.9	57.4



Time Period: From 07:00hr to 19:00hr on Holiday

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	7:00	56.9	59.5	51.9	58.4	60.4	51.4
	7:05	60.0	63.6	51.4			
	7:10	57.6	59.8	50.8			
	7:15	59.5	59.4	51.0			
	7:20	58.9	61.6	51.4			
	7:25	56.0	58.7	51.6			
2	7:30	55.4	58.6	51.5	58.7	60.7	52.1
	7:35	55.0	58.2	51.3			
	7:40	60.9	63.0	52.9			
	7:45	55.4	57.7	51.7			
	7:50	57.8	61.4	51.5			
	7:55	62.0	65.5	53.6			
3	8:00	59.6	61.5	50.6	58.8	60.4	50.6
	8:05	56.9	60.5	50.6			
	8:10	55.9	59.0	51.1			
	8:15	58.5	61.0	49.4			
	8:20	58.8	60.6	51.4			
	8:25	61.2	59.9	50.4			
4	8:30	59.6	62.6	51.7	57.3	59.2	50.9
	8:35	55.6	59.1	50.1			
	8:40	57.0	59.3	50.7			
	8:45	59.3	62.4	51.5			
	8:50	55.5	56.8	50.7			
	8:55	53.1	54.7	50.4			
5	9:00	54.6	57.1	50.9	57.4	59.3	53.1
	9:05	54.0	57.4	49.5			
	9:10	55.1	58.1	50.7			
	9:15	57.9	60.0	53.0			
	9:20	60.2	61.2	59.2			
	9:25	58.9	61.7	55.1			
6	9:30	60.4	63.6	54.2	59.0	60.9	53.4
	9:35	58.2	61.3	53.4			
	9:40	57.0	59.0	53.0			
	9:45	56.7	59.0	53.0			
	9:50	57.7	60.1	53.1			
	9:55	61.6	62.1	53.7			
7	10:00	61.8	62.3	55.4	60.3	62.1	56.4
	10:05	60.2	62.5	56.7			
	10:10	59.6	61.9	55.6			
	10:15	59.5	61.6	56.8			
	10:20	59.2	61.3	56.1			
	10:25	60.9	63.2	58.0			
8	10:30	59.5	61.3	57.5	61.7	63.3	58.9
	10:35	61.6	63.8	58.9			
	10:40	62.6	63.6	59.5			
	10:45	62.5	64.6	59.2			
	10:50	61.7	63.6	59.3			
	10:55	61.2	63.1	59.2			
9	11:00	64.1	66.2	60.4	62.5	64.8	58.7
	11:05	60.9	62.9	58.2			
	11:10	61.8	63.7	58.1			
	11:15	63.5	66.7	58.6			
	11:20	62.0	64.1	58.2			
	11:25	62.2	65.0	58.5			
10	11:30	66.0	68.7	58.4	63.8	65.8	58.8
	11:35	61.5	63.7	58.5			
	11:40	62.6	64.7	59.4			
	11:45	64.2	67.5	58.9			
	11:50	63.7	66.0	58.8			
	11:55	63.3	64.1	59.0			
11	12:00	66.9	69.6	59.0	64.1	66.0	59.2
	12:05	61.8	64.3	58.0			
	12:10	62.2	64.3	59.0			
	12:15	63.5	65.9	58.7			
	12:20	62.7	64.6	59.5			
	12:25	65.0	67.1	60.7			
12	12:30	65.0	67.5	60.6	63.9	66.1	59.8
	12:35	64.8	66.3	60.8			
	12:40	63.0	65.0	60.2			
	12:45	64.8	67.9	59.1			
	12:50	62.4	64.3	59.1			
	12:55	62.8	65.3	59.2			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	13:00	64.7	67.7	59.8	64.1	66.2	59.6
	13:05	63.3	66.4	59.0			
	13:10	62.0	64.1	59.1			
	13:15	64.7	67.3	60.8			
	13:20	65.6	65.9	59.3			
	13:25	63.3	65.7	59.4			
14	13:30	63.1	65.3	58.9	63.6	66.0	58.8
	13:35	62.5	64.6	59.3			
	13:40	63.9	66.0	58.1			
	13:45	64.4	67.5	59.0			
	13:50	63.8	66.4	59.1			
	13:55	63.4	66.2	58.5			
15	14:00	63.9	67.0	58.6	63.6	66.3	58.4
	14:05	63.5	66.6	57.9			
	14:10	64.2	67.7	58.6			
	14:15	65.2	67.7	59.0			
	14:20	60.8	63.2	57.7			
	14:25	62.9	65.3	58.7			
16	14:30	63.8	67.0	59.3	63.8	66.8	58.8
	14:35	62.4	65.5	57.8			
	14:40	64.1	67.8	59.5			
	14:45	64.4	67.3	58.2			
	14:50	63.1	65.0	58.5			
	14:55	64.8	68.2	59.6			
17	15:00	65.6	69.0	60.1	64.4	66.9	59.4
	15:05	65.6	68.2	59.4			
	15:10	63.7	66.8	58.6			
	15:15	64.9	68.2	59.3			
	15:20	62.0	63.8	59.3			
	15:25	63.5	65.2	59.9			
18	15:30	63.4	66.6	58.9	63.0	65.5	58.2
	15:35	62.2	64.4	58.3			
	15:40	62.8	65.4	58.9			
	15:45	63.5	66.5	57.3			
	15:50	62.1	64.1	57.8			
	15:55	63.6	65.7	58.2			
19	16:00	64.2	67.5	60.1	63.0	65.1	58.0
	16:05	63.2	64.3	58.3			
	16:10	60.0	62.3	57.3			
	16:15	62.2	64.3	57.6			
	16:20	65.2	69.1	57.4			
	16:25	61.0	63.0	57.4			
20	16:30	61.8	64.9	57.9	62.3	64.6	58.0
	16:35	63.5	65.2	58.2			
	16:40	62.7	64.5	57.0			
	16:45	61.6	63.8	58.1			
	16:50	62.5	65.8	58.7			
	16:55	61.6	63.5	57.8			
21	17:00	62.7	65.9	58.0	63.3	66.0	58.4
	17:05	65.4	68.2	59.7			
	17:10	62.4	65.2	58.1			
	17:15	63.4	66.1	58.4			
	17:20	62.7	65.5	58.3			
	17:25	62.4	65.0	57.8			
22	17:30	63.8	66.5	58.7	64.8	67.9	59.6
	17:35	65.2	67.9	59.5			
	17:40	63.3	66.7	59.0			
	17:45	64.9	68.6	59.9			
	17:50	65.2	68.5	59.6			
	17:55	65.7	69.1	60.9			
23	18:00	64.5	66.6	61.4	65.1	67.8	60.7
	18:05	64.7	67.4	60.3			
	18:10	64.4	66.9	60.2			
	18:15	65.7	68.9	60.6			
	18:20	64.0	67.0	60.1			
	18:25	66.8	70.2	61.4			
24	18:30	64.8	67.4	61.2	64.2	66.3	61.6
	18:35	63.5	65.3	61.0			
	18:40	64.7	67.0	61.8			
	18:45	64.5	67.0	61.5			
	18:50	63.8	66.0	61.5			
	18:55	63.6	64.9	62.4			

Mean 62.1 64.3 57.2
 Maximum 65.1 67.9 61.6
 Minimum 57.3 59.2 50.6



Location: dm2(Day13) Date 18/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	65.2	67.9	62.2	63.6	65.5	60.5
	19:05	63.1	64.4	61.7			
	19:10	63.9	66.4	60.8			
	19:15	63.9	66.7	60.2			
	19:20	62.7	64.0	58.7			
	19:25	61.8	63.6	59.1			
2	19:30	63.7	67.5	58.7	62.6	65.0	58.9
	19:35	60.7	63.0	58.4			
	19:40	61.5	64.2	58.1			
	19:45	64.1	67.6	59.6			
	19:50	62.2	64.0	59.4			
	19:55	62.4	63.9	59.4			
3	20:00	63.6	66.0	58.6	62.8	65.6	58.3
	20:05	62.5	65.3	58.9			
	20:10	61.1	63.5	58.0			
	20:15	64.2	68.4	57.7			
	20:20	63.0	65.5	58.3			
	20:25	62.0	64.6	58.3			
4	20:30	64.6	67.7	59.3	62.6	65.0	58.4
	20:35	61.6	63.9	58.0			
	20:40	62.3	64.8	58.0			
	20:45	63.3	66.0	58.8			
	20:50	60.8	63.1	58.2			
	20:55	62.2	64.2	58.3			
5	21:00	63.4	66.8	58.1	62.2	64.5	57.9
	21:05	62.0	64.0	57.7			
	21:10	61.6	64.1	57.9			
	21:15	63.2	65.9	58.3			
	21:20	61.3	63.1	58.1			
	21:25	61.4	62.9	57.5			
6	21:30	62.5	64.9	57.6	61.2	63.3	57.2
	21:35	60.2	62.5	57.6			
	21:40	61.0	62.9	57.3			
	21:45	62.4	65.2	57.0			
	21:50	59.2	61.6	56.3			
	21:55	60.9	62.9	57.3			
7	22:00	62.7	64.6	57.0	62.0	64.1	56.9
	22:05	60.3	62.7	56.8			
	22:10	60.2	62.7	56.3			
	22:15	63.8	67.4	57.5			
	22:20	62.5	64.2	57.1			
	22:25	61.3	63.1	56.6			
8	22:30	61.5	64.0	57.1	60.8	63.2	57.0
	22:35	60.7	63.4	57.4			
	22:40	60.5	62.9	57.3			
	22:45	62.1	64.9	56.9			
	22:50	59.8	62.1	56.7			
	22:55	59.8	62.1	56.7			
		Mean			62.2	64.5	58.1
		Maximum			62.8	65.6	58.9
		Minimum			60.8	63.2	56.9



Location: dm2(Day14) Date 22/7/2021

Time Period: From 19:00hr to 23:00HR

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	19:00	63.3	65.9	57.8	62.5	65.1	57.9
	19:05	64.0	68.4	58.3			
	19:10	60.5	62.5	57.6			
	19:15	62.6	66.3	58.1			
	19:20	62.1	63.9	57.8			
	19:25	61.3	63.4	58.0			
2	19:30	65.5	68.2	59.7	73.2	71.2	65.7
	19:35	79.2	77.3	68.6			
	19:40	72.4	73.6	70.9			
	19:45	71.6	73.3	69.3			
	19:50	65.9	67.9	63.3			
	19:55	64.7	67.1	62.1			
3	20:00	66.0	69.6	60.9	64.8	67.4	60.5
	20:05	63.2	65.7	60.2			
	20:10	62.7	64.8	60.0			
	20:15	66.6	71.3	60.5			
	20:20	64.0	66.1	60.9			
	20:25	64.8	66.6	60.6			
4	20:30	64.8	68.5	60.1	63.2	65.3	59.8
	20:35	63.5	65.4	60.1			
	20:40	61.7	63.5	59.6			
	20:45	64.1	67.0	59.9			
	20:50	61.5	63.3	59.2			
	20:55	62.4	64.0	59.8			
5	21:00	64.0	65.7	60.3	63.1	64.9	60.2
	21:05	62.9	64.9	60.1			
	21:10	62.7	64.7	59.9			
	21:15	64.1	66.1	61.1			
	21:20	61.5	63.3	59.5			
	21:25	62.9	64.5	60.3			
6	21:30	63.4	66.0	59.2	63.5	65.7	58.9
	21:35	63.5	66.1	58.1			
	21:40	60.4	62.5	57.5			
	21:45	61.2	64.0	58.0			
	21:50	65.3	68.2	59.8			
	21:55	65.1	67.6	61.0			
7	22:00	63.3	65.9	58.9	62.6	65.0	58.3
	22:05	63.7	66.1	58.1			
	22:10	62.4	64.5	58.4			
	22:15	63.1	65.6	58.7			
	22:20	61.6	64.1	57.6			
	22:25	61.1	63.5	57.8			
8	22:30	60.9	63.6	58.3	61.0	63.1	58.6
	22:35	61.2	63.1	58.9			
	22:40	61.0	62.7	59.1			
	22:45	61.5	64.0	58.6			
	22:50	60.6	62.4	58.6			
	22:55	60.5	62.5	58.2			
		Mean			64.2	65.9	60.0
		Maximum			73.2	71.2	65.7
		Minimum			61.0	63.1	58.3



Appendix C7

Baseline Noise Monitoring Data_DM2_Night Time (2300-0700 of next day)



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	62.1	64.1	58.0	61.5	63.5	58.4
	23:05	62.2	63.9	60.3			
	23:10	61.4	63.0	59.6			
	23:15	63.1	66.5	58.3			
	23:20	59.9	61.8	57.2			
23:25	59.4	61.6	56.7				
2	23:30	62.5	66.4	57.1	59.9	62.3	56.4
	23:35	59.1	61.8	56.3			
	23:40	59.3	61.3	57.0			
	23:45	59.7	62.1	56.2			
	23:50	58.5	60.9	56.0			
23:55	58.9	61.2	55.7				
3	0:00	58.8	61.0	56.0	58.3	60.4	55.8
	0:05	58.1	60.4	55.6			
	0:10	58.1	60.5	55.7			
	0:15	58.1	59.7	56.0			
	0:20	58.2	60.3	55.6			
4	0:25	58.5	60.2	55.7	58.2	60.3	55.9
	0:30	58.3	60.5	56.0			
	0:35	58.3	60.3	56.0			
	0:40	58.7	60.7	55.9			
	0:45	58.0	60.2	55.5			
5	0:50	58.1	60.4	55.9	58.6	60.7	56.0
	0:55	58.0	59.8	55.8			
	1:00	59.2	61.4	56.3			
	1:05	58.5	60.8	56.0			
	1:10	58.1	59.9	56.2			
6	1:15	58.9	61.1	55.9	58.4	60.5	55.8
	1:20	58.5	60.4	55.8			
	1:25	57.9	60.8	55.6			
	1:30	58.6	61.3	55.5			
	1:35	58.4	60.1	56.0			
7	1:40	58.5	60.5	55.9	58.4	60.3	55.9
	1:45	57.8	60.0	55.2			
	1:50	58.2	60.4	55.8			
	1:55	58.8	60.7	56.2			
	2:00	59.2	61.2	55.9			
8	2:05	58.5	60.6	56.0	57.9	60.0	55.3
	2:10	58.4	60.7	56.0			
	2:15	58.3	60.7	55.8			
	2:20	58.1	59.5	55.9			
	2:25	57.5	59.2	55.7			
9	2:30	58.0	60.3	55.7	57.5	59.7	54.8
	2:35	57.8	59.8	56.0			
	2:40	57.8	60.2	55.0			
	2:45	57.7	59.9	55.1			
	2:50	57.7	59.5	54.8			
10	2:55	58.1	60.5	55.4	58.5	60.0	54.3
	3:00	58.0	60.5	55.3			
	3:05	57.2	59.4	54.8			
	3:10	57.1	59.2	54.4			
	3:15	56.6	58.6	54.1			
11	3:20	59.2	61.8	55.4	56.4	58.7	53.7
	3:25	56.6	58.4	54.5			
	3:30	56.9	58.8	54.7			
	3:35	57.0	59.7	54.2			
	3:40	59.8	59.9	54.3			
12	3:45	58.1	60.8	53.8	55.9	57.5	53.7
	3:50	59.2	60.1	54.1			
	3:55	59.0	60.8	54.4			
	4:00	56.5	58.7	53.6			
	4:05	56.3	58.4	53.8			
	4:10	55.4	56.9	53.7			
	4:15	56.6	59.3	53.8			
	4:20	56.4	58.6	54.1			
	4:25	57.2	60.2	53.4			
	4:30	57.0	59.5	54.0			
	4:35	56.0	57.7	53.9			
	4:40	56.4	58.5	53.8			
	4:45	55.6	57.2	53.7			
	4:50	55.0	56.1	53.5			
	4:55	54.9	55.8	53.2			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	55.5	57.7	53.1	55.2	56.8	53.1
	5:05	54.9	55.9	53.1			
	5:10	55.3	56.4	53.5			
	5:15	54.7	56.4	52.8			
	5:20	55.4	56.8	53.2			
14	5:25	55.2	57.6	53.0	55.2	56.8	52.9
	5:30	55.0	56.8	52.8			
	5:35	54.7	56.4	52.8			
	5:40	55.3	57.3	52.7			
	5:45	54.8	56.1	53.1			
15	5:50	56.8	58.8	53.0	54.8	56.2	52.9
	5:55	54.1	55.3	52.7			
	6:00	53.6	54.6	52.2			
	6:05	54.4	55.6	52.7			
	6:10	54.6	55.5	53.0			
16	6:15	55.2	56.6	53.3	57.5	59.1	53.0
	6:20	55.5	57.9	53.2			
	6:25	55.2	57.1	53.2			
	6:30	55.2	58.1	52.7			
	6:35	54.6	56.2	52.7			
	6:40	57.3	59.5	53.1			
	6:45	60.1	62.1	53.4			
	6:50	58.7	59.0	53.3			
	6:55	56.5	59.7	53.0			
				Mean	57.6	59.5	54.9
				Maximum	59.9	62.3	56.4
				Minimum	54.8	56.2	52.9



Location: dm2(Day2) Date 7/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	63.1	66.2	57.9	61.7	63.6	58.2
	23:05	62.7	64.1	61.5			
	23:10	62.3	64.3	59.5			
	23:15	62.1	64.5	57.1			
	23:20	59.5	61.8	57.0			
	23:25	58.7	60.8	56.2			
2	23:30	62.7	66.3	56.7	59.6	61.7	56.1
	23:35	58.9	61.4	56.4			
	23:40	59.1	61.7	55.9			
	23:45	57.9	59.8	55.7			
	23:50	57.9	60.0	55.7			
	23:55	58.6	60.8	56.2			
3	0:00	58.4	60.1	56.5	59.6	61.2	56.5
	0:05	61.5	62.1	56.4			
	0:10	60.3	62.5	57.0			
	0:15	59.1	60.6	57.0			
	0:20	59.1	61.4	56.1			
	0:25	58.6	60.2	55.7			
4	0:30	59.8	61.7	56.0	58.5	60.6	55.7
	0:35	58.8	61.2	55.7			
	0:40	58.3	60.5	55.4			
	0:45	58.0	59.9	55.9			
	0:50	58.1	60.3	55.7			
	0:55	57.8	59.7	55.3			
5	1:00	58.5	60.6	56.2	58.7	60.9	56.3
	1:05	58.6	61.1	56.2			
	1:10	58.2	60.1	56.3			
	1:15	59.0	61.8	56.1			
	1:20	59.1	61.0	56.5			
	1:25	58.9	60.8	56.6			
6	1:30	58.1	60.3	56.0	58.5	60.5	56.3
	1:35	58.8	60.7	56.8			
	1:40	58.4	60.4	56.2			
	1:45	58.7	61.2	56.0			
	1:50	58.3	60.2	56.2			
	1:55	58.5	60.3	56.3			
7	2:00	58.7	60.7	56.1	58.8	60.6	56.3
	2:05	59.9	61.6	56.7			
	2:10	57.9	59.5	56.2			
	2:15	58.9	61.0	56.6			
	2:20	58.6	60.4	56.1			
	2:25	58.6	60.6	56.2			
8	2:30	58.7	61.0	56.1	59.0	60.9	55.8
	2:35	59.4	61.1	56.1			
	2:40	59.4	61.5	56.2			
	2:45	59.6	60.3	55.6			
	2:50	58.3	60.9	55.1			
	2:55	58.2	60.6	55.8			
9	3:00	58.2	60.6	55.4	58.2	60.4	55.1
	3:05	57.3	59.3	55.0			
	3:10	59.4	61.4	55.5			
	3:15	58.2	59.8	54.5			
	3:20	57.9	60.4	55.4			
	3:25	57.9	60.6	54.8			
10	3:30	57.3	59.9	54.3	56.8	59.1	54.2
	3:35	56.4	58.2	54.4			
	3:40	56.9	59.0	54.0			
	3:45	56.7	59.4	53.9			
	3:50	56.8	59.1	54.4			
	3:55	57.0	59.1	54.2			
11	4:00	57.5	59.7	54.7	57.2	59.2	54.4
	4:05	57.1	59.5	54.3			
	4:10	57.5	59.0	54.6			
	4:15	56.4	58.4	54.0			
	4:20	56.8	58.8	54.2			
	4:25	57.6	59.9	54.5			
12	4:30	56.1	58.2	54.1	56.3	58.3	54.0
	4:35	56.9	59.3	54.2			
	4:40	56.1	58.5	54.0			
	4:45	56.7	58.6	54.3			
	4:50	56.5	58.9	54.0			
	4:55	55.2	56.3	53.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	56.2	57.8	53.6	55.1	57.7	53.6	
	5:05	55.0	56.1	53.3				
	5:10	55.9	57.6	53.7				
	5:15	56.3	58.1	53.5				
	5:20	55.5	57.9	53.1				
	5:25	56.6	58.5	54.2				
14	5:30	54.9	55.9	53.0	57.4	58.0	53.2	
	5:35	56.6	57.5	53.3				
	5:40	55.8	57.7	53.6				
	5:45	56.5	57.6	52.7				
	5:50	55.6	57.5	53.4				
	5:55	61.2	61.7	53.0				
15	6:00	62.9	65.1	53.8	57.8	58.3	53.2	
	6:05	55.3	56.8	53.5				
	6:10	55.0	56.4	53.3				
	6:15	54.6	56.3	52.8				
	6:20	55.0	57.1	52.9				
	6:25	55.8	58.1	53.1				
16	6:30	55.4	57.4	52.9	57.2	59.1	53.2	
	6:35	56.7	58.3	53.3				
	6:40	56.0	59.0	53.2				
	6:45	59.1	61.3	53.2				
	6:50	58.7	59.8	53.5				
	6:55	56.0	58.7	52.9				
					Mean	58.1	60.0	55.1
					Maximum	59.6	61.7	56.5
					Minimum	56.3	58.0	53.2



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	60.6	62.7	57.2	60.8	62.5	57.9
	23:05	62.9	63.8	62.1			
	23:10	61.9	63.2	60.1			
	23:15	59.4	61.5	56.8			
	23:20	59.4	61.9	55.6			
2	23:25	59.0	61.6	55.7	58.1	60.1	55.6
	23:30	57.6	59.7	55.2			
	23:35	58.5	60.1	55.9			
	23:40	58.6	60.8	56.0			
	23:45	57.7	59.7	55.2			
3	23:50	57.8	59.8	55.6	58.2	60.4	55.1
	23:55	58.5	60.2	55.8			
	0:00	59.0	61.1	55.4			
	0:05	57.1	59.2	54.9			
	0:10	57.9	60.6	54.8			
4	0:15	57.6	60.1	55.0	58.6	60.4	55.3
	0:20	59.2	61.0	55.4			
	0:25	58.1	60.3	55.2			
	0:30	57.8	60.0	55.3			
	0:35	58.0	60.2	54.8			
5	0:40	58.1	60.3	55.5	58.1	60.2	55.6
	0:45	58.5	61.2	55.5			
	0:50	57.5	59.7	54.9			
	0:55	60.7	61.1	55.5			
	1:00	57.5	59.5	55.6			
6	1:05	58.3	60.4	55.5	58.9	61.2	55.6
	1:10	58.0	60.5	55.0			
	1:15	58.3	60.4	55.7			
	1:20	58.2	60.6	55.9			
	1:25	58.0	60.0	55.6			
7	1:30	59.2	61.8	56.1	58.6	60.6	55.4
	1:35	57.9	59.5	55.8			
	1:40	59.3	61.9	55.2			
	1:45	59.1	61.8	55.4			
	1:50	58.5	60.8	55.4			
8	1:55	59.0	61.3	55.8	57.7	59.8	54.7
	2:00	58.1	60.5	55.7			
	2:05	58.4	60.2	56.2			
	2:10	60.4	61.6	55.4			
	2:15	58.3	61.3	55.2			
9	2:20	58.3	60.4	54.7	58.3	60.1	55.2
	2:25	57.7	59.7	55.2			
	2:30	57.9	60.0	55.3			
	2:35	57.4	59.3	54.5			
	2:40	57.1	59.3	54.5			
10	2:45	57.3	59.4	54.2	56.9	59.0	53.7
	2:50	57.4	59.9	55.1			
	2:55	58.9	60.8	54.8			
	3:00	57.3	59.3	54.9			
	3:05	58.5	61.0	55.7			
11	3:10	59.2	59.8	55.8	56.2	58.3	53.5
	3:15	58.1	60.2	56.2			
	3:20	57.7	60.0	54.4			
	3:25	58.6	60.1	54.4			
	3:30	57.4	59.7	54.1			
12	3:35	56.6	58.9	53.6	56.8	57.6	53.2
	3:40	56.9	59.1	54.1			
	3:45	57.0	60.2	53.7			
	3:50	56.7	57.7	53.4			
	3:55	56.8	58.1	53.5			
	4:00	56.4	58.8	53.8			
	4:05	55.5	57.5	53.1			
	4:10	57.6	60.2	54.2			
	4:15	56.1	58.4	53.3			
	4:20	55.3	57.2	53.2			
	4:25	56.1	57.8	53.3			
	4:30	57.7	58.1	53.3			
	4:35	56.0	57.8	53.4			
	4:40	59.7	58.5	53.0			
	4:45	55.5	57.7	53.6			
	4:50	55.5	57.7	53.3			
	4:55	54.2	55.5	52.6			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	56.2	59.2	52.6	55.5	57.5	52.7
	5:05	55.1	57.0	52.5			
	5:10	56.6	59.4	53.0			
	5:15	55.3	57.2	52.9			
	5:20	55.2	56.8	52.9			
14	5:25	54.2	55.3	52.5	62.0	59.6	53.0
	5:30	55.5	57.9	53.0			
	5:35	57.6	60.2	52.8			
	5:40	54.1	55.3	52.5			
	5:45	54.3	55.9	52.6			
15	5:50	55.7	57.9	53.3	61.0	60.3	53.1
	5:55	68.9	70.2	54.0			
	6:00	60.0	62.1	53.5			
	6:05	57.9	60.6	52.7			
	6:10	66.4	65.4	53.6			
16	6:15	59.5	57.8	52.9	57.9	60.1	53.1
	6:20	55.3	58.1	52.7			
	6:25	55.7	57.7	53.3			
	6:30	60.8	63.6	54.7			
	6:35	55.8	57.3	53.0			
	6:40	57.0	60.4	53.0			
	6:45	58.6	61.5	52.8			
	6:50	56.6	58.1	52.6			
6:55	56.8	59.9	52.7	Mean	58.4	59.8	54.6
				Maximum	62.0	61.2	55.6
				Minimum	56.2	57.6	53.0



Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	60.2	62.1	57.4	59.8	61.6	57.1
	23:05	61.2	62.3	60.0			
	23:10	60.7	62.7	58.6			
	23:15	60.3	62.3	56.4			
	23:20	58.2	60.4	55.6			
2	23:25	57.2	59.5	54.8	58.8	60.6	55.3
	23:30	57.8	60.0	55.2			
	23:35	58.3	60.4	55.8			
	23:40	57.5	59.7	54.8			
	23:45	58.4	61.0	55.3			
3	23:50	59.3	61.3	55.5	59.1	60.9	55.2
	23:55	60.5	61.2	55.4			
	0:00	59.7	60.6	55.1			
	0:05	58.4	61.3	55.1			
	0:10	57.3	59.5	54.8			
4	0:15	59.4	61.4	55.3	58.3	60.8	55.4
	0:20	60.7	62.0	55.6			
	0:25	58.0	60.6	55.1			
	0:30	58.5	61.4	55.0			
	0:35	58.2	60.9	55.3			
5	0:40	58.2	60.5	55.7	57.9	60.3	55.3
	0:45	58.7	61.2	55.7			
	0:50	58.1	60.6	55.1			
	0:55	57.9	60.1	55.5			
	1:00	58.1	60.7	55.5			
6	1:05	57.7	60.2	55.4	58.5	60.9	55.4
	1:10	57.4	59.2	55.4			
	1:15	58.2	60.7	54.8			
	1:20	57.6	60.1	55.4			
	1:25	58.4	60.6	55.5			
7	1:30	59.2	62.3	55.6	58.0	60.4	54.8
	1:35	57.9	60.3	55.0			
	1:40	58.5	61.0	55.5			
	1:45	58.1	59.8	55.2			
	1:50	58.0	60.6	55.1			
8	1:55	58.9	61.2	56.1	56.9	59.4	53.8
	2:00	59.2	61.3	55.1			
	2:05	57.7	60.9	54.4			
	2:10	58.2	60.6	54.8			
	2:15	57.3	59.4	54.9			
9	2:20	57.6	59.9	54.5	56.6	59.0	53.7
	2:25	57.8	60.3	55.3			
	2:30	57.6	59.9	54.4			
	2:35	57.1	60.3	53.9			
	2:40	56.3	58.4	53.6			
10	2:45	56.6	59.3	53.5	56.7	58.2	52.7
	2:50	57.3	59.4	54.0			
	2:55	56.3	58.8	53.6			
	3:00	56.7	59.5	53.8			
	3:05	56.7	58.7	53.7			
11	3:10	57.0	59.6	54.1	55.4	57.5	52.6
	3:15	56.5	58.8	53.9			
	3:20	56.4	58.9	53.6			
	3:25	56.4	58.4	53.3			
	3:30	56.1	58.5	52.9			
12	3:35	57.1	58.5	52.8	54.2	55.5	52.2
	3:40	57.6	60.3	52.8			
	3:45	58.3	58.8	52.8			
	3:50	54.7	56.1	52.4			
	3:55	55.5	57.1	52.7			
	4:00	55.9	57.4	52.9			
	4:05	55.3	57.4	52.8			
	4:10	55.8	58.8	52.5			
	4:15	55.2	56.9	52.7			
	4:20	55.4	57.8	52.6			
	4:25	54.4	56.8	52.3			
	4:30	53.8	55.1	52.2			
	4:35	54.9	56.4	52.2			
	4:40	54.5	56.3	52.3			
	4:45	54.5	55.9	52.4			
	4:50	54.0	54.8	52.1			
	4:55	53.5	54.5	51.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	66.5	71.6	53.4	60.3	59.7	52.8	
	5:05	58.0	60.5	54.0				
	5:10	54.5	55.7	52.5				
	5:15	56.1	58.3	52.4				
	5:20	55.9	56.4	52.3				
14	5:25	54.1	55.8	52.3	54.4	56.0	52.1	
	5:30	54.9	56.7	52.4				
	5:35	55.7	57.9	52.2				
	5:40	54.2	56.0	52.3				
	5:45	54.0	55.7	52.3				
15	5:50	53.6	55.0	51.8	54.8	56.5	52.4	
	5:55	53.8	54.9	51.7				
	6:00	56.3	59.1	52.8				
	6:05	53.7	55.0	52.2				
	6:10	55.0	56.9	52.2				
16	6:15	53.8	55.2	52.0	56.2	57.6	52.3	
	6:20	54.6	56.5	52.3				
	6:25	54.8	56.1	52.7				
	6:30	54.5	56.0	52.4				
	6:35	54.5	56.2	52.2				
	6:40	54.4	56.0	51.8				
	6:45	59.6	61.0	52.4				
	6:50	56.2	59.3	52.2				
6:55	55.2	57.3	52.6					
					Mean	57.2	59.0	54.0
					Maximum	59.1	60.9	55.4
					Minimum	54.2	55.5	52.1



Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	64.6	68.0	58.0	62.8	64.4	58.1
	23:05	63.2	64.5	60.3			
	23:10	62.5	63.8	59.5			
	23:15	62.4	65.4	57.1			
	23:20	62.6	62.4	56.8			
2	23:25	60.8	62.4	56.8	60.5	62.3	56.4
	23:30	60.9	62.7	56.7			
	23:35	58.7	60.8	56.4			
	23:40	62.2	63.1	57.0			
	23:45	59.5	62.0	55.8			
3	23:50	60.1	61.9	56.2	59.4	61.4	55.6
	23:55	60.6	63.1	56.0			
	0:00	58.6	60.7	56.1			
	0:05	61.1	63.1	56.1			
	0:10	60.3	61.2	55.1			
4	0:15	58.2	61.0	55.1	58.7	61.2	55.4
	0:20	59.0	61.0	55.6			
	0:25	58.6	61.2	55.5			
	0:30	59.0	61.8	55.3			
	0:35	59.2	61.6	56.0			
5	0:40	59.2	61.6	55.3	58.7	60.7	55.6
	0:45	58.0	60.5	55.2			
	0:50	58.7	61.6	55.6			
	0:55	57.9	60.2	55.2			
	1:00	58.3	60.6	56.1			
6	1:05	59.1	61.7	55.7	58.9	60.9	55.9
	1:10	58.6	60.2	55.3			
	1:15	58.0	59.9	55.7			
	1:20	59.3	61.1	55.3			
	1:25	58.6	60.9	55.6			
7	1:30	58.2	60.4	55.9	58.4	60.6	55.4
	1:35	58.4	60.3	55.8			
	1:40	59.3	61.1	55.8			
	1:45	58.9	61.3	55.4			
	1:50	60.0	61.8	56.4			
8	1:55	58.4	60.4	56.3	57.2	59.5	54.5
	2:00	59.1	61.5	55.8			
	2:05	58.6	61.1	55.9			
	2:10	59.4	61.8	55.9			
	2:15	57.0	58.9	55.0			
9	2:20	57.6	60.2	54.7	57.0	59.0	53.8
	2:25	58.1	60.0	55.3			
	2:30	57.6	59.7	54.7			
	2:35	57.4	59.4	54.9			
	2:40	57.1	59.1	54.9			
10	2:45	57.1	59.7	54.0	57.2	58.4	53.4
	2:50	57.4	59.5	54.3			
	2:55	56.8	59.4	54.4			
	3:00	56.5	58.4	54.1			
	3:05	57.8	60.5	54.2			
11	3:10	58.4	59.2	53.9	55.8	57.7	52.9
	3:15	56.0	57.8	53.5			
	3:20	56.1	58.3	53.1			
	3:25	56.8	59.7	54.1			
	3:30	56.7	59.4	54.0			
12	3:35	55.6	57.7	53.3	54.3	55.9	52.3
	3:40	56.1	57.6	53.2			
	3:45	59.9	59.9	53.2			
	3:50	57.2	58.1	53.4			
	3:55	55.8	57.9	53.1			
	4:00	55.7	57.5	53.4			
	4:05	58.2	60.1	53.5			
	4:10	54.9	57.1	52.5			
	4:15	55.3	56.8	53.0			
	4:20	55.4	58.1	52.6			
	4:25	54.6	56.7	52.3			
	4:30	54.3	55.9	52.4			
	4:35	54.3	56.1	52.0			
	4:40	54.9	57.5	52.3			
	4:45	54.4	55.7	52.5			
	4:50	53.7	54.7	52.3			
	4:55	54.0	55.5	52.1			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	55.1	56.8	52.8	54.4	55.9	52.2	
	5:05	54.3	55.4	52.1				
	5:10	53.6	55.0	51.7				
	5:15	55.0	56.5	52.0				
	5:20	53.7	55.1	52.0				
14	5:25	54.6	56.6	52.6	54.0	55.5	51.7	
	5:30	54.4	55.9	51.8				
	5:35	53.7	55.2	51.7				
	5:40	54.1	55.8	51.9				
	5:45	53.5	54.9	51.6				
15	5:50	54.0	54.5	51.2	54.1	55.9	51.8	
	5:55	54.5	56.5	52.2				
	6:00	53.7	55.2	51.2				
	6:05	54.1	55.8	51.7				
	6:10	53.2	54.8	51.6				
16	6:15	53.4	54.6	52.0	57.8	59.1	52.3	
	6:20	55.3	58.6	52.1				
	6:25	54.5	56.2	52.2				
	6:30	55.1	57.7	52.6				
	6:35	55.2	58.3	52.1				
	6:40	54.9	57.4	52.4				
	6:45	59.5	61.3	52.4				
	6:50	55.5	58.2	52.0				
6:55	61.6	61.6	52.2					
					Mean	57.5	59.3	54.2
					Maximum	60.5	62.3	56.4
					Minimum	54.0	55.5	51.7



Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	61.5	64.1	56.0	61.9	63.0	57.8
	23:05	62.2	63.4	60.5			
	23:10	63.8	64.9	60.6			
	23:15	61.5	63.3	57.5			
	23:20	58.9	60.8	56.1			
2	23:25	62.2	61.2	56.2	61.6	62.6	56.5
	23:30	65.3	68.8	57.9			
	23:35	59.9	61.4	56.6			
	23:40	58.8	61.1	56.4			
	23:45	62.0	62.9	56.1			
3	23:50	60.9	60.7	56.2	63.0	61.3	56.1
	23:55	58.3	60.7	55.5			
	0:00	59.0	61.1	56.4			
	0:05	58.9	61.0	56.3			
	0:10	69.1	61.9	56.0			
4	0:15	59.2	61.6	56.2	58.7	60.9	55.6
	0:20	58.7	61.1	55.9			
	0:25	59.1	61.1	55.8			
	0:30	58.3	60.2	55.8			
	0:35	59.1	61.4	55.7			
5	0:40	59.1	61.6	55.9	58.6	60.9	55.8
	0:45	58.6	61.0	55.6			
	0:50	57.9	59.6	55.3			
	0:55	59.1	61.7	55.3			
	1:00	59.1	61.7	55.7			
6	1:05	57.9	60.1	55.5	59.4	61.3	57.1
	1:10	58.1	60.5	55.4			
	1:15	59.1	61.7	55.9			
	1:20	59.1	61.3	56.1			
	1:25	58.2	60.2	55.9			
7	1:30	58.1	60.2	55.7	60.1	62.1	56.6
	1:35	58.5	61.3	55.0			
	1:40	58.5	60.6	56.5			
	1:45	60.1	62.1	57.8			
	1:50	60.4	61.6	59.2			
8	1:55	60.4	62.2	58.6	58.5	60.3	55.9
	2:00	60.6	62.0	59.0			
	2:05	60.5	61.8	59.3			
	2:10	63.0	68.1	55.7			
	2:15	58.3	60.3	55.4			
9	2:20	57.7	59.8	55.1	57.2	58.9	54.0
	2:25	58.1	60.5	55.3			
	2:30	57.8	59.8	55.5			
	2:35	58.0	59.8	55.5			
	2:40	58.6	60.2	56.0			
10	2:45	59.1	61.0	56.3	57.6	59.8	53.5
	2:50	60.0	62.0	56.8			
	2:55	57.1	59.1	55.1			
	3:00	58.1	60.5	54.7			
	3:05	58.8	58.6	54.4			
11	3:10	56.1	57.5	54.3	56.4	58.1	52.9
	3:15	56.8	58.8	54.0			
	3:20	55.8	57.7	53.5			
	3:25	56.9	60.1	53.3			
	3:30	57.2	59.5	54.3			
12	3:35	57.2	60.1	53.7	54.7	56.7	52.4
	3:40	57.2	59.1	54.0			
	3:45	56.4	58.8	53.0			
	3:50	60.3	63.5	53.1			
	3:55	55.3	57.5	53.0			
	4:00	55.2	56.5	53.2			
	4:05	55.3	57.5	52.6			
	4:10	55.1	57.5	53.0			
	4:15	56.5	59.7	53.1			
	4:20	56.8	58.7	52.7			
	4:25	58.3	58.4	52.7			
	4:30	55.1	57.9	52.3			
	4:35	55.6	57.8	52.8			
	4:40	54.7	56.9	52.2			
	4:45	54.2	55.7	52.3			
	4:50	54.7	56.9	52.1			
	4:55	53.8	54.8	52.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	55.2	57.0	52.2	55.2	57.3	52.1
	5:05	55.8	58.8	51.9			
	5:10	55.6	58.1	52.4			
	5:15	54.9	56.2	51.9			
	5:20	55.3	57.8	52.1			
14	5:25	54.6	55.8	52.3	54.8	56.6	51.9
	5:30	53.7	55.1	51.8			
	5:35	54.5	57.1	51.5			
	5:40	55.5	58.1	51.9			
	5:45	54.4	56.5	52.1			
15	5:50	55.3	57.5	52.1	56.6	57.8	52.6
	5:55	55.1	55.0	51.9			
	6:00	55.5	58.3	52.2			
	6:05	57.9	59.4	52.2			
	6:10	54.9	57.1	51.8			
16	6:15	54.0	55.0	51.7	59.2	61.4	54.3
	6:20	59.1	58.9	53.3			
	6:25	56.3	57.8	54.1			
	6:30	58.3	61.0	55.1			
	6:35	59.6	62.1	55.4			
	6:40	59.9	62.4	55.3			
	6:45	60.3	62.5	52.6			
	6:50	59.2	60.2	53.9			
	6:55	57.2	60.3	53.5			
				Mean	58.4	59.9	54.7
				Maximum	63.0	62.6	57.1
				Minimum	54.7	56.6	51.9



Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	60.3	61.8	56.2	61.1	62.7	57.7
	23:05	60.6	62.4	56.4			
	23:10	62.4	63.7	60.6			
	23:15	62.9	65.0	58.9			
	23:20	60.0	61.9	57.8			
2	23:25	59.5	61.2	56.1	60.1	62.1	55.2
	23:30	62.5	65.5	55.7			
	23:35	59.0	61.4	55.1			
	23:40	58.1	60.9	54.6			
	23:45	60.2	61.8	55.8			
3	23:50	60.1	61.7	54.8	59.2	61.2	56.8
	23:55	59.2	61.2	55.0			
	0:00	59.3	61.8	56.6			
	0:05	59.1	61.2	56.9			
	0:10	59.0	60.8	57.0			
4	0:15	59.3	61.4	56.6	59.4	61.5	56.4
	0:20	59.1	61.4	56.8			
	0:25	59.1	60.7	56.6			
	0:30	58.8	61.6	55.6			
	0:35	60.2	62.1	56.8			
5	0:40	60.0	62.2	56.7	59.2	61.5	56.7
	0:45	59.3	61.5	56.6			
	0:50	58.4	60.2	56.2			
	0:55	59.6	61.6	56.7			
	1:00	59.4	61.5	56.9			
6	1:05	58.7	60.7	55.9	59.2	61.3	56.8
	1:10	59.8	62.6	57.0			
	1:15	59.8	62.2	57.0			
	1:20	58.6	60.5	56.5			
	1:25	59.1	61.5	56.6			
7	1:30	58.9	60.5	56.7	59.6	61.4	56.2
	1:35	59.3	61.5	57.0			
	1:40	59.8	62.8	56.7			
	1:45	58.9	60.9	56.7			
	1:50	58.5	60.4	56.4			
8	1:55	59.6	61.8	57.0	58.1	60.5	54.7
	2:00	60.1	62.0	56.7			
	2:05	60.9	63.4	57.0			
	2:10	58.4	60.8	55.9			
	2:15	61.2	61.9	56.4			
9	2:20	57.8	59.9	55.6	57.6	60.0	54.3
	2:25	58.2	60.5	55.3			
	2:30	58.6	61.2	54.8			
	2:35	57.7	60.1	54.7			
	2:40	57.7	59.8	54.7			
10	2:45	57.5	60.0	54.1	57.4	59.2	52.9
	2:50	59.2	61.5	55.2			
	2:55	57.9	60.3	54.5			
	3:00	57.2	59.3	54.4			
	3:05	56.7	58.8	54.3			
11	3:10	57.7	60.8	54.2	55.5	58.0	51.8
	3:15	57.7	59.6	54.8			
	3:20	57.5	60.0	53.8			
	3:25	58.5	61.6	54.4			
	3:30	56.2	58.6	53.5			
12	3:35	56.1	58.3	53.5	54.8	57.2	50.8
	3:40	57.1	60.0	52.8			
	3:45	59.5	61.4	52.8			
	3:50	57.9	58.2	52.3			
	3:55	56.5	58.8	52.5			
	4:00	56.1	59.2	52.1			
	4:05	56.7	60.2	52.8			
	4:10	55.0	57.6	51.7			
	4:15	54.4	56.7	51.8			
	4:20	56.3	57.8	51.4			
	4:25	54.2	56.5	50.9			
	4:30	53.7	55.9	49.6			
	4:35	53.6	55.6	50.9			
	4:40	53.9	55.7	51.5			
	4:45	54.0	56.0	50.6			
	4:50	56.6	60.4	51.3			
	4:55	55.9	59.4	51.1			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	56.0	59.0	50.5	54.6	56.5	51.0
	5:05	54.8	56.8	51.5			
	5:10	53.0	54.5	50.5			
	5:15	53.8	55.0	50.9			
	5:20	55.0	57.7	51.4			
14	5:25	54.2	55.7	51.2	53.4	55.4	49.7
	5:30	55.7	59.1	50.8			
	5:35	53.4	54.9	50.2			
	5:40	54.1	57.5	50.1			
	5:45	51.7	53.1	49.5			
15	5:50	52.5	54.2	49.0	52.8	54.4	49.6
	5:55	51.9	53.7	48.3			
	6:00	51.5	53.1	48.6			
	6:05	52.8	52.8	49.2			
	6:10	52.8	54.8	49.5			
16	6:15	53.2	55.3	49.7	55.1	57.4	49.6
	6:20	52.2	54.0	49.7			
	6:25	54.0	56.6	50.6			
	6:30	54.0	57.5	49.8			
	6:35	53.0	55.5	49.1			
	6:40	52.1	54.4	48.4			
	6:45	59.0	62.0	50.1			
	6:50	53.8	57.0	49.3			
	6:55	54.6	57.7	50.9			
			Mean		57.3	59.4	53.7
			Maximum		60.1	62.1	56.8
			Minimum		52.8	54.4	49.6



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	63.2	66.4	58.9	61.5	63.5	57.8
	23:05	61.7	63.7	58.4			
	23:10	59.9	62.2	57.3			
	23:15	61.9	63.1	57.4			
	23:20	61.2	63.3	57.8			
2	23:25	60.6	62.5	57.1	59.5	61.8	56.1
	23:30	61.7	63.5	56.9			
	23:35	58.9	61.7	55.9			
	23:40	58.9	61.5	56.3			
	23:45	59.0	61.8	55.7			
3	23:50	58.5	60.6	56.1	58.5	60.7	55.4
	23:55	58.8	61.4	55.7			
	0:00	58.5	61.0	55.4			
	0:05	58.9	61.5	55.5			
	0:10	57.6	60.1	55.1			
4	0:15	58.0	60.4	55.3	59.0	61.2	55.8
	0:20	59.7	61.7	55.8			
	0:25	57.7	59.7	55.5			
	0:30	58.9	61.2	56.0			
	0:35	58.3	60.4	55.8			
5	0:40	57.9	60.0	55.4	58.7	60.8	55.7
	0:45	58.4	60.6	56.0			
	0:50	61.1	64.1	55.8			
	0:55	58.6	60.9	55.7			
	1:00	58.6	61.2	55.7			
6	1:05	59.5	60.9	55.9	59.9	60.8	55.5
	1:10	59.0	61.6	55.9			
	1:15	57.7	60.0	55.3			
	1:20	58.8	61.0	56.3			
	1:25	58.2	60.1	55.1			
7	1:30	58.7	61.3	55.7	58.0	60.6	55.0
	1:35	57.8	60.4	55.2			
	1:40	58.0	60.1	55.8			
	1:45	58.9	61.9	55.5			
	1:50	63.9	60.8	55.6			
8	1:55	58.0	60.3	55.0	58.0	60.1	54.3
	2:00	57.7	59.7	55.2			
	2:05	58.1	60.8	54.6			
	2:10	57.5	60.2	54.8			
	2:15	57.7	60.5	54.8			
9	2:20	58.0	60.6	54.7	56.6	59.0	53.4
	2:25	58.9	61.5	55.6			
	2:30	60.9	62.3	55.7			
	2:35	57.5	60.4	53.9			
	2:40	57.6	60.7	54.2			
10	2:45	57.6	60.3	54.1	58.1	59.6	52.5
	2:50	56.4	58.2	54.0			
	2:55	56.5	58.6	53.7			
	3:00	56.9	59.1	54.3			
	3:05	56.0	58.0	53.3			
11	3:10	57.0	60.0	53.5	56.2	58.7	52.7
	3:15	55.6	57.3	52.7			
	3:20	57.3	59.8	53.6			
	3:25	56.8	59.7	53.0			
	3:30	59.6	58.7	52.0			
12	3:35	54.8	57.4	51.6	54.8	57.2	51.4
	3:40	56.7	59.9	52.6			
	3:45	57.1	60.0	53.0			
	3:50	59.4	59.7	53.2			
	3:55	59.0	61.7	52.6			
	4:00	56.7	59.5	52.9	54.8	57.2	51.4
	4:05	55.8	58.8	52.3			
	4:10	55.9	58.7	53.3			
	4:15	55.9	57.4	52.9			
	4:20	56.1	58.4	52.3			
	4:25	56.6	59.2	52.5	54.8	57.2	51.4
	4:30	54.6	57.6	51.2			
	4:35	55.9	59.0	52.0			
	4:40	55.8	58.8	51.9			
	4:45	54.4	56.4	50.8			
	4:50	53.5	55.6	51.5	54.8	57.2	51.4
	4:55	53.8	55.9	50.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	54.4	57.0	51.1	54.5	56.6	50.8
	5:05	53.6	55.0	51.4			
	5:10	52.5	54.1	50.2			
	5:15	54.9	57.7	50.4			
	5:20	53.7	56.0	50.8			
14	5:25	56.9	59.9	50.6	53.1	54.6	50.7
	5:30	54.7	56.7	51.2			
	5:35	52.9	54.4	51.2			
	5:40	53.5	55.1	50.7			
	5:45	52.1	53.4	50.7			
15	5:50	51.8	52.8	50.3	52.4	54.4	49.6
	5:55	53.0	55.3	50.2			
	6:00	53.1	55.2	49.8			
	6:05	51.6	53.7	48.8			
	6:10	53.2	55.5	50.0			
16	6:15	52.0	53.8	49.1	55.8	57.5	50.3
	6:20	51.6	53.5	49.1			
	6:25	52.7	54.8	50.5			
	6:30	54.6	57.6	50.6			
	6:35	52.5	53.4	50.4			
	6:40	54.7	58.2	50.6	55.8	57.5	50.3
	6:45	60.3	63.6	51.2			
	6:50	53.8	55.4	49.5			
	6:55	53.6	56.9	49.5			
				Mean	57.2	59.2	53.6
				Maximum	59.9	61.8	56.1
				Minimum	52.4	54.4	49.6



Location: dm2(Day9) Date 14/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	53.9	56.4	50.2	57.6	59.5	52.5
	23:05	59.7	62.3	55.1			
	23:10	58.3	61.3	54.5			
	23:15	58.7	60.0	52.1			
	23:20	55.8	58.0	51.3			
	23:25	56.8	59.2	51.7			
2	23:30	59.0	60.6	52.7	61.4	63.1	53.7
	23:35	59.6	61.8	53.0			
	23:40	57.5	59.9	52.3			
	23:45	63.4	65.2	53.2			
	23:50	61.4	64.5	55.6			
	23:55	63.9	66.8	55.5			
3	0:00	60.9	62.7	54.7	62.3	64.0	54.2
	0:05	63.9	67.3	54.6			
	0:10	63.7	65.9	55.4			
	0:15	60.7	61.3	53.5			
	0:20	62.1	64.5	53.9			
	0:25	61.0	62.0	52.8			
4	0:30	58.7	61.2	53.3	65.9	66.4	55.8
	0:35	61.2	62.6	53.2			
	0:40	61.6	64.8	53.4			
	0:45	61.2	62.5	53.7			
	0:50	69.1	74.3	57.8			
	0:55	70.3	72.9	63.1			
5	1:00	65.1	66.0	59.0	63.8	64.5	57.1
	1:05	63.7	65.1	60.4			
	1:10	63.0	63.7	58.4			
	1:15	63.6	64.4	58.0			
	1:20	65.7	65.7	57.2			
	1:25	58.7	62.3	49.7			
6	1:30	57.0	59.7	51.0	56.9	59.0	49.9
	1:35	60.5	63.1	56.7			
	1:40	55.2	57.1	49.9			
	1:45	55.0	58.7	46.7			
	1:50	56.1	58.5	47.7			
	1:55	54.6	57.1	47.5			
7	2:00	53.3	53.6	45.1	59.2	60.0	48.0
	2:05	61.1	61.7	47.7			
	2:10	58.8	61.5	45.8			
	2:15	60.5	63.5	48.8			
	2:20	61.1	61.1	49.7			
	2:25	55.3	58.5	50.7			
8	2:30	54.5	57.0	50.1	57.6	60.0	49.5
	2:35	58.1	60.6	50.7			
	2:40	60.3	63.4	52.5			
	2:45	57.5	60.7	47.9			
	2:50	57.8	60.4	48.5			
	2:55	54.7	57.6	47.3			
9	3:00	53.6	56.9	46.0	57.3	59.3	49.1
	3:05	56.7	59.8	48.5			
	3:10	54.9	57.4	48.3			
	3:15	56.4	59.1	48.6			
	3:20	58.2	59.5	50.6			
	3:25	60.6	63.1	52.8			
10	3:30	56.0	58.5	49.2	59.8	61.7	49.3
	3:35	57.4	59.8	49.6			
	3:40	57.7	61.0	49.3			
	3:45	58.9	61.6	50.3			
	3:50	62.6	65.1	49.2			
	3:55	62.1	63.9	48.3			
11	4:00	54.8	57.7	47.2	56.9	59.3	47.9
	4:05	58.2	59.9	47.8			
	4:10	54.4	57.2	46.7			
	4:15	54.8	57.2	47.5			
	4:20	59.1	63.1	47.7			
	4:25	57.8	60.6	50.2			
12	4:30	57.7	59.3	48.8	55.8	58.6	47.4
	4:35	55.5	58.7	48.3			
	4:40	55.1	58.6	46.2			
	4:45	54.7	58.0	48.1			
	4:50	56.9	61.6	47.2			
	4:55	53.3	55.4	45.8			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	57.7	59.1	46.3	58.6	60.8	48.1	
	5:05	57.7	59.1	46.7				
	5:10	55.6	58.9	49.0				
	5:15	56.9	59.3	47.7				
	5:20	60.8	64.1	48.0				
	5:25	60.4	64.3	50.8				
14	5:30	58.3	61.5	51.8	57.5	59.7	49.3	
	5:35	59.2	61.1	49.8				
	5:40	57.0	58.9	50.1				
	5:45	59.1	60.6	49.4				
	5:50	54.2	57.7	47.5				
	5:55	54.8	58.4	47.4				
15	6:00	55.3	59.0	47.2	55.9	59.5	47.4	
	6:05	55.1	58.9	46.0				
	6:10	55.6	59.0	47.6				
	6:15	55.6	59.5	45.5				
	6:20	57.9	61.3	49.5				
	6:25	55.5	59.1	48.6				
16	6:30	56.4	59.4	46.3	55.8	58.5	47.3	
	6:35	54.4	55.3	45.9				
	6:40	57.3	60.7	50.0				
	6:45	56.1	59.3	47.3				
	6:50	54.3	57.0	47.2				
	6:55	55.2	59.2	47.2				
					Mean	58.9	60.9	50.4
					Maximum	65.9	66.4	57.1
					Minimum	55.8	58.5	47.3



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	57.8	61.4	49.1	57.9	59.3	48.8
	23:05	54.8	57.3	48.9			
	23:10	54.9	57.5	48.4			
	23:15	54.7	56.7	48.3			
	23:20	62.6	64.4	49.0			
2	23:25	55.6	58.5	49.0	56.9	58.8	49.1
	23:30	54.7	57.6	48.9			
	23:35	55.2	58.0	48.9			
	23:40	56.1	59.3	49.5			
	23:45	56.7	59.6	49.2			
3	23:50	56.0	58.2	48.8	56.4	59.6	48.1
	23:55	60.1	60.0	49.2			
	0:00	55.3	60.0	47.7			
	0:05	55.3	57.7	47.8			
	0:10	58.6	61.5	48.6			
4	0:15	55.3	59.2	48.4	55.6	56.8	45.6
	0:20	56.5	59.5	48.3			
	0:25	56.2	59.7	47.5			
	0:30	57.1	59.6	45.8			
	0:35	56.5	57.4	47.4			
5	0:40	58.3	57.6	47.4	53.3	54.6	43.3
	0:45	54.7	58.0	46.3			
	0:50	50.1	52.8	42.3			
	0:55	52.3	55.1	44.1			
	1:00	51.3	51.8	43.5			
6	1:05	53.0	55.3	44.4	54.6	55.8	45.4
	1:10	56.0	55.8	42.5			
	1:15	50.6	53.9	43.2			
	1:20	54.6	55.2	42.8			
	1:25	51.5	55.4	43.1			
7	1:30	52.5	53.8	44.5	52.1	54.4	44.7
	1:35	51.6	54.5	43.6			
	1:40	58.7	58.6	45.9			
	1:45	54.9	57.2	49.5			
	1:50	54.0	57.0	44.8			
8	1:55	51.4	53.6	44.0	55.5	56.6	46.1
	2:00	53.6	56.3	46.0			
	2:05	49.8	52.5	43.3			
	2:10	49.6	52.7	44.7			
	2:15	53.0	56.2	44.3			
9	2:20	53.0	53.9	44.0	56.5	57.9	47.0
	2:25	52.0	54.6	45.9			
	2:30	54.6	57.1	46.7			
	2:35	53.5	56.2	46.5			
	2:40	55.5	58.3	45.9			
10	2:45	55.5	55.4	44.9	57.9	58.5	47.8
	2:50	58.5	57.0	48.1			
	2:55	52.7	55.7	44.4			
	3:00	51.9	55.0	44.7			
	3:05	52.4	55.4	46.1			
11	3:10	53.6	56.4	46.3	56.9	59.1	50.7
	3:15	57.7	60.8	47.4			
	3:20	60.9	62.5	50.2			
	3:25	54.9	57.4	47.2			
	3:30	55.2	57.7	46.3			
12	3:35	58.9	60.4	47.9	55.5	57.5	48.7
	3:40	59.2	59.7	46.6			
	3:45	60.5	58.5	46.6			
	3:50	52.9	55.7	48.1			
	3:55	56.5	59.0	51.1			
13	4:00	57.0	57.7	50.5	56.9	59.1	50.7
	4:05	57.8	58.3	51.5			
	4:10	58.2	61.5	52.0			
	4:15	55.4	58.4	50.1			
	4:20	56.2	59.7	49.6			
14	4:25	55.9	58.9	50.7	55.5	57.5	48.7
	4:30	56.3	59.2	50.8			
	4:35	55.9	58.9	50.4			
	4:40	52.8	53.9	49.0			
	4:45	56.3	59.9	50.2			
15	4:50	56.3	57.1	46.7	56.4	58.6	46.1
	4:55	54.2	56.2	45.3			
	5:00	55.9	59.7	48.6			
	5:05	56.7	59.7	49.8			
	5:10	55.2	57.5	49.3			
16	5:15	55.7	58.8	47.6	56.0	58.7	48.1
	5:20	56.4	58.1	45.5			
	5:25	55.7	58.4	47.9			
	5:30	56.0	59.7	49.3			
	5:35	53.4	56.6	48.2			
17	5:40	56.0	59.2	49.3	56.2	59.3	47.9
	5:45	57.5	61.2	48.4			
	5:50	57.9	60.1	46.5			
	5:55	55.4	59.0	45.4			
	6:00	55.8	58.8	45.8			
18	6:05	55.7	60.0	47.6	55.1	58.6	46.1
	6:10	54.1	57.9	45.7			
	6:15	54.5	56.8	44.4			
	6:20	54.8	58.8	46.7			
	6:25	55.2	59.4	46.6			
19	6:30	56.8	60.9	46.0	56.8	59.5	46.9
	6:35	58.7	62.8	48.8			
	6:40	56.3	60.1	47.0			
	6:45	58.5	59.8	48.1			
	6:50	53.5	56.8	45.7			
6:55	54.0	56.6	45.8				
		Mean	55.8	57.8	47.1		
		Maximum	57.9	59.6	50.7		
		Minimum	52.1	54.4	43.3		

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	55.9	59.7	48.6	56.0	58.7	48.1
	5:05	56.7	59.7	49.8			
	5:10	55.2	57.5	49.3			
	5:15	55.7	58.8	47.6			
	5:20	56.4	58.1	45.5			
14	5:25	55.7	58.4	47.9	56.2	59.3	47.9
	5:30	56.0	59.7	49.3			
	5:35	53.4	56.6	48.2			
	5:40	56.0	59.2	49.3			
	5:45	57.5	61.2	48.4			
15	5:50	57.9	60.1	46.5	55.1	58.6	46.1
	5:55	55.4	59.0	45.4			
	6:00	55.8	58.8	45.8			
	6:05	55.7	60.0	47.6			
	6:10	54.1	57.9	45.7			
16	6:15	54.5	56.8	44.4	56.8	59.5	46.9
	6:20	54.8	58.8	46.7			
	6:25	55.2	59.4	46.6			
	6:30	56.8	60.9	46.0			
	6:35	58.7	62.8	48.8			
17	6:40	56.3	60.1	47.0	56.8	59.5	46.9
	6:45	58.5	59.8	48.1			
	6:50	53.5	56.8	45.7			
	6:55	54.0	56.6	45.8			
			Mean	55.8			
		Maximum	57.9	59.6	50.7		
		Minimum	52.1	54.4	43.3		



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	56.9	59.7	43.1	60.0	61.7	45.9
	23:05	58.4	59.5	44.1			
	23:10	59.0	62.4	45.4			
	23:15	59.5	60.8	45.7			
	23:20	60.2	61.9	45.8			
	23:25	63.2	65.8	51.1			
2	23:30	56.6	58.1	49.1	59.7	61.2	49.1
	23:35	61.5	61.8	48.5			
	23:40	61.2	62.2	49.2			
	23:45	58.3	61.7	49.2			
	23:50	58.8	61.4	49.5			
	23:55	59.8	62.0	48.8			
3	0:00	59.1	61.3	56.9	59.3	61.5	56.9
	0:05	59.3	61.4	57.1			
	0:10	59.5	61.6	57.0			
	0:15	58.8	61.3	56.4			
	0:20	59.1	61.3	56.9			
	0:25	59.8	62.1	57.2			
4	0:30	59.4	61.6	57.0	59.5	61.6	56.7
	0:35	59.8	62.6	56.2			
	0:40	59.1	61.2	56.4			
	0:45	60.2	61.9	56.5			
	0:50	59.5	61.7	57.5			
	0:55	59.0	60.5	56.7			
5	1:00	58.8	60.4	57.1	60.3	62.2	57.2
	1:05	62.6	64.6	56.9			
	1:10	59.6	61.8	57.2			
	1:15	60.2	62.3	57.6			
	1:20	59.8	62.2	57.0			
	1:25	59.5	61.8	57.2			
6	1:30	59.4	61.7	56.7	59.5	61.5	56.9
	1:35	59.6	61.8	56.7			
	1:40	59.2	61.1	56.9			
	1:45	58.9	60.7	57.1			
	1:50	59.3	61.3	56.9			
	1:55	60.4	62.2	57.3			
7	2:00	59.0	60.8	56.9	60.0	61.8	57.5
	2:05	59.8	62.0	57.1			
	2:10	59.2	60.6	57.2			
	2:15	60.4	62.2	58.2			
	2:20	61.2	63.3	58.2			
	2:25	60.2	62.1	57.3			
8	2:30	59.2	61.6	56.3	58.6	60.8	55.6
	2:35	59.1	61.4	55.9			
	2:40	59.0	61.1	55.6			
	2:45	58.0	59.6	55.2			
	2:50	58.2	60.9	55.2			
	2:55	57.9	60.2	55.3			
9	3:00	60.6	62.8	56.3	58.6	60.9	55.5
	3:05	58.2	60.7	55.3			
	3:10	57.9	60.4	55.3			
	3:15	58.1	60.4	55.7			
	3:20	58.6	61.2	55.0			
	3:25	57.7	59.8	55.1			
10	3:30	58.0	60.8	54.8	58.7	61.2	55.4
	3:35	58.8	61.6	55.3			
	3:40	58.3	60.9	55.0			
	3:45	58.9	61.1	55.9			
	3:50	58.7	60.8	55.6			
	3:55	59.3	61.9	55.6			
11	4:00	59.4	61.9	56.2	59.0	61.1	56.3
	4:05	58.1	60.2	55.4			
	4:10	58.6	60.3	56.0			
	4:15	59.3	61.5	56.8			
	4:20	58.8	61.0	56.9			
	4:25	59.4	61.8	56.3			
12	4:30	58.8	61.4	55.1	57.9	60.6	54.7
	4:35	57.4	59.8	55.1			
	4:40	58.0	61.0	54.2			
	4:45	58.3	61.3	54.4			
	4:50	57.5	59.9	54.9			
	4:55	57.3	60.0	54.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
13	5:00	58.0	60.9	54.5	57.6	59.3	53.7
	5:05	59.2	59.4	53.8			
	5:10	57.5	58.7	53.9			
	5:15	56.5	59.0	53.4			
	5:20	56.6	58.6	53.5			
	5:25	56.9	59.4	53.1			
14	5:30	56.4	58.9	53.1	55.0	56.9	51.6
	5:35	57.0	59.5	53.7			
	5:40	53.7	55.9	49.6			
	5:45	53.6	55.6	50.9			
	5:50	53.9	55.7	51.5			
	5:55	54.0	56.0	50.6			
15	6:00	56.6	60.4	51.3	55.2	57.5	51.0
	6:05	55.9	59.4	51.1			
	6:10	56.0	59.0	50.5			
	6:15	54.8	56.8	51.5			
	6:20	53.0	54.5	50.5			
	6:25	53.8	55.0	50.9			
16	6:30	55.0	57.7	51.4	54.2	56.3	50.5
	6:35	54.2	55.7	51.2			
	6:40	55.7	59.1	50.8			
	6:45	53.4	54.9	50.2			
	6:50	54.1	57.5	50.1			
	6:55	51.7	53.1	49.5			
		Mean	58.3	60.4	54.0		
		Maximum	60.3	62.2	57.5		
		Minimum	54.2	56.3	49.1		



Location: dm2(Day12) Date 17/7/2021

Time Period: From 07:00hr to 19:00hr

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	62.7	64.6	59.1	60.9	62.7	57.4
	23:05	61.3	63.2	58.7			
	23:10	59.6	61.7	57.3			
	23:15	61.5	63.5	56.1			
	23:20	58.9	61.2	56.1			
	23:25	60.1	62.1	57.3			
2	23:30	61.3	63.3	56.2	59.7	61.7	56.1
	23:35	60.0	62.4	56.4			
	23:40	60.2	62.2	56.5			
	23:45	58.9	61.0	56.0			
	23:50	58.4	60.4	56.1			
	23:55	58.4	60.7	55.5			
3	0:00	59.2	61.6	56.3	58.6	60.8	55.6
	0:05	59.1	61.4	55.9			
	0:10	59.0	61.1	55.6			
	0:15	58.0	59.6	55.2			
	0:20	58.2	60.9	55.2			
	0:25	57.9	60.2	55.3			
4	0:30	60.6	62.8	56.3	58.6	60.9	55.5
	0:35	58.2	60.7	55.3			
	0:40	57.9	60.4	55.3			
	0:45	58.1	60.4	55.7			
	0:50	58.6	61.2	55.0			
	0:55	57.7	59.8	55.1			
5	1:00	58.0	60.8	54.8	58.7	61.2	55.4
	1:05	58.8	61.6	55.3			
	1:10	58.3	60.9	55.0			
	1:15	58.9	61.1	55.9			
	1:20	58.7	60.8	55.6			
	1:25	59.3	61.9	55.6			
6	1:30	59.4	61.9	56.2	59.0	61.1	56.3
	1:35	58.1	60.2	55.4			
	1:40	58.6	60.3	56.0			
	1:45	59.3	61.5	56.8			
	1:50	58.8	61.0	56.9			
	1:55	59.4	61.8	56.3			
7	2:00	58.8	61.4	55.1	57.9	60.6	54.7
	2:05	57.4	59.8	55.1			
	2:10	58.0	61.0	54.2			
	2:15	58.3	61.3	54.4			
	2:20	57.5	59.9	54.9			
	2:25	57.3	60.0	54.4			
8	2:30	58.0	60.9	54.5	57.6	59.3	53.7
	2:35	59.2	59.4	53.8			
	2:40	57.5	58.7	53.9			
	2:45	56.5	59.0	53.4			
	2:50	56.6	58.6	53.5			
	2:55	56.9	59.4	53.1			
9	3:00	56.4	58.9	53.1	57.3	59.6	53.6
	3:05	57.0	59.5	53.7			
	3:10	58.0	60.9	53.8			
	3:15	58.7	60.6	54.4			
	3:20	55.9	58.3	52.8			
	3:25	56.8	59.4	53.7			
10	3:30	56.1	58.3	53.2	57.2	59.0	52.3
	3:35	56.0	58.1	52.1			
	3:40	56.3	58.9	51.7			
	3:45	59.4	60.4	52.6			
	3:50	57.8	60.5	52.7			
	3:55	56.3	57.9	51.4			
11	4:00	55.5	58.1	52.8	55.0	57.5	51.7
	4:05	55.6	58.3	52.2			
	4:10	55.2	57.8	52.0			
	4:15	55.0	57.2	51.4			
	4:20	54.3	56.1	51.3			
	4:25	54.6	57.7	50.5			
12	4:30	54.7	56.9	51.4	54.7	56.9	51.2
	4:35	54.1	57.0	50.6			
	4:40	55.1	57.5	51.0			
	4:45	54.8	56.7	51.4			
	4:50	54.5	56.2	51.5			
	4:55	55.1	57.0	51.4			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	53.4	55.0	50.3	54.4	56.6	51.0	
	5:05	54.2	55.9	51.9				
	5:10	54.0	55.9	51.1				
	5:15	55.8	59.1	51.3				
	5:20	53.1	55.2	49.8				
	5:25	55.4	58.4	51.8				
14	5:30	52.7	54.9	49.8	53.8	56.4	49.8	
	5:35	51.1	52.7	48.3				
	5:40	53.9	57.0	49.2				
	5:45	53.1	55.8	49.7				
	5:50	55.6	59.5	50.2				
	5:55	55.1	58.4	51.8				
15	6:00	54.6	57.5	51.1	54.2	57.1	50.6	
	6:05	54.0	56.6	51.1				
	6:10	54.7	58.1	51.4				
	6:15	53.3	55.7	49.7				
	6:20	53.9	56.6	49.9				
	6:25	54.3	58.0	50.1				
16	6:30	53.3	56.2	49.0	54.7	56.6	49.5	
	6:35	52.9	55.2	49.2				
	6:40	53.7	56.8	49.1				
	6:45	58.8	61.4	50.6				
	6:50	52.4	54.9	49.2				
	6:55	52.6	54.8	49.8				
					Mean	57.0	59.2	53.4
					Maximum	59.7	61.7	56.3
					Minimum	53.8	56.4	49.5



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	62.9	65.9	58.8	60.8	62.9	57.3
	23:05	60.5	63.0	58.1			
	23:10	61.0	62.3	57.8			
	23:15	60.9	62.8	56.9			
	23:20	60.0	62.2	56.1			
	23:25	58.6	61.0	55.8			
2	23:30	61.3	63.6	55.9	59.0	61.2	55.6
	23:35	58.0	59.8	55.7			
	23:40	58.1	60.9	55.1			
	23:45	58.5	60.7	55.8			
	23:50	58.5	60.9	55.7			
	23:55	58.5	61.1	55.3			
3	0:00	58.5	61.1	55.0	58.4	60.8	55.2
	0:05	59.4	61.8	56.0			
	0:10	57.8	60.6	55.0			
	0:15	57.8	59.7	55.5			
	0:20	59.0	60.7	54.9			
	0:25	57.7	60.8	54.9			
4	0:30	57.8	60.6	54.6	58.3	60.7	54.9
	0:35	58.6	61.0	55.3			
	0:40	57.6	60.5	54.5			
	0:45	57.4	59.7	54.6			
	0:50	59.3	61.1	55.3			
	0:55	58.8	61.5	55.2			
5	1:00	57.7	60.5	54.2	58.1	60.7	54.8
	1:05	58.8	61.3	55.1			
	1:10	57.5	60.4	54.4			
	1:15	58.6	61.3	54.9			
	1:20	57.6	59.7	55.0			
	1:25	58.0	60.8	55.1			
6	1:30	58.1	60.5	55.2	58.2	60.4	55.2
	1:35	58.0	60.6	55.2			
	1:40	57.7	59.8	55.2			
	1:45	57.8	60.4	55.0			
	1:50	57.8	60.0	55.6			
	1:55	59.3	61.2	54.9			
7	2:00	57.2	59.7	54.3	57.8	60.0	54.8
	2:05	59.2	61.2	55.7			
	2:10	57.8	60.5	54.7			
	2:15	56.9	58.9	54.3			
	2:20	57.1	59.3	54.4			
	2:25	58.0	60.2	55.1			
8	2:30	58.4	60.5	55.1	58.0	60.8	54.1
	2:35	58.6	61.7	53.8			
	2:40	57.7	60.8	54.3			
	2:45	57.4	60.3	54.0			
	2:50	58.1	61.2	54.0			
	2:55	57.5	60.5	53.2			
9	3:00	57.0	59.1	54.5	56.5	58.9	53.6
	3:05	56.5	58.8	53.6			
	3:10	56.5	59.3	52.9			
	3:15	55.4	57.2	52.9			
	3:20	56.4	59.2	53.1			
	3:25	57.3	60.0	54.4			
10	3:30	59.1	62.6	53.7	57.2	60.2	52.8
	3:35	57.7	60.8	54.0			
	3:40	56.3	58.8	52.7			
	3:45	57.3	60.7	51.9			
	3:50	56.3	59.3	52.3			
	3:55	55.8	58.7	52.1			
11	4:00	59.6	60.3	53.4	56.9	58.5	53.1
	4:05	56.3	58.7	53.5			
	4:10	56.0	58.1	52.9			
	4:15	56.1	58.5	53.4			
	4:20	55.2	56.1	52.4			
	4:25	56.5	59.0	52.8			
12	4:30	56.4	59.5	51.7	56.1	58.9	52.4
	4:35	56.0	58.6	52.3			
	4:40	55.7	58.3	52.7			
	4:45	56.0	58.4	52.5			
	4:50	56.9	59.5	53.3			
	4:55	55.7	58.9	51.9			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	54.1	56.1	51.2	54.2	56.0	51.0	
	5:05	53.3	55.0	50.4				
	5:10	54.1	56.7	51.1				
	5:15	54.9	57.3	51.6				
	5:20	55.1	55.4	50.9				
	5:25	53.6	55.4	51.0				
14	5:30	53.6	55.8	51.0	53.2	55.3	50.5	
	5:35	52.8	55.2	49.8				
	5:40	53.4	54.6	51.1				
	5:45	53.2	55.6	49.9				
	5:50	52.8	55.0	50.1				
	5:55	53.4	55.6	50.9				
15	6:00	53.5	55.8	50.1	53.4	55.3	50.3	
	6:05	53.9	55.4	50.9				
	6:10	53.5	55.8	49.8				
	6:15	52.6	54.3	49.8				
	6:20	54.1	56.6	50.5				
	6:25	52.7	53.9	50.6				
16	6:30	53.8	56.4	50.3	55.0	56.9	49.9	
	6:35	52.8	55.6	48.8				
	6:40	52.7	54.9	49.2				
	6:45	58.4	60.1	49.9				
	6:50	54.1	56.7	50.6				
	6:55	55.3	57.8	50.8				
					Mean	56.9	59.2	53.5
					Maximum	59.0	61.2	55.6
					Minimum	53.2	55.3	49.9



Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)
1	23:00	60.4	61.8	58.8	60.4	62.1	58.3
	23:05	61.4	62.8	59.3			
	23:10	61.1	62.9	58.4			
	23:15	60.0	61.9	57.9			
	23:20	59.7	61.5	57.6			
	23:25	59.7	61.4	57.5			
2	23:30	60.3	62.4	58.0	59.8	61.6	57.3
	23:35	59.4	61.2	57.5			
	23:40	59.4	61.5	57.4			
	23:45	58.8	60.5	56.5			
	23:50	61.0	62.7	57.3			
	23:55	59.4	61.3	57.0			
3	0:00	59.1	61.3	56.9	59.3	61.5	56.9
	0:05	59.3	61.4	57.1			
	0:10	59.5	61.6	57.0			
	0:15	58.8	61.3	56.4			
	0:20	59.1	61.3	56.9			
	0:25	59.8	62.1	57.2			
4	0:30	59.4	61.6	57.0	59.5	61.6	56.7
	0:35	59.8	62.6	56.2			
	0:40	59.1	61.2	56.4			
	0:45	60.2	61.9	56.5			
	0:50	59.5	61.7	57.5			
	0:55	59.0	60.5	56.7			
5	1:00	58.8	60.4	57.1	60.3	62.2	57.2
	1:05	62.6	64.6	56.9			
	1:10	59.6	61.8	57.2			
	1:15	60.2	62.3	57.6			
	1:20	59.8	62.2	57.0			
	1:25	59.5	61.8	57.2			
6	1:30	59.4	61.7	56.7	59.5	61.5	56.9
	1:35	59.6	61.8	56.7			
	1:40	59.2	61.1	56.9			
	1:45	58.9	60.7	57.1			
	1:50	59.3	61.3	56.9			
	1:55	60.4	62.2	57.3			
7	2:00	59.0	60.8	56.9	60.0	61.8	57.5
	2:05	59.8	62.0	57.1			
	2:10	59.2	60.6	57.2			
	2:15	60.4	62.2	58.2			
	2:20	61.2	63.3	58.2			
	2:25	60.2	62.1	57.3			
8	2:30	59.5	60.8	57.4	59.7	60.9	56.4
	2:35	62.7	63.1	56.9			
	2:40	59.0	61.2	56.5			
	2:45	58.7	60.6	56.3			
	2:50	57.8	59.5	55.8			
	2:55	58.2	60.4	55.6			
9	3:00	59.1	61.2	56.2	71.0	66.6	59.1
	3:05	58.3	60.6	55.0			
	3:10	58.3	60.4	55.0			
	3:15	58.8	61.0	56.6			
	3:20	75.0	78.0	59.3			
	3:25	76.2	78.1	72.7			
10	3:30	75.6	76.9	72.2	70.2	69.0	63.8
	3:35	72.1	74.8	65.8			
	3:40	66.1	67.6	64.2			
	3:45	64.1	65.7	61.8			
	3:50	62.1	64.2	59.6			
	3:55	62.1	64.5	59.3			
11	4:00	60.5	61.8	58.7	59.7	61.4	57.1
	4:05	59.8	61.9	57.3			
	4:10	59.1	61.2	57.1			
	4:15	58.4	60.0	56.4			
	4:20	60.8	62.4	56.7			
	4:25	58.9	60.9	56.2			
12	4:30	58.0	60.2	55.2	65.8	62.9	54.9
	4:35	59.4	61.9	55.7			
	4:40	66.9	65.3	54.5			
	4:45	70.4	67.0	55.5			
	4:50	60.2	59.9	54.5			
	4:55	66.1	63.1	54.1			

Peroid	Time	L _{eq} (5min)	L ₁₀ (5min)	L ₉₀ (5min)	L _{eq} (30min)	L ₁₀ (Average)	L ₉₀ (Average)	
13	5:00	58.7	60.3	55.0	59.2	61.0	54.1	
	5:05	57.8	61.9	52.7				
	5:10	62.0	61.6	53.6				
	5:15	59.3	63.1	54.7				
	5:20	56.5	58.6	54.0				
	5:25	59.0	60.7	54.6				
14	5:30	57.4	60.5	53.9	57.4	59.7	53.4	
	5:35	57.9	60.0	54.3				
	5:40	55.8	57.6	53.0				
	5:45	56.8	59.5	52.9				
	5:50	57.6	59.9	53.3				
	5:55	58.2	60.5	52.8				
15	6:00	55.8	58.2	53.0	55.6	57.7	52.8	
	6:05	55.3	57.4	52.1				
	6:10	55.3	57.1	52.7				
	6:15	55.3	56.7	52.9				
	6:20	55.9	58.5	52.9				
	6:25	55.7	58.1	53.0				
16	6:30	56.5	59.0	53.3	57.8	60.5	52.8	
	6:35	58.1	61.5	53.7				
	6:40	57.1	60.1	53.1				
	6:45	60.1	63.3	52.6				
	6:50	55.9	58.4	51.4				
	6:55	57.5	60.4	52.8				
					Mean	60.9	62.0	56.6
					Maximum	71.0	69.0	63.8
					Minimum	55.6	57.7	52.8



Appendix D

Construction Programmes of the Project

