

# Civil Engineering and Development Department

## Contract No. KLN/2013/16 Environmental Monitoring Works at Kai Tak Development

Baseline Noise Monitoring Report  
for Noise Monitoring Station M10

May 2014  
(Version 1.2)

|             |   |
|-------------|---|
| Approved By | <br>(Environmental Team Leader) |
|-------------|---|

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

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## EXECUTIVE SUMMARY

1. This Baseline Noise Monitoring Report is prepared by Cinotech Consultants Ltd. for the Project “Environmental Monitoring Works for Kai Tak Development”. This report presents the baseline noise monitoring works performed at Tak Long Estate (M10) between 13<sup>th</sup> March 2014 and 1<sup>st</sup> April 2014. In order to collect sufficient baseline noise data, the noise monitoring was extended to 1<sup>st</sup> April 2014 after the completion of 14 consecutive days monitoring period on 27<sup>th</sup> March 2014.
2. The baseline noise monitoring works for parameters of construction noise conducted at the planned Noise Monitoring Station M10 – Tak Long Estate are presented in **Table I**.

**Table I Baseline Noise Monitoring Period**

| Designated Monitoring Station in EM&A Manual | Baseline Monitoring Period |
|--|----------------------------|
| M10 - Tak Long Estate                        | 13/3/2014 – 1/4/2014       |

3. Noise levels at the designated monitoring station were measured continuously for 24 hours for a period of 14 consecutive days. Monitoring data collected was reviewed and analyzed. Details of the locations and results are presented in this report. The baseline noise monitoring data was processed according to the following periods:
  - Daytime: 0700-1900 hrs on normal weekdays
  - Evening-time: 1900-2300 hrs
  - Holiday-time: 0700-1900 hrs on holidays
  - Night-time: 2300-0700 hrs of next day

## 1 INTRODUCTION

### Background

- 1.1 The Kai Tak Development (KTD) is located in the south-eastern part of Kowloon Peninsula, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. It covers a land area of about 328 hectares. The Project also covers Kowloon Bay and Kwun Tong Typhoon Shelter and the adjacent water bodies.
- 1.2 The general layout plan of the Project is shown in **Figure 1**.
- 1.3 Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) study for KTD under Agreement No. CE 35/2006(CE) Kai Tak Development Engineering Study cum Design and Construction of Advance Works – Investigation, Design and Construction (hereafter called “Schedule 3 EIA Report”). The Schedule 3 EIA Report was approved under Environmental Impact Assessment Ordinance (EIAO) in March 2009. As recommended in the Schedule 3 EIA Report, EM&A programme shall be required for different phases of the KTD as a whole.
- 1.4 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the EM&A works for KTD. This Baseline Noise Monitoring Report is prepared by Cinotech in accordance with the Schedule 3 EM&A Manual.

### Purposes of the Report

- 1.5 The purpose of this Baseline Noise Monitoring Report is to establish baseline level for noise at monitoring station M10. The baseline level will be used as the basis for compliance checking during the construction stage of the Project. This Report presents the locations, equipment, period, methodology, results and observations for the noise monitoring during the baseline period.

### Structure of the Report

- 1.6 This Baseline Noise Monitoring Report comprises the following sections:
  - Section 1: Introduction, purpose, background and the structure of the report.
  - Section 2: Noise, which describes the baseline noise monitoring.
  - Section 3: Conclusions

## 2 NOISE MONITORING

### Monitoring Requirements

- 2.1 In accordance with the Schedule 3 EM&A Manual, baseline monitoring shall be carried out daily for a period of at least 14 consecutive days at the designated monitoring stations. The noise levels shall be measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ).

### Monitoring Location

- 2.2 The location of the monitoring station is tabulated in **Table 2.1** and illustrated in **Figure 2.**

**Table 2.1 Location of Baseline Noise Monitoring Station**

| Noise Monitoring Station | Description     | Location of Measurement  |
|--------------------------|-----------------|--------------------------|
| M10                      | Tak Long Estate | 2/F (Façade Measurement) |

### Monitoring Equipment

- 2.3 Integrating Sound Level Meter was used for noise monitoring. The meter is a Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level ( $L_x$ ) and also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. **Table 2.2** summarises the noise monitoring equipment would be used. Copies of calibration certificates are attached in **Appendix A**.

**Table 2.2 Noise Monitoring Equipment**

| Equipment                     | Brand and Model | Quantity |
|-------------------------------|-----------------|----------|
| Integrating Sound Level Meter | SVAN 957        | 1        |
| Calibrator                    | SVAN 30A        | 1        |

### Monitoring Parameters, Frequency and Duration

- 2.4 In accordance with the Schedule 3 EM&A Manual, baseline noise for the A-weighted levels  $L_{eq}$ ,  $L_{10}$  and  $L_{90}$  was recorded. Data obtained from the baseline noise monitoring was processed and presented according to the following periods:
- Daytime: 0700-1900 hrs on normal weekdays
  - Evening-time: 1900-2300 hrs
  - Holiday-time: 0700-1900 hrs on holidays
  - Night-time: 2300-0700 hrs of next day

2.5 The frequency and parameters of noise measurement are presented in **Table 2.3**.

**Table 2.3 Frequency and Parameters of Noise Monitoring**

| Noise Monitoring Station | Description     | Time Period  | Duration, min                                     | Parameter                      |
|--------------------------|-----------------|--|---|--------------------------------|
| M10                      | Tak Long Estate | Daytime on normal weekdays (0700-1900 hrs)   | 30 min (average of 6 consecutive $L_{eq(5min)}$ ) | $L_{eq}$ , $L_{10}$ & $L_{90}$ |
|                          |                 | Evening time on all days (1900-2300 hrs) and Holidays (including Sundays) during daytime and evening (0700-1900 hrs) | 5 min   |                                |
|                          |                 | All days during the night-time (2300-0700 hrs)   |   |                                |

#### Monitoring Methodology and QA/QC Procedures

2.6 **Table 2.4** summarizes the types of measurement undertaken in the one monitoring stations.

**Table 2.4 Type of Measurement**

| Monitoring Station | Measurement        |
|--------------------|--------------------|
| M10                | Façade measurement |

2.7 The air temperature, precipitation and the relative humidity data was obtained from Hong Kong Observatory and presented in **Appendix D**.

#### Field Monitoring

2.8 The monitoring procedures are as follows:

- The microphone head of the head level meter was normally positioned 1m exterior of the noise sensitive facade and lowered sufficiently so that the building's external wall acts as a reflecting surface.
- For free field measurement, the meter was positioned away from any nearby reflective surfaces. All records for free field noise levels will be adjusted with a correction of +3 dB(A).
- The battery condition was checked to ensure good functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - frequency weighting : A
  - time weighting : Fast
  - measurement time : 5 minutes ( $L_{eq(30-min)}$ ) would be determined for daytime noise by calculating the logarithmic average of six  $L_{eq(5min)}$  data.)

- Prior to and after noise measurement, the meter was calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.
- Noise monitoring was carried out continuously for 24 hours during the baseline monitoring period. Monitoring data was recorded and stored automatically within the sound level meter system. At the end of the monitoring period, noise levels in term of  $L_{eq}$ ,  $L_{90}$  and  $L_{10}$  were recorded. In addition, site conditions and noise sources were recorded when the equipment were checked and inspected every two days.
- All the monitoring data within the sound level meter system was downloaded through the computer software, and all these data was checked and reviewed within the computer.

#### *Maintenance and Calibration*

- The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- The sound level meter and calibrator were checked and calibrated at yearly intervals.
- Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

### **Results and Observations**

- 2.9 The baseline noise monitoring was conducted between 13 March 2014 and 1 April 2014. The monitoring schedule is presented in **Appendix B**. Based on the on-site observation during the monitoring, there were a number of factors which may affect the monitoring results:
- Construction noise from nearby on-going construction works in Kai Tak Development Area, e.g. District Cooling System Works (1017EM10), Proposed Residential Development at Kai Tak 1H1 and 1H2 (NKIL6516&6517);
  - Nearby traffic.
- 2.10 In order to collect a representative baseline noise monitoring result for the Project, reference was made from all noise monitoring results during the lunch hour period (12:00 – 13:00) which is considered no major construction works were conducted under the Project. The summary of noise monitoring results during lunch hour is shown in **Table 2.5**.

**Table 2.5 Summary of Noise Monitoring Results during Lunch Hour**

| Lunch Hour<br>(12:00 - 13:00) | Range of Noise Level, dB(A) |      |      |                    |      |      |                    |      |      |
|-------------------------------|-----------------------------|------|------|--------------------|------|------|--------------------|------|------|
|                               | $L_{eq}$ (30 min)           |      |      | $L_{10}$ (average) |      |      | $L_{90}$ (average) |      |      |
|                               | Mean                        | Max  | Min  | Mean               | Max  | Min  | Mean               | Max  | Min  |
| M10                           | 59.0                        | 61.6 | 57.3 | 60.6               | 63.6 | 58.8 | 56.4               | 58.5 | 55.0 |

- 2.11 According to table above, the noise monitoring results which measured during the period without major construction works of the Project are ranged from 57.3dB(A) to 61.6dB(A). Therefore, daytime noise data ( $L_{eq(30min)}$ ) for normal weekdays which higher than 61.6dB(A) (highlighted in yellow in **Appendix C**) is proposed to be excluded for calculating the average of  $L_{eq(30min)}$  during the daytime for normal weekdays.
- 2.12 The baseline noise monitoring results are summarized in **Tables 2.6 to 2.8**. Detailed noise monitoring results and graphical presentation are presented in **Appendix C**.

**Table 2.6 Summary of Daytime Noise Monitoring Results (Normal Weekdays)**

| Daytime<br><b>0700-1900 hrs on<br/>normal weekdays</b> | Range of Noise Level, dB(A) |      |      |                    |      |      |                    |      |      |
|--|-----------------------------|------|------|--------------------|------|------|--------------------|------|------|
|  | $L_{eq(30 min)}$            |      |      | $L_{10}$ (average) |      |      | $L_{90}$ (average) |      |      |
|  | Mean                        | Max  | Min  | Mean               | Max  | Min  | Mean               | Max  | Min  |
| M10  | 59.9                        | 61.6 | 54.6 | 61.6               | 64.2 | 56.1 | 57.3               | 59.3 | 52.0 |

**Table 2.7 Summary of Evening-Time & Daytime (Holidays) Noise Monitoring Results**

| Evening-time<br><b>1900-2300 hrs on<br/>all days &amp; Daytime<br/>0700-1900 hrs on<br/>holidays</b> | Range of Noise Level, dB(A) |      |      |                 |      |      |                 |      |      |
|--|-----------------------------|------|------|-----------------|------|------|-----------------|------|------|
|  | $L_{eq(5 min)}$             |      |      | $L_{10}(5 min)$ |      |      | $L_{90}(5 min)$ |      |      |
|  | Mean                        | Max  | Min  | Mean            | Max  | Min  | Mean            | Max  | Min  |
| M10  | 58.5                        | 82.5 | 52.5 | 58.0            | 80.7 | 53.6 | 53.6            | 67.6 | 50.3 |

**Table 2.8 Summary of Night-Time Noise Monitoring Results**

| Night-time<br><b>2300-0700 hrs of the<br/>next day</b> | Range of Noise Level, dB(A) |      |      |                 |      |      |                 |      |      |
|--|-----------------------------|------|------|-----------------|------|------|-----------------|------|------|
|  | $L_{eq(5 min)}$             |      |      | $L_{10}(5 min)$ |      |      | $L_{90}(5 min)$ |      |      |
|  | Mean                        | Max  | Min  | Mean            | Max  | Min  | Mean            | Max  | Min  |
| M10  | 52.2                        | 69.0 | 48.1 | 53.2            | 70.1 | 49.4 | 49.8            | 67.5 | 46.4 |

**Action and Limit Levels**

- 2.13 The Action and Limit Levels of noise monitoring have been set as shown in **Table 2.8**.

**Table 2.8 Criteria for Action and Limit Levels for Construction Noise**

| Monitoring Location      | Time Period                                | Action Level   | Limit Level |
|--------------------------|--|--|-------------|
| Tak Long Estate<br>(M10) | 0700 - 1900<br>hours on normal<br>weekdays | When one<br>documented<br>valid complaint is<br>received | 75 dB(A)    |

### **3 REVISIONS FOR INCLUSION IN THE EM&A MANUAL**

- 3.1 The baseline noise monitoring was conducted according to the Schedule 3 EM&A Manual for noise.
- 3.2 The monitoring methodology, parameters monitored, and monitoring locations are all in line with the Schedule 3 EM&A Manual.

### **4 CONCLUSIONS**

#### Baseline Noise Monitoring

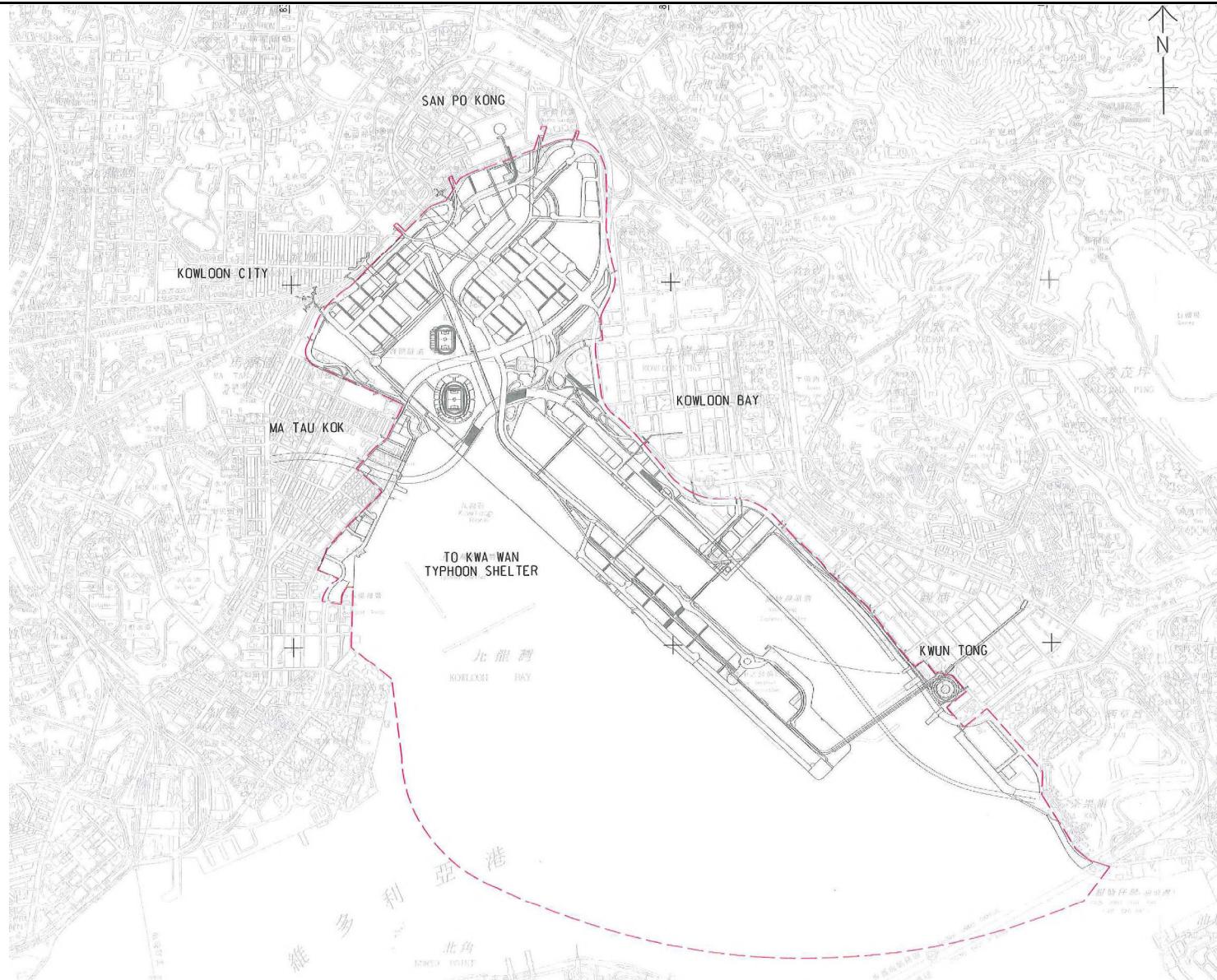
- 4.1 The baseline noise monitoring was conducted between 13 March 2014 and 1 April 2014 at monitoring station M10 – Tak Long Estate. Results of the monitoring will be used as the reference during the construction stage of the Project.

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**FIGURE**

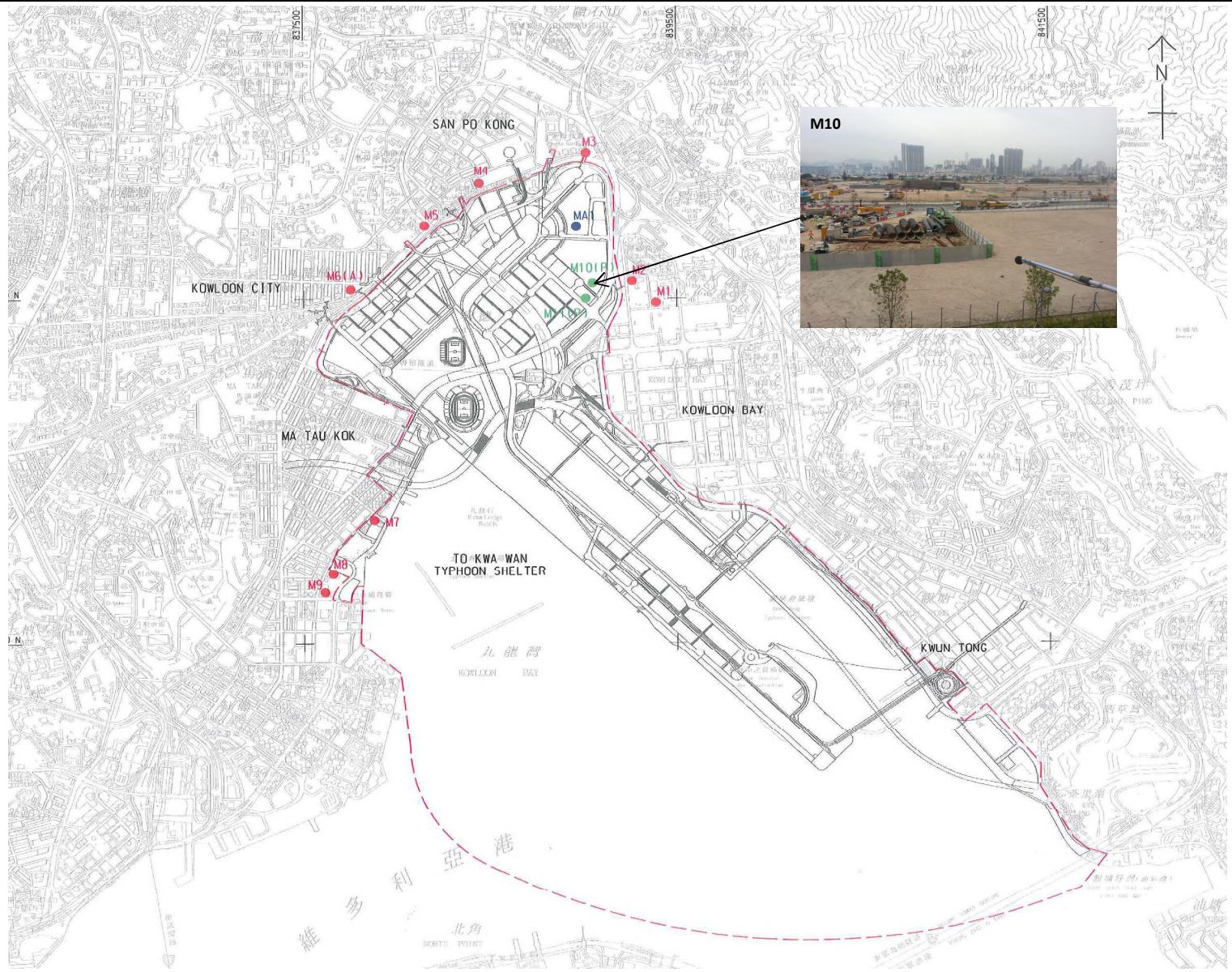
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Title                          Contract No. KLN/2013/16  
Environmental Monitoring Works for Kai Tak Development  
Site Layout Plan

|                |                           |
|----------------|---------------------------|
| Scale<br>N.T.S | Project<br>No.<br>MA14008 |
| Date<br>Jan-14 | Figure<br>1               |

**CINOTECH**



Title

Contract No. KLN/2013/16  
Environmental Monitoring Works for Kai Tak Development

Location of Noise Monitoring Stations

Scale

N.T.S

Project  
No. MA14008

Date

Apr-14

Figure

2

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**APPENDIX A**  
**CALIBRATION CERTIFICATES FOR**  
**MONITORING EQUIPMENTS**

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## TEST REPORT

**APPLICANT:** Cinotech Consultants Limited  
Room 1710, Technology Park,  
18 On Lai Street,  
Shatin, NT, Hong Kong

|                  |              |
|------------------|--------------|
| Test Report No.: | C/N/131129/3 |
| Date of Issue:   | 2013-11-30   |
| Date Received:   | 2013-11-29   |
| Date Tested:     | 2013-11-29   |
| Date Completed:  | 2013-11-30   |
| Next Due Date:   | 2014-11-29   |

**ATTN:** Mr. W.K. Tang

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### Certificate of Calibration

#### Item for calibration:

|                |   |
|----------------|---|
| Description    | : 'SVANTEK' Integrating Sound Level Meter |
| Manufacturer   | : SVANTEK                                 |
| Model No.      | : SVAN 957                                |
| Serial No.     | : 23851                                   |
| Microphone No. | : 48532                                   |
| Equipment No.  | : N-08-12                                 |

#### Test conditions:

|                   |                     |
|-------------------|---------------------|
| Room Temperatre   | : 19 degree Celsius |
| Relative Humidity | : 57%               |

#### Test Specifications:

Performance checking at 94 and 114 dB

#### Methodology:

In-house method, according to manufacturer instruction manual

#### Results:

| Reference Set Point, dB | Instrument Readings, dB |
|-------------------------|-------------------------|
| 94                      | 94.0                    |
| 114                     | 114.0                   |

#### PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**

  
**PATRICK TSE**  
*Laboratory Manager*

## TEST REPORT

**APPLICANT:** Cinotech Consultants Limited  
Room 1710, Technology Park,  
18 On Lai Street,  
Shatin, NT, Hong Kong

|                  |              |
|------------------|--------------|
| Test Report No.: | C/N/131004/2 |
| Date of Issue:   | 2013-10-05   |
| Date Received:   | 2013-10-04   |
| Date Tested:     | 2013-10-04   |
| Date Completed:  | 2013-10-05   |
| Nexxt Due Date:  | 2014-10-04   |

**ATTN:** Mr. W.K. Tang

Page: 1 of 1

### Item for calibration:

|               |                         |
|---------------|-------------------------|
| Description   | : Acoustical Calibrator |
| Manufacturer  | : SVANTEK               |
| Model No.     | : SV30A                 |
| Serial No.    | : 24791                 |
| Equipment No. | : N-09-04               |

### Test conditions:

|                   |                     |
|-------------------|---------------------|
| Room Temperatre   | : 21 degree Celsius |
| Relative Humidity | : 57%               |

### Methodology:

The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

### Results:

| Sound Pressure Level (1kHz) | Measured SPL | Tolerance      |
|-----------------------------|--------------|----------------|
| At 94 dB SPL                | 94.0         | 94.0 ± 0.1 dB  |
| At 114 dB SPL               | 114.0        | 114.0 ± 0.1 dB |

*PREPARED AND CHECKED BY:  
For and On Behalf of WELLAB Ltd.*

  
**PATRICK TSE**  
*Laboratory Manager*

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**APPENDIX B**  
**BASELINE ENVIRONMENTAL**  
**MONITORING SCHEDULE**

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**Contract No. KLN/2013/16 Environmental Monitoring Works at Kai Tak Development**  
**Baseline Noise Monitoring Schedule in March and April 2014**

| Sunday           | Monday           | Tuesday          | Wednesday        | Thursday         | Friday           | Saturday         |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                  |                  |                  |                  |                  |                  | 1-Mar            |
| 2-Mar            | 3-Mar            | 4-Mar            | 5-Mar            | 6-Mar            | 7-Mar            | 8-Mar            |
|                  |                  |                  |                  |                  |                  |                  |
| 9-Mar            | 10-Mar           | 11-Mar           | 12-Mar           | 13-Mar           | 14-Mar           | 15-Mar           |
|                  |                  |                  |                  | Noise Monitoring | Noise Monitoring | Noise Monitoring |
| 16-Mar           | 17-Mar           | 18-Mar           | 19-Mar           | 20-Mar           | 21-Mar           | 22-Mar           |
| Noise Monitoring |
| 23-Mar           | 24-Mar           | 25-Mar           | 26-Mar           | 27-Mar           | 28-Mar           | 29-Mar           |
| Noise Monitoring |
| 30-Mar           | 31-Mar           | 1-Apr            |                  |                  |                  |                  |
| Noise Monitoring | Noise Monitoring | Noise Monitoring |                  |                  |                  |                  |

**Noise Monitoring Stations**

M10 - Tak Long Estate

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**APPENDIX C**  
**BASELINE NOISE MONITORING**  
**RESULTS AND GRAPHICAL**  
**PRESENTATION**

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Appendix C

**Day-time Noise Level at Tak Long Estate (M10)**

| Date      | dB(A)   |                 |                 |                 |                          |                           |                           |
|-----------|---------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time    | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 13-Mar-14 | 18:00   | 74.5            | 79.1            | 57.9            | 68.3                     | 65.4                      | 56.9                      |
| 13-Mar-14 | 18:05   | 69.8            | 72.0            | 57.6            |                          |                           |                           |
| 13-Mar-14 | 18:10   | 58.5            | 59.9            | 56.7            |                          |                           |                           |
| 13-Mar-14 | 18:15   | 58.9            | 61.0            | 56.7            |                          |                           |                           |
| 13-Mar-14 | 18:20   | 58.2            | 59.8            | 56.2            |                          |                           |                           |
| 13-Mar-14 | 18:25   | 58.8            | 60.5            | 56.4            |                          |                           |                           |
| 13-Mar-14 | 18:30   | 59.5            | 61.2            | 56.5            |                          |                           |                           |
| 13-Mar-14 | 18:35   | 58.0            | 59.7            | 55.8            |                          |                           |                           |
| 13-Mar-14 | 18:40   | 57.4            | 58.6            | 54.8            |                          |                           |                           |
| 13-Mar-14 | 18:45   | 57.6            | 59.5            | 55.2            |                          |                           |                           |
| 13-Mar-14 | 18:50   | 57.8            | 60.6            | 54.3            |                          |                           |                           |
| 13-Mar-14 | 18:55   | 57.1            | 58.8            | 54.5            |                          |                           |                           |
|           | Mean    | 58.0            | 59.7            | 55.2            |                          |                           |                           |
|           | Maximum | 58.0            | 59.7            | 55.2            |                          |                           |                           |
|           | Minimum | 58.0            | 59.7            | 55.2            |                          |                           |                           |

| Date | dB(A) | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Time | L<sub>eq</sub> | L<sub>10</sub> | L<sub>90</sub> | L<sub>eq</sub> (30-min) | L<sub>10</sub> (Average) | L<sub>90</sub> (Average) |



57.1 57.1 | 58.3 | 54.4 || 14-Mar-14 | 7:00 | 55.4 | 56.9 | 53.3 |  |  |  |
| 14-Mar-14 | 7:05 | 54.9 | 56.5 | 53.1 |  |  |  |
| 14-Mar-14 | 7:10 | 57.7 | 58.2 | 53.6 |  |  |  |
| 14-Mar-14 | 7:15 | 57.2 | 58.1 | 55.1 |  |  |  |
| 14-Mar-14 | 7:20 | 57.3 | 58.9 | 55.3 |  |  |  |
| 14-Mar-14 | 7:25 | 58.7 | 61.3 | 55.7 |  |  |  |
| 14-Mar-14 | 7:30 | 57.6 | 58.9 | 55.3 |  |  |  |
| 14-Mar-14 | 7:35 | 59.2 | 61.6 | 56.3 |  |  |  |
| 14-Mar-14 | 7:40 | 58.8 | 61.1 | 56.1 |  |  |  |
| 14-Mar-14 | 7:45 | 58.4 | 59.8 | 56.5 |  |  |  |
| 14-Mar-14 | 7:50 | 59.9 | 61.5 | 56.4 |  |  |  |
| 14-Mar-14 | 7:55 | 58.4 | 60.8 | 55.5 |  |  |  |
| 14-Mar-14 | 8:00 | 61.1 | 64.5 | 56.6 | 76.3 | 72.8 | 60.9 |
| 14-Mar-14 | 8:05 | 60.4 | 63.2 | 57.3 |  |  |  |
| 14-Mar-14 | 8:10 | 60.1 | 61.8 | 58.1 |  |  |  |
| 14-Mar-14 | 8:15 | 76.1 | 81.8 | 58.1 |  |  |  |
| 14-Mar-14 | 8:20 | 82.6 | 85.8 | 76.3 |  |  |  |
| 14-Mar-14 | 8:25 | 74.8 | 79.8 | 59.2 |  |  |  |
| 14-Mar-14 | 8:30 | 74.3 | 78.4 | 58.9 |  |  |  |
| 14-Mar-14 | 8:35 | 72.0 | 75.7 | 60.5 |  |  |  |
| 14-Mar-14 | 8:40 | 73.2 | 77.4 | 60.6 |  |  |  |
| 14-Mar-14 | 8:45 | 78.6 | 83.8 | 59.7 |  |  |  |
| 14-Mar-14 | 8:50 | 75.5 | 80.3 | 60.6 |  |  |  |
| 14-Mar-14 | 8:55 | 72.3 | 75.2 | 60.4 | 75.0 | 78.5 | 60.1 |
| 14-Mar-14 | 9:00 | 68.6 | 73.8 | 60.2 |  |  |  |
| 14-Mar-14 | 9:05 | 62.5 | 64.3 | 59.8 |  |  |  |
| 14-Mar-14 | 9:10 | 62.1 | 64.2 | 59.5 |  |  |  |
| 14-Mar-14 | 9:15 | 63.4 | 65.5 | 60.9 |  |  |  |
| 14-Mar-14 | 9:20 | 62.3 | 64.2 | 60.1 |  |  |  |
| 14-Mar-14 | 9:25 | 62.5 | 63.9 | 60.8 |  |  |  |
| 14-Mar-14 | 9:30 | 62.9 | 65.0 | 60.4 |  |  |  |
| 14-Mar-14 | 9:35 | 62.7 | 64.1 | 61.0 |  |  |  |
| 14-Mar-14 | 9:40 | 63.7 | 65.6 | 61.1 |  |  |  |
| 14-Mar-14 | 9:45 | 63.6 | 65.4 | 61.4 | 64.3 | 66.0 | 60.2 |
| 14-Mar-14 | 9:50 | 63.5 | 65.3 | 61.5 |  |  |  |
| 14-Mar-14 | 9:55 | 63.3 | 64.9 | 61.1 |  |  |  |
| 14-Mar-14 | 10:00 | 65.0 | 67.7 | 61.2 |  |  |  |
| 14-Mar-14 | 10:05 | 62.3 | 64.1 | 60.1 |  |  |  |
| 14-Mar-14 | 10:10 | 62.7 | 64.4 | 60.2 |  |  |  |
| 14-Mar-14 | 10:15 | 63.9 | 66.1 | 60.1 |  |  |  |
| 14-Mar-14 | 10:20 | 60.8 | 62.1 | 59.0 |  |  |  |
| 14-Mar-14 | 10:25 | 74.9 | 80.0 | 59.6 |  |  |  |
| 14-Mar-14 | 10:30 | 79.5 | 83.9 | 60.1 |  |  |  |
| 14-Mar-14 | 10:35 | 77.8 | 82.3 | 60.8 |  |  |  |
| 14-Mar-14 | 10:40 | 74.1 | 79.1 | 61.1 | 63.3 | 65.1 | 61.1 |
| 14-Mar-14 | 10:45 | 63.0 | 65.3 | 58.9 |  |  |  |
| 14-Mar-14 | 10:50 | 65.4 | 67.9 | 60.0 |  |  |  |
| 14-Mar-14 | 10:55 | 62.0 | 64.0 | 59.6 |  |  |  |
| 14-Mar-14 | 11:00 | 64.5 | 68.1 | 61.6 |  |  |  |
| 14-Mar-14 | 11:05 | 61.8 | 65.4 | 59.8 |  |  |  |
| 14-Mar-14 | 11:10 | 64.2 | 67.7 | 62.3 | 68.4 | 67.4 | 60.0 |
| 14-Mar-14 | 11:15 | 66.1 | 69.4 | 63.1 |  |  |  |
| 14-Mar-14 | 11:20 | 65.5 | 68.8 | 62.9 |  |  |  |
| 14-Mar-14 | 11:25 | 64.9 | 68.1 | 62.3 |  |  |  |
| 14-Mar-14 | 11:30 | 66.5 | 70.2 | 63.6 |  |  |  |
| 14-Mar-14 | 11:35 | 65.7 | 69.0 | 62.5 |  |  |  |
| 14-Mar-14 | 11:40 | 65.1 | 68.3 | 62.9 |  |  |  |
| 14-Mar-14 | 11:45 | 65.5 | 68.7 | 63.3 |  |  |  |
| 14-Mar-14 | 11:50 | 66.9 | 70.4 | 64.2 |  |  |  |
| 14-Mar-14 | 11:55 | 66.3 | 69.7 | 63.6 |  |  |  |
| 14-Mar-14 | 12:00 | 66.7 | 70.1 | 64.0 |  |  |  |
| 14-Mar-14 | 12:05 | 66.1 | 69.5 | 63.4 |  |  |  |
| 14-Mar-14 | 12:10 | 66.5 | 69.9 | 63.8 | 74.8 | 73.8 | 60.1 |
| 14-Mar-14 | 12:15 | 67.9 | 71.2 | 64.7 |  |  |  |
| 14-Mar-14 | 12:20 | 68.3 | 71.5 | 65.0 |  |  |  |
| 14-Mar-14 | 12:25 | 68.7 | 71.8 | 65.3 |  |  |  |
| 14-Mar-14 | 12:30 | 69.1 | 72.1 | 65.6 |  |  |  |
| 14-Mar-14 | 12:35 | 69.5 | 72.4 | 65.9 |  |  |  |



## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A)           |                 |                 |                          |                           |                           |                           |
|-----------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|---------------------------|
|           | Time            | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub>          | L <sub>eq</sub> (30-min)  | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 15-Mar-14 | 7:00            | 54.2            | 56.4            | 51.7                     | 55.4                      | 56.8                      | 52.7                      |
| 15-Mar-14 | 7:05            | 54.8            | 55.8            | 52.1                     |                           |                           |                           |
| 15-Mar-14 | 7:10            | 54.9            | 56.7            | 52.6                     |                           |                           |                           |
| 15-Mar-14 | 7:15            | 55.3            | 56.4            | 53.0                     |                           |                           |                           |
| 15-Mar-14 | 7:20            | 54.8            | 56.4            | 53.1                     |                           |                           |                           |
| 15-Mar-14 | 7:25            | 57.6            | 59.3            | 53.6                     |                           |                           |                           |
| 15-Mar-14 | 7:30            | 57.0            | 59.6            | 54.3                     |                           |                           |                           |
| 15-Mar-14 | 7:35            | 58.4            | 61.1            | 54.3                     |                           |                           |                           |
| 15-Mar-14 | 7:40            | 56.7            | 57.9            | 54.2                     |                           |                           |                           |
| 15-Mar-14 | 7:45            | 56.8            | 58.5            | 54.3                     |                           |                           |                           |
| 15-Mar-14 | 7:50            | 57.7            | 60.3            | 54.6                     | 57.5                      | 59.7                      | 54.4                      |
| 15-Mar-14 | 7:55            | 58.1            | 60.8            | 54.7                     |                           |                           |                           |
| 15-Mar-14 | 8:00            | 57.8            | 59.2            | 55.4                     |                           |                           |                           |
| 15-Mar-14 | 8:05            | 62.1            | 64.5            | 57.5                     |                           |                           |                           |
| 15-Mar-14 | 8:10            | 58.9            | 60.6            | 57.1                     |                           |                           |                           |
| 15-Mar-14 | 8:15            | 60.7            | 62.8            | 57.7                     |                           |                           |                           |
| 15-Mar-14 | 8:20            | 60.6            | 61.6            | 58.4                     |                           |                           |                           |
| 15-Mar-14 | 8:25            | 63.0            | 65.1            | 59.4                     |                           |                           |                           |
| 15-Mar-14 | 8:30            | 63.4            | 64.9            | 60.1                     |                           |                           |                           |
| 15-Mar-14 | 8:35            | 62.6            | 64.8            | 59.5                     |                           |                           |                           |
| 15-Mar-14 | 8:40            | 61.2            | 62.8            | 59.3                     | 63.4                      | 65.2                      | 60.0                      |
| 15-Mar-14 | 8:45            | 62.2            | 63.8            | 60.0                     |                           |                           |                           |
| 15-Mar-14 | 8:50            | 64.7            | 67.1            | 61.0                     |                           |                           |                           |
| 15-Mar-14 | 8:55            | 65.0            | 67.6            | 60.0                     |                           |                           |                           |
| 15-Mar-14 | 9:00            | 65.4            | 68.4            | 60.9                     |                           |                           |                           |
| 15-Mar-14 | 9:05            | 66.2            | 69.1            | 60.6                     |                           |                           |                           |
| 15-Mar-14 | 9:10            | 67.4            | 70.8            | 60.6                     |                           |                           |                           |
| 15-Mar-14 | 9:15            | 65.0            | 68.2            | 59.9                     |                           |                           |                           |
| 15-Mar-14 | 9:20            | 65.3            | 68.5            | 60.4                     |                           |                           |                           |
| 15-Mar-14 | 9:25            | 67.0            | 70.1            | 60.8                     |                           |                           |                           |
| 15-Mar-14 | 9:30            | 66.0            | 69.3            | 61.2                     | 66.1                      | 69.2                      | 60.5                      |
| 15-Mar-14 | 9:35            | 63.2            | 65.5            | 59.5                     |                           |                           |                           |
| 15-Mar-14 | 9:40            | 63.2            | 65.5            | 60.0                     |                           |                           |                           |
| 15-Mar-14 | 9:45            | 64.2            | 67.0            | 60.5                     |                           |                           |                           |
| 15-Mar-14 | 9:50            | 61.7            | 63.6            | 59.4                     |                           |                           |                           |
| 15-Mar-14 | 9:55            | 62.1            | 63.7            | 60.1                     |                           |                           |                           |
| 15-Mar-14 | 10:00           | 61.9            | 63.8            | 59.8                     |                           |                           |                           |
| 15-Mar-14 | 10:05           | 65.2            | 66.5            | 63.0                     |                           |                           |                           |
| 15-Mar-14 | 10:10           | 65.3            | 66.6            | 64.0                     | 64.7                      | 65.8                      | 63.0                      |
| 15-Mar-14 | 10:15           | 65.2            | 66.3            | 64.1                     |                           |                           |                           |
| 15-Mar-14 | 10:20           | 65.1            | 65.9            | 64.0                     |                           |                           |                           |
| 15-Mar-14 | 10:25           | 64.8            | 65.8            | 62.8                     |                           |                           |                           |
| 15-Mar-14 | 10:30           | 66.8            | 68.4            | 64.2                     |                           |                           |                           |
| 15-Mar-14 | 10:35           | 65.3            | 66.4            | 63.8                     |                           |                           |                           |
| 15-Mar-14 | 10:40           | 65.3            | 66.5            | 64.0                     |                           |                           |                           |
| 15-Mar-14 | 10:45           | 67.0            | 68.8            | 65.0                     |                           |                           |                           |
| 15-Mar-14 | 10:50           | 66.8            | 68.4            | 64.6                     |                           |                           |                           |
| 15-Mar-14 | 10:55           | 66.6            | 68.7            | 61.4                     |                           |                           |                           |
| Date      | dB(A)           |                 |                 |                          |                           |                           |                           |
| Time      | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |                           |
| 15-Mar-14 | 11:00           | 65.1            | 67.6            | 61.3                     | 63.7                      | 65.8                      | 60.0                      |
| 15-Mar-14 | 11:05           | 62.2            | 64.4            | 59.1                     |                           |                           |                           |
| 15-Mar-14 | 11:10           | 63.2            | 65.3            | 60.0                     |                           |                           |                           |
| 15-Mar-14 | 11:15           | 64.5            | 67.1            | 60.0                     |                           |                           |                           |
| 15-Mar-14 | 11:20           | 64.6            | 67.5            | 60.1                     |                           |                           |                           |
| 15-Mar-14 | 11:25           | 61.2            | 62.7            | 59.4                     |                           |                           |                           |
| 15-Mar-14 | 11:30           | 60.8            | 62.0            | 59.2                     |                           |                           |                           |
| 15-Mar-14 | 11:35           | 60.0            | 61.7            | 58.1                     |                           |                           |                           |
| 15-Mar-14 | 11:40           | 59.9            | 61.9            | 57.4                     | 59.6                      | 61.2                      | 57.4                      |
| 15-Mar-14 | 11:45           | 58.7            | 60.6            | 56.5                     |                           |                           |                           |
| 15-Mar-14 | 11:50           | 58.7            | 60.4            | 56.3                     |                           |                           |                           |
| 15-Mar-14 | 11:55           | 58.8            | 60.5            | 56.7                     |                           |                           |                           |
| 15-Mar-14 | 12:00           | 59.2            | 60.8            | 57.0                     |                           |                           |                           |
| 15-Mar-14 | 12:05           | 58.1            | 59.6            | 56.6                     |                           |                           |                           |
| 15-Mar-14 | 12:10           | 58.6            | 60.3            | 56.3                     |                           |                           |                           |
| 15-Mar-14 | 12:15           | 59.2            | 60.8            | 56.9                     |                           |                           |                           |
| 15-Mar-14 | 12:20           | 60.1            | 62.3            | 57.1                     | 60.0                      | 61.5                      | 56.6                      |
| 15-Mar-14 | 12:25           | 58.8            | 60.4            | 56.5                     |                           |                           |                           |
| 15-Mar-14 | 12:30           | 58.4            | 60.1            | 56.1                     |                           |                           |                           |
| 15-Mar-14 | 12:35           | 62.4            | 63.2            | 57.0                     |                           |                           |                           |
| 15-Mar-14 | 12:40           | 58.7            | 60.2            | 56.6                     |                           |                           |                           |
| 15-Mar-14 | 12:45           | 58.9            | 60.7            | 56.5                     |                           |                           |                           |
| 15-Mar-14 | 12:50           | 60.7            | 62.6            | 57.2                     |                           |                           |                           |
| 15-Mar-14 | 12:55           | 59.6            | 62.3            | 56.2                     |                           |                           |                           |
| 15-Mar-14 | 13:00           | 59.6            | 61.1            | 57.3                     | 62.7                      | 64.8                      | 59.1                      |
| 15-Mar-14 | 13:05           | 61.0            | 62.8            | 58.7                     |                           |                           |                           |
| 15-Mar-14 | 13:10           | 62.5            | 65.0            | 58.6                     |                           |                           |                           |
| 15-Mar-14 | 13:15           | 64.1            | 67.0            | 59.8                     |                           |                           |                           |
| 15-Mar-14 | 13:20           | 63.1            | 65.6            | 59.3                     |                           |                           |                           |
| 15-Mar-14 | 13:25           | 64.2            | 67.0            | 60.6                     |                           |                           |                           |
| 15-Mar-14 | 13:30           | 61.1            | 63.0            | 58.7                     |                           |                           |                           |
| 15-Mar-14 | 13:35           | 60.8            | 62.4            | 59.0                     |                           |                           |                           |
| 15-Mar-14 | 13:40           | 61.0            | 62.6            | 58.9                     | 61.6                      | 63.4                      | 59.1                      |
| 15-Mar-14 | 13:45           | 61.9            | 63.9            | 59.2                     |                           |                           |                           |
| 15-Mar-14 | 13:50           | 61.0            | 62.5            | 59.0                     |                           |                           |                           |
| 15-Mar-14 | 13:55           | 63.3            | 65.9            | 59.8                     |                           |                           |                           |
| 15-Mar-14 | 14:00           | 67.0            | 70.4            | 60.3                     |                           |                           |                           |
| 15-Mar-14 | 14:05           | 61.7            | 63.6            | 59.1                     |                           |                           |                           |
| 15-Mar-14 | 14:10           | 65.0            | 67.4            | 60.2                     |                           |                           |                           |
| 15-Mar-14 | 14:15           | 64.4            | 67.2            | 60.4                     |                           |                           |                           |
| 15-Mar-14 | 14:20           | 62.8            | 65.2            | 59.1                     | 64.6                      | 66.9                      | 59.8                      |
| 15-Mar-14 | 14:25           | 64.6            | 67.4            | 59.4                     |                           |                           |                           |
| 15-Mar-14 | 14:30           | 63.7            | 65.9            | 59.5                     |                           |                           |                           |
| 15-Mar-14 | 14:35           | 64.5            | 67.4            | 59.8                     |                           |                           |                           |
| 15-Mar-14 | 14:40           | 62.7            | 63.9            | 59.1                     |                           |                           |                           |
| 15-Mar-14 | 14:45           | 64.0            | 66.8            | 59.7                     |                           |                           |                           |
| 15-Mar-14 | 14:50           | 64.5            | 67.4            | 59.7                     |                           |                           |                           |
| 15-Mar-14 | 14:55           | 63.8            | 66.7            | 59.4                     |                           |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A)   |                 |                 |                 |                          |                           |                           |
|-----------|---------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time    | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 15-Mar-14 | 15:00   | 62.8            | 65.2            | 58.5            | 61.9                     | 64.0                      | 58.7                      |
| 15-Mar-14 | 15:05   | 63.0            | 65.6            | 59.0            |                          |                           |                           |
| 15-Mar-14 | 15:10   | 61.2            | 63.3            | 58.8            |                          |                           |                           |
| 15-Mar-14 | 15:15   | 61.3            | 63.6            | 58.5            |                          |                           |                           |
| 15-Mar-14 | 15:20   | 61.5            | 62.8            | 58.8            |                          |                           |                           |
| 15-Mar-14 | 15:25   | 61.1            | 63.4            | 58.3            |                          |                           |                           |
| 15-Mar-14 | 15:30   | 64.0            | 66.7            | 58.9            |                          |                           |                           |
| 15-Mar-14 | 15:35   | 62.1            | 64.7            | 58.4            |                          |                           |                           |
| 15-Mar-14 | 15:40   | 64.1            | 67.0            | 59.6            |                          |                           |                           |
| 15-Mar-14 | 15:45   | 64.9            | 67.6            | 60.2            |                          |                           |                           |
| 15-Mar-14 | 15:50   | 64.4            | 66.4            | 59.4            |                          |                           |                           |
| 15-Mar-14 | 15:55   | 64.3            | 66.5            | 58.7            |                          |                           |                           |
| 15-Mar-14 | 16:00   | 63.0            | 65.4            | 58.9            |                          |                           |                           |
| 15-Mar-14 | 16:05   | 62.7            | 65.6            | 58.0            |                          |                           |                           |
| 15-Mar-14 | 16:10   | 62.5            | 65.0            | 58.2            |                          |                           |                           |
| 15-Mar-14 | 16:15   | 60.6            | 62.8            | 58.1            |                          |                           |                           |
| 15-Mar-14 | 16:20   | 61.2            | 63.2            | 58.2            |                          |                           |                           |
| 15-Mar-14 | 16:25   | 63.3            | 64.8            | 61.3            |                          |                           |                           |
| 15-Mar-14 | 16:30   | 62.8            | 64.7            | 59.3            |                          |                           |                           |
| 15-Mar-14 | 16:35   | 60.2            | 62.2            | 57.7            |                          |                           |                           |
| 15-Mar-14 | 16:40   | 60.8            | 62.9            | 58.2            |                          |                           |                           |
| 15-Mar-14 | 16:45   | 60.9            | 62.5            | 58.3            |                          |                           |                           |
| 15-Mar-14 | 16:50   | 61.5            | 63.6            | 59.1            |                          |                           |                           |
| 15-Mar-14 | 16:55   | 60.5            | 62.0            | 58.2            |                          |                           |                           |
| 15-Mar-14 | 17:00   | 60.8            | 62.9            | 58.2            |                          |                           |                           |
| 15-Mar-14 | 17:05   | 61.1            | 63.5            | 58.2            |                          |                           |                           |
| 15-Mar-14 | 17:10   | 59.1            | 60.7            | 57.2            |                          |                           |                           |
| 15-Mar-14 | 17:15   | 60.5            | 62.6            | 57.7            |                          |                           |                           |
| 15-Mar-14 | 17:20   | 60.6            | 62.8            | 57.6            |                          |                           |                           |
| 15-Mar-14 | 17:25   | 60.2            | 62.8            | 56.7            |                          |                           |                           |
| 15-Mar-14 | 17:30   | 60.2            | 62.3            | 57.4            |                          |                           |                           |
| 15-Mar-14 | 17:35   | 60.5            | 63.0            | 57.2            |                          |                           |                           |
| 15-Mar-14 | 17:40   | 59.4            | 60.7            | 57.1            |                          |                           |                           |
| 15-Mar-14 | 17:45   | 59.5            | 61.2            | 57.2            |                          |                           |                           |
| 15-Mar-14 | 17:50   | 60.2            | 62.3            | 56.9            |                          |                           |                           |
| 15-Mar-14 | 17:55   | 59.1            | 61.0            | 56.5            |                          |                           |                           |
| 15-Mar-14 | 18:00   | 58.4            | 60.2            | 56.2            | 59.8                     | 61.8                      | 57.1                      |
| 15-Mar-14 | 18:05   | 57.7            | 59.5            | 55.8            |                          |                           |                           |
| 15-Mar-14 | 18:10   | 57.9            | 59.6            | 55.8            |                          |                           |                           |
| 15-Mar-14 | 18:15   | 58.9            | 61.1            | 56.3            |                          |                           |                           |
| 15-Mar-14 | 18:20   | 58.2            | 59.7            | 55.9            |                          |                           |                           |
| 15-Mar-14 | 18:25   | 57.8            | 60.0            | 55.0            |                          |                           |                           |
| 15-Mar-14 | 18:30   | 57.6            | 59.8            | 55.2            |                          |                           |                           |
| 15-Mar-14 | 18:35   | 57.7            | 59.5            | 55.6            |                          |                           |                           |
| 15-Mar-14 | 18:40   | 57.8            | 59.2            | 55.4            |                          |                           |                           |
| 15-Mar-14 | 18:45   | 57.4            | 59.0            | 55.3            |                          |                           |                           |
| 15-Mar-14 | 18:50   | 57.8            | 59.7            | 54.8            |                          |                           |                           |
| 15-Mar-14 | 18:55   | 57.5            | 59.3            | 55.3            |                          |                           |                           |
|           | Mean    | 59.6            | 61.3            | 56.9            |                          |                           |                           |
|           | Maximum | 61.6            | 63.4            | 59.1            |                          |                           |                           |
|           | Minimum | 55.4            | 56.8            | 52.7            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 17-Mar-14 | 7:00  | 54.3            | 55.6            | 52.6            | 56.8                     | 58.4                      | 54.1                      |
| 17-Mar-14 | 7:05  | 55.1            | 56.5            | 53.0            |                          |                           |                           |
| 17-Mar-14 | 7:10  | 57.2            | 59.3            | 54.1            |                          |                           |                           |
| 17-Mar-14 | 7:15  | 56.9            | 59.2            | 54.4            |                          |                           |                           |
| 17-Mar-14 | 7:20  | 58.9            | 61.1            | 55.8            |                          |                           |                           |
| 17-Mar-14 | 7:25  | 57.0            | 58.6            | 54.7            |                          |                           |                           |
| 17-Mar-14 | 7:30  | 57.2            | 58.7            | 55.3            |                          |                           |                           |
| 17-Mar-14 | 7:35  | 58.1            | 60.1            | 56.0            |                          |                           |                           |
| 17-Mar-14 | 7:40  | 59.1            | 60.8            | 57.0            |                          |                           |                           |
| 17-Mar-14 | 7:45  | 60.7            | 63.3            | 57.2            |                          |                           |                           |
| 17-Mar-14 | 7:50  | 60.3            | 62.8            | 56.3            |                          |                           |                           |
| 17-Mar-14 | 7:55  | 59.5            | 62.3            | 56.0            |                          |                           |                           |
| 17-Mar-14 | 8:00  | 59.7            | 61.9            | 56.9            |                          |                           |                           |
| 17-Mar-14 | 8:05  | 61.2            | 63.8            | 57.5            |                          |                           |                           |
| 17-Mar-14 | 8:10  | 59.4            | 61.3            | 57.4            |                          |                           |                           |
| 17-Mar-14 | 8:15  | 61.1            | 63.3            | 57.4            |                          |                           |                           |
| 17-Mar-14 | 8:20  | 60.4            | 62.1            | 58.1            |                          |                           |                           |
| 17-Mar-14 | 8:25  | 59.5            | 60.8            | 57.7            |                          |                           |                           |
| 17-Mar-14 | 8:30  | 60.6            | 62.4            | 58.4            |                          |                           |                           |
| 17-Mar-14 | 8:35  | 60.1            | 61.7            | 58.1            |                          |                           |                           |
| 17-Mar-14 | 8:40  | 60.4            | 61.8            | 58.4            |                          |                           |                           |
| 17-Mar-14 | 8:45  | 60.8            | 62.7            | 58.6            |                          |                           |                           |
| 17-Mar-14 | 8:50  | 62.1            | 64.4            | 59.3            |                          |                           |                           |
| 17-Mar-14 | 8:55  | 60.5            | 62.1            | 58.6            |                          |                           |                           |
| 17-Mar-14 | 9:00  | 60.4            | 61.9            | 58.6            | 60.2                     | 61.6                      | 58.4                      |
| 17-Mar-14 | 9:05  | 60.3            | 61.9            | 58.4            |                          |                           |                           |
| 17-Mar-14 | 9:10  | 60.4            | 61.8            | 58.8            |                          |                           |                           |
| 17-Mar-14 | 9:15  | 60.8            | 62.2            | 58.5            |                          |                           |                           |
| 17-Mar-14 | 9:20  | 59.3            | 60.7            | 57.8            |                          |                           |                           |
| 17-Mar-14 | 9:25  | 59.8            | 60.9            | 58.2            |                          |                           |                           |
| 17-Mar-14 | 9:30  | 60.3            | 62.1            | 58.3            |                          |                           |                           |
| 17-Mar-14 | 9:35  | 61.0            | 62.7            | 59.1            |                          |                           |                           |
| 17-Mar-14 | 9:40  | 61.5            | 63.7            | 58.7            |                          |                           |                           |
| 17-Mar-14 | 9:45  | 62.5            | 65.3            | 59.1            |                          |                           |                           |
| 17-Mar-14 | 9:50  | 61.5            | 62.8            | 59.2            | 61.5                     | 63.5                      | 58.8                      |
| 17-Mar-14 | 9:55  | 61.8            | 64.4            | 58.3            |                          |                           |                           |
| 17-Mar-14 | 10:00 | 60.1            | 61.8            | 57.5            |                          |                           |                           |
| 17-Mar-14 | 10:05 | 59.8            | 61.3            | 57.2            |                          |                           |                           |
| 17-Mar-14 | 10:10 | 59.6            | 61.1            | 57.6            |                          |                           |                           |
| 17-Mar-14 | 10:15 | 61.1            | 63.3            | 58.4            |                          |                           |                           |
| 17-Mar-14 | 10:20 | 60.9            | 62.7            | 58.1            |                          |                           |                           |
| 17-Mar-14 | 10:25 | 60.6            | 61.8            | 58.4            |                          |                           |                           |
| 17-Mar-14 | 10:30 | 61.3            | 63.3            | 58.2            |                          |                           |                           |
| 17-Mar-14 | 10:35 | 60.5            | 62.1            | 58.4            |                          |                           |                           |
| 17-Mar-14 | 10:40 | 60.9            | 62.6            | 59.0            | 61.6                     | 63.1                      | 59.0                      |
| 17-Mar-14 | 10:45 | 62.8            | 63.5            | 59.5            |                          |                           |                           |
| 17-Mar-14 | 10:50 | 61.9            | 63.8            | 59.3            |                          |                           |                           |
| 17-Mar-14 | 10:55 | 61.7            | 63.4            | 59.5            |                          |                           |                           |





## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A)   |                 |                 |                 |                          |                           |                           |
|-----------|---------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time    | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 18-Mar-14 | 15:00   | 61.4            | 63.2            | 58.3            | 61.3                     | 63.1                      | 58.4                      |
| 18-Mar-14 | 15:05   | 60.5            | 61.8            | 58.5            |                          |                           |                           |
| 18-Mar-14 | 15:10   | 60.6            | 61.8            | 58.5            |                          |                           |                           |
| 18-Mar-14 | 15:15   | 61.0            | 62.8            | 58.3            |                          |                           |                           |
| 18-Mar-14 | 15:20   | 63.0            | 66.3            | 58.8            |                          |                           |                           |
| 18-Mar-14 | 15:25   | 60.6            | 62.7            | 57.8            |                          |                           |                           |
| 18-Mar-14 | 15:30   | 61.6            | 64.0            | 58.2            |                          |                           |                           |
| 18-Mar-14 | 15:35   | 62.7            | 65.5            | 58.8            |                          |                           |                           |
| 18-Mar-14 | 15:40   | 62.7            | 63.7            | 58.7            |                          |                           |                           |
| 18-Mar-14 | 15:45   | 61.8            | 63.3            | 58.2            |                          |                           |                           |
| 18-Mar-14 | 15:50   | 62.1            | 62.9            | 58.6            |                          |                           |                           |
| 18-Mar-14 | 15:55   | 62.4            | 64.4            | 58.1            |                          |                           |                           |
| 18-Mar-14 | 16:00   | 62.7            | 65.0            | 58.3            |                          |                           |                           |
| 18-Mar-14 | 16:05   | 64.7            | 67.2            | 58.4            |                          |                           |                           |
| 18-Mar-14 | 16:10   | 62.7            | 64.9            | 58.0            | 63.1                     | 65.2                      | 58.5                      |
| 18-Mar-14 | 16:15   | 62.6            | 64.9            | 58.4            |                          |                           |                           |
| 18-Mar-14 | 16:20   | 62.5            | 64.6            | 58.9            |                          |                           |                           |
| 18-Mar-14 | 16:25   | 63.2            | 64.5            | 59.1            |                          |                           |                           |
| 18-Mar-14 | 16:30   | 62.2            | 63.1            | 58.2            |                          |                           |                           |
| 18-Mar-14 | 16:35   | 62.7            | 64.5            | 58.7            |                          |                           |                           |
| 18-Mar-14 | 16:40   | 62.2            | 64.5            | 58.2            |                          |                           |                           |
| 18-Mar-14 | 16:45   | 62.0            | 64.3            | 58.4            |                          |                           |                           |
| 18-Mar-14 | 16:50   | 62.4            | 63.6            | 58.8            |                          |                           |                           |
| 18-Mar-14 | 16:55   | 62.0            | 62.9            | 58.8            |                          |                           |                           |
| 18-Mar-14 | 17:00   | 63.5            | 66.5            | 58.6            | 62.3                     | 63.8                      | 58.5                      |
| 18-Mar-14 | 17:05   | 63.2            | 65.9            | 58.9            |                          |                           |                           |
| 18-Mar-14 | 17:10   | 62.7            | 65.5            | 58.3            |                          |                           |                           |
| 18-Mar-14 | 17:15   | 62.7            | 65.0            | 58.5            |                          |                           |                           |
| 18-Mar-14 | 17:20   | 61.2            | 63.5            | 57.8            |                          |                           |                           |
| 18-Mar-14 | 17:25   | 60.3            | 62.5            | 57.7            |                          |                           |                           |
| 18-Mar-14 | 17:30   | 59.6            | 61.5            | 56.8            |                          |                           |                           |
| 18-Mar-14 | 17:35   | 59.3            | 60.9            | 57.3            |                          |                           |                           |
| 18-Mar-14 | 17:40   | 59.5            | 61.8            | 56.4            |                          |                           |                           |
| 18-Mar-14 | 17:45   | 57.8            | 59.5            | 56.0            |                          |                           |                           |
| 18-Mar-14 | 17:50   | 58.4            | 60.9            | 55.5            |                          |                           |                           |
| 18-Mar-14 | 17:55   | 58.3            | 60.5            | 55.6            |                          |                           |                           |
| 18-Mar-14 | 18:00   | 58.2            | 59.8            | 56.0            | 58.9                     | 60.9                      | 56.3                      |
| 18-Mar-14 | 18:05   | 58.3            | 60.6            | 55.6            |                          |                           |                           |
| 18-Mar-14 | 18:10   | 57.8            | 59.6            | 55.5            |                          |                           |                           |
| 18-Mar-14 | 18:15   | 57.7            | 59.7            | 55.3            |                          |                           |                           |
| 18-Mar-14 | 18:20   | 58.3            | 60.3            | 56.0            |                          |                           |                           |
| 18-Mar-14 | 18:25   | 58.6            | 60.7            | 55.6            | 58.0                     | 59.9                      | 55.5                      |
| 18-Mar-14 | 18:30   | 56.7            | 58.2            | 55.1            |                          |                           |                           |
| 18-Mar-14 | 18:35   | 57.5            | 58.9            | 55.2            |                          |                           |                           |
| 18-Mar-14 | 18:40   | 58.8            | 60.9            | 56.1            |                          |                           |                           |
| 18-Mar-14 | 18:45   | 58.0            | 59.8            | 55.7            |                          |                           |                           |
| 18-Mar-14 | 18:50   | 57.6            | 59.7            | 55.1            |                          |                           |                           |
| 18-Mar-14 | 18:55   | 59.2            | 61.8            | 55.5            |                          |                           |                           |
|           | Mean    | 59.5            | 61.2            | 56.5            |                          |                           |                           |
|           | Maximum | 61.3            | 63.2            | 58.4            |                          |                           |                           |
|           | Minimum | 56.2            | 58.1            | 53.4            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 19-Mar-14 | 7:00  | 55.3            | 58.1            | 52.3            | 55.9                     | 57.7                      | 53.3                      |
| 19-Mar-14 | 7:05  | 54.9            | 56.6            | 53.0            |                          |                           |                           |
| 19-Mar-14 | 7:10  | 55.4            | 57.1            | 53.0            |                          |                           |                           |
| 19-Mar-14 | 7:15  | 55.2            | 56.5            | 53.2            |                          |                           |                           |
| 19-Mar-14 | 7:20  | 55.3            | 56.7            | 53.5            |                          |                           |                           |
| 19-Mar-14 | 7:25  | 58.3            | 60.9            | 54.6            |                          |                           |                           |
| 19-Mar-14 | 7:30  | 58.0            | 60.4            | 55.1            |                          |                           |                           |
| 19-Mar-14 | 7:35  | 58.5            | 59.9            | 55.2            |                          |                           |                           |
| 19-Mar-14 | 7:40  | 59.2            | 61.8            | 56.2            |                          |                           |                           |
| 19-Mar-14 | 7:45  | 59.1            | 62.4            | 55.5            |                          |                           |                           |
| 19-Mar-14 | 7:50  | 57.7            | 59.8            | 55.2            |                          |                           |                           |
| 19-Mar-14 | 7:55  | 57.1            | 58.8            | 55.1            |                          |                           |                           |
| 19-Mar-14 | 8:00  | 57.3            | 58.8            | 55.4            |                          |                           |                           |
| 19-Mar-14 | 8:05  | 57.9            | 59.8            | 55.6            |                          |                           |                           |
| 19-Mar-14 | 8:10  | 60.0            | 62.1            | 57.4            |                          |                           |                           |
| 19-Mar-14 | 8:15  | 59.8            | 61.5            | 57.5            |                          |                           |                           |
| 19-Mar-14 | 8:20  | 61.1            | 62.1            | 58.5            |                          |                           |                           |
| 19-Mar-14 | 8:25  | 62.3            | 63.5            | 58.2            | 60.1                     | 61.3                      | 57.1                      |
| 19-Mar-14 | 8:30  | 62.1            | 63.0            | 58.4            |                          |                           |                           |
| 19-Mar-14 | 8:35  | 62.8            | 63.7            | 58.7            |                          |                           |                           |
| 19-Mar-14 | 8:40  | 61.6            | 62.7            | 58.5            |                          |                           |                           |
| 19-Mar-14 | 8:45  | 61.9            | 62.7            | 58.6            |                          |                           |                           |
| 19-Mar-14 | 8:50  | 61.5            | 63.3            | 58.6            |                          |                           |                           |
| 19-Mar-14 | 8:55  | 61.7            | 63.4            | 58.7            |                          |                           |                           |
| 19-Mar-14 | 9:00  | 63.3            | 66.4            | 59.0            |                          |                           |                           |
| 19-Mar-14 | 9:05  | 63.9            | 66.9            | 58.9            |                          |                           |                           |
| 19-Mar-14 | 9:10  | 63.2            | 65.7            | 59.0            |                          |                           |                           |
| 19-Mar-14 | 9:15  | 63.9            | 66.7            | 59.2            | 63.8                     | 66.5                      | 59.1                      |
| 19-Mar-14 | 9:20  | 65.0            | 68.2            | 59.1            |                          |                           |                           |
| 19-Mar-14 | 9:25  | 63.1            | 65.3            | 59.5            |                          |                           |                           |
| 19-Mar-14 | 9:30  | 61.8            | 64.1            | 58.2            |                          |                           |                           |
| 19-Mar-14 | 9:35  | 61.7            | 64.2            | 58.2            |                          |                           |                           |
| 19-Mar-14 | 9:40  | 61.0            | 62.9            | 58.3            |                          |                           |                           |
| 19-Mar-14 | 9:45  | 61.1            | 62.5            | 58.0            |                          |                           |                           |
| 19-Mar-14 | 9:50  | 61.0            | 61.9            | 58.1            |                          |                           |                           |
| 19-Mar-14 | 9:55  | 62.6            | 63.5            | 58.4            |                          |                           |                           |
| 19-Mar-14 | 10:00 | 62.5            | 64.2            | 59.0            | 62.0                     | 63.7                      | 58.6                      |
| 19-Mar-14 | 10:05 | 63.1            | 65.2            | 59.1            |                          |                           |                           |
| 19-Mar-14 | 10:10 | 61.3            | 62.8            | 59.1            |                          |                           |                           |
| 19-Mar-14 | 10:15 | 61.6            | 63.4            | 58.2            |                          |                           |                           |
| 19-Mar-14 | 10:20 | 61.8            | 63.4            | 58.2            |                          |                           |                           |
| 19-Mar-14 | 10:25 | 61.3            | 62.9            | 57.9            |                          |                           |                           |
| 19-Mar-14 | 10:30 | 61.0            | 62.6            | 58.0            | 61.8                     | 63.5                      | 58.4                      |
| 19-Mar-14 | 10:35 | 62.0            | 63.9            | 58.8            |                          |                           |                           |
| 19-Mar-14 | 10:40 | 62.2            | 64.1            | 58.7            |                          |                           |                           |
| 19-Mar-14 | 10:45 | 62.1            | 63.5            | 58.4            |                          |                           |                           |
| 19-Mar-14 | 10:50 | 61.8            | 63.5            | 58.4            |                          |                           |                           |
| 19-Mar-14 | 10:55 | 61.6            | 63.1            | 58.3            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           | Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 19-Mar-14 | 11:00 | 61.8            | 63.5            | 58.7            | 60.9                     | 62.5                      | 58.0                      | 19-Mar-14 | 15:00 | 62.2            | 64.6            | 58.6            | 61.7                     | 63.6                      | 58.1                      |
| 19-Mar-14 | 11:05 | 61.4            | 63.1            | 58.2            |                          |                           |                           |           | 15:05 | 62.5            | 64.8            | 58.1            |                          |                           |                           |
| 19-Mar-14 | 11:10 | 61.2            | 62.6            | 58.2            |                          |                           |                           |           | 15:10 | 61.4            | 63.4            | 57.4            |                          |                           |                           |
| 19-Mar-14 | 11:15 | 60.9            | 62.8            | 58.0            |                          |                           |                           |           | 15:15 | 60.8            | 62.5            | 57.8            |                          |                           |                           |
| 19-Mar-14 | 11:20 | 59.2            | 60.9            | 57.1            |                          |                           |                           |           | 15:20 | 61.4            | 63.2            | 58.3            |                          |                           |                           |
| 19-Mar-14 | 11:25 | 60.4            | 61.8            | 57.6            |                          |                           |                           |           | 15:25 | 61.4            | 63.1            | 58.1            |                          |                           |                           |
| 19-Mar-14 | 11:30 | 59.1            | 61.0            | 56.8            |                          |                           |                           |           | 15:30 | 61.8            | 62.9            | 58.4            |                          |                           |                           |
| 19-Mar-14 | 11:35 | 59.2            | 61.1            | 57.1            |                          |                           |                           |           | 15:35 | 62.7            | 64.0            | 58.7            |                          |                           |                           |
| 19-Mar-14 | 11:40 | 59.3            | 62.2            | 55.4            |                          |                           |                           |           | 15:40 | 62.8            | 64.8            | 59.4            |                          |                           |                           |
| 19-Mar-14 | 11:45 | 58.1            | 59.7            | 55.8            |                          |                           |                           |           | 15:45 | 62.6            | 64.8            | 58.5            |                          |                           |                           |
| 19-Mar-14 | 11:50 | 58.3            | 60.0            | 55.8            | 58.6                     | 60.4                      | 56.0                      | 19-Mar-14 | 15:50 | 62.0            | 64.2            | 58.2            | 62.1                     | 63.8                      | 58.5                      |
| 19-Mar-14 | 11:55 | 56.9            | 58.1            | 55.3            |                          |                           |                           |           | 15:55 | 60.4            | 62.0            | 58.0            |                          |                           |                           |
| 19-Mar-14 | 12:00 | 58.7            | 60.7            | 56.2            |                          |                           |                           |           | 16:00 | 63.5            | 65.7            | 58.3            |                          |                           |                           |
| 19-Mar-14 | 12:05 | 56.9            | 58.4            | 55.2            |                          |                           |                           |           | 16:05 | 64.3            | 67.3            | 58.5            |                          |                           |                           |
| 19-Mar-14 | 12:10 | 56.8            | 57.9            | 55.2            |                          |                           |                           |           | 16:10 | 63.4            | 65.8            | 58.9            |                          |                           |                           |
| 19-Mar-14 | 12:15 | 57.0            | 59.1            | 55.0            |                          |                           |                           |           | 16:15 | 63.0            | 65.9            | 58.5            |                          |                           |                           |
| 19-Mar-14 | 12:20 | 58.0            | 60.2            | 55.3            |                          |                           |                           |           | 16:20 | 62.2            | 65.4            | 58.5            |                          |                           |                           |
| 19-Mar-14 | 12:25 | 56.7            | 58.3            | 55.0            |                          |                           |                           |           | 16:25 | 62.1            | 63.3            | 59.1            |                          |                           |                           |
| 19-Mar-14 | 12:30 | 56.4            | 58.0            | 54.6            |                          |                           |                           |           | 16:30 | 62.1            | 64.2            | 59.0            | 63.2                     | 65.6                      | 58.6                      |
| 19-Mar-14 | 12:35 | 57.1            | 59.0            | 55.1            |                          |                           |                           |           | 16:35 | 62.1            | 64.2            | 59.0            |                          |                           |                           |
| 19-Mar-14 | 12:40 | 57.1            | 58.3            | 55.1            |                          |                           |                           |           | 16:40 | 60.9            | 63.2            | 57.9            |                          |                           |                           |
| 19-Mar-14 | 12:45 | 57.2            | 58.9            | 55.2            |                          |                           |                           |           | 16:45 | 60.1            | 61.8            | 57.2            |                          |                           |                           |
| 19-Mar-14 | 12:50 | 57.5            | 58.9            | 55.5            |                          |                           |                           |           | 16:50 | 61.5            | 63.3            | 58.1            |                          |                           |                           |
| 19-Mar-14 | 12:55 | 58.5            | 60.6            | 55.8            |                          |                           |                           |           | 16:55 | 61.6            | 63.2            | 58.2            |                          |                           |                           |
| 19-Mar-14 | 13:00 | 56.4            | 57.7            | 55.0            |                          |                           |                           |           | 17:00 | 61.1            | 62.7            | 58.3            | 61.4                     | 63.3                      | 58.2                      |
| 19-Mar-14 | 13:05 | 57.5            | 58.9            | 55.4            |                          |                           |                           |           | 17:05 | 61.9            | 63.7            | 58.7            |                          |                           |                           |
| 19-Mar-14 | 13:10 | 58.9            | 60.9            | 56.5            |                          |                           |                           |           | 17:10 | 62.0            | 63.6            | 59.0            |                          |                           |                           |
| 19-Mar-14 | 13:15 | 60.1            | 61.7            | 58.0            |                          |                           |                           |           | 17:15 | 60.9            | 62.4            | 58.1            |                          |                           |                           |
| 19-Mar-14 | 13:20 | 61.1            | 62.6            | 58.4            |                          |                           |                           |           | 17:20 | 58.7            | 60.2            | 57.0            |                          |                           |                           |
| 19-Mar-14 | 13:25 | 65.4            | 68.3            | 59.3            |                          |                           |                           |           | 17:25 | 59.6            | 62.0            | 56.6            |                          |                           |                           |
| 19-Mar-14 | 13:30 | 63.7            | 66.7            | 58.5            | 62.4                     | 64.8                      | 58.1                      | 19-Mar-14 | 17:30 | 59.6            | 61.8            | 56.2            | 60.9                     | 62.4                      | 58.0                      |
| 19-Mar-14 | 13:35 | 63.5            | 66.3            | 58.5            |                          |                           |                           |           | 17:35 | 60.0            | 61.8            | 57.1            |                          |                           |                           |
| 19-Mar-14 | 13:40 | 61.5            | 63.6            | 57.9            |                          |                           |                           |           | 17:40 | 59.5            | 61.4            | 57.0            |                          |                           |                           |
| 19-Mar-14 | 13:45 | 61.3            | 63.7            | 58.1            |                          |                           |                           |           | 17:45 | 59.0            | 60.8            | 56.8            |                          |                           |                           |
| 19-Mar-14 | 13:50 | 62.6            | 64.8            | 58.0            |                          |                           |                           |           | 17:50 | 59.3            | 60.7            | 57.2            |                          |                           |                           |
| 19-Mar-14 | 13:55 | 61.4            | 63.7            | 57.5            |                          |                           |                           |           | 17:55 | 59.2            | 60.8            | 57.1            |                          |                           |                           |
| 19-Mar-14 | 14:00 | 61.8            | 64.3            | 58.0            |                          |                           |                           |           | 18:00 | 58.9            | 60.8            | 56.4            |                          |                           |                           |
| 19-Mar-14 | 14:05 | 62.0            | 63.5            | 58.5            |                          |                           |                           |           | 18:05 | 57.5            | 58.8            | 56.0            |                          |                           |                           |
| 19-Mar-14 | 14:10 | 61.5            | 62.8            | 58.1            |                          |                           |                           |           | 18:10 | 59.0            | 61.4            | 56.4            | 59.4                     | 61.2                      | 56.9                      |
| 19-Mar-14 | 14:15 | 60.8            | 62.4            | 56.9            |                          |                           |                           |           | 18:15 | 58.7            | 60.6            | 56.5            |                          |                           |                           |
| 19-Mar-14 | 14:20 | 62.2            | 65.6            | 57.2            |                          |                           |                           |           | 18:20 | 59.0            | 61.5            | 56.3            |                          |                           |                           |
| 19-Mar-14 | 14:25 | 59.8            | 61.6            | 57.3            |                          |                           |                           |           | 18:25 | 59.7            | 62.2            | 57.1            |                          |                           |                           |
| 19-Mar-14 | 14:30 | 59.3            | 61.4            | 56.8            |                          |                           |                           |           | 18:30 | 59.8            | 62.2            | 56.4            |                          |                           |                           |
| 19-Mar-14 | 14:35 | 63.3            | 66.2            | 58.0            |                          |                           |                           |           | 18:35 | 59.0            | 61.4            | 56.2            |                          |                           |                           |
| 19-Mar-14 | 14:40 | 61.7            | 65.3            | 57.0            |                          |                           |                           |           | 18:40 | 59.5            | 60.3            | 56.0            |                          |                           |                           |
| 19-Mar-14 | 14:45 | 73.4            | 78.4            | 58.7            |                          |                           |                           |           | 18:45 | 57.4            | 58.8            | 55.6            |                          |                           |                           |
| 19-Mar-14 | 14:50 | 62.6            | 64.9            | 58.4            |                          |                           |                           |           | 18:50 | 58.4            | 60.0            | 56.1            |                          |                           |                           |
| 19-Mar-14 | 14:55 | 61.1            | 63.3            | 58.2            |                          |                           |                           |           | 18:55 | 57.7            | 58.9            | 55.6            |                          |                           |                           |

Mean 59.8  
Maximum 61.6  
Minimum 55.9

61.4 56.8  
63.4 58.2  
57.7 53.3

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 20-Mar-14 | 7:00  | 55.1            | 56.6            | 53.1            | 56.9                     | 58.3                      | 54.6                      |
| 20-Mar-14 | 7:05  | 55.9            | 57.3            | 54.2            |                          |                           |                           |
| 20-Mar-14 | 7:10  | 57.1            | 58.8            | 55.0            |                          |                           |                           |
| 20-Mar-14 | 7:15  | 56.7            | 58.1            | 55.0            |                          |                           |                           |
| 20-Mar-14 | 7:20  | 57.7            | 58.4            | 55.0            |                          |                           |                           |
| 20-Mar-14 | 7:25  | 58.0            | 60.4            | 55.3            |                          |                           |                           |
| 20-Mar-14 | 7:30  | 57.0            | 58.3            | 55.6            |                          |                           |                           |
| 20-Mar-14 | 7:35  | 60.2            | 63.5            | 56.8            |                          |                           |                           |
| 20-Mar-14 | 7:40  | 59.7            | 61.6            | 57.3            |                          |                           |                           |
| 20-Mar-14 | 7:45  | 59.0            | 61.7            | 56.1            |                          |                           |                           |
| 20-Mar-14 | 7:50  | 57.6            | 58.7            | 56.2            | 58.9                     | 60.7                      | 56.5                      |
| 20-Mar-14 | 7:55  | 58.8            | 60.5            | 56.9            |                          |                           |                           |
| 20-Mar-14 | 8:00  | 58.9            | 60.1            | 57.2            |                          |                           |                           |
| 20-Mar-14 | 8:05  | 59.2            | 61.0            | 57.3            |                          |                           |                           |
| 20-Mar-14 | 8:10  | 60.0            | 61.8            | 58.1            |                          |                           |                           |
| 20-Mar-14 | 8:15  | 60.1            | 61.5            | 58.2            |                          |                           |                           |
| 20-Mar-14 | 8:20  | 61.0            | 62.5            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 8:25  | 60.7            | 62.1            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 8:30  | 62.5            | 63.9            | 60.6            |                          |                           |                           |
| 20-Mar-14 | 8:35  | 62.5            | 63.5            | 60.4            | 62.4                     | 63.8                      | 59.8                      |
| 20-Mar-14 | 8:40  | 62.2            | 64.0            | 60.0            |                          |                           |                           |
| 20-Mar-14 | 8:45  | 61.5            | 63.4            | 59.3            |                          |                           |                           |
| 20-Mar-14 | 8:50  | 63.2            | 63.8            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 8:55  | 62.3            | 64.2            | 59.4            |                          |                           |                           |
| 20-Mar-14 | 9:00  | 60.6            | 61.8            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 9:05  | 60.9            | 62.5            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 9:10  | 61.4            | 63.2            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 9:15  | 62.2            | 64.3            | 59.9            |                          |                           |                           |
| 20-Mar-14 | 9:20  | 61.1            | 62.6            | 59.4            |                          |                           |                           |
| 20-Mar-14 | 9:25  | 60.5            | 61.9            | 59.0            | 61.2                     | 62.7                      | 59.3                      |
| 20-Mar-14 | 9:30  | 62.0            | 63.8            | 59.5            |                          |                           |                           |
| 20-Mar-14 | 9:35  | 60.9            | 62.6            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 9:40  | 61.0            | 62.8            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 9:45  | 60.2            | 61.7            | 58.5            |                          |                           |                           |
| 20-Mar-14 | 9:50  | 62.4            | 63.9            | 59.7            |                          |                           |                           |
| 20-Mar-14 | 9:55  | 61.5            | 63.4            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 10:00 | 61.5            | 62.9            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 10:05 | 61.5            | 63.4            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 10:10 | 61.5            | 63.1            | 59.4            | 61.4                     | 63.0                      | 59.2                      |
| 20-Mar-14 | 10:15 | 63.0            | 64.8            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 10:20 | 60.7            | 62.4            | 58.7            |                          |                           |                           |
| 20-Mar-14 | 10:25 | 61.6            | 63.2            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 10:30 | 61.4            | 62.8            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 10:35 | 61.7            | 63.4            | 59.5            |                          |                           |                           |
| 20-Mar-14 | 10:40 | 61.2            | 62.8            | 59.6            |                          |                           |                           |
| 20-Mar-14 | 10:45 | 61.8            | 63.7            | 59.5            |                          |                           |                           |
| 20-Mar-14 | 10:50 | 61.2            | 62.8            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 10:55 | 62.9            | 64.8            | 60.4            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 20-Mar-14 | 11:00 | 60.9            | 62.4            | 59.0            | 61.0                     | 62.6                      | 59.0                      |
| 20-Mar-14 | 11:05 | 60.6            | 61.9            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 11:10 | 61.2            | 62.8            | 59.3            |                          |                           |                           |
| 20-Mar-14 | 11:15 | 61.3            | 63.0            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 11:20 | 60.8            | 62.7            | 58.3            |                          |                           |                           |
| 20-Mar-14 | 11:25 | 61.2            | 62.9            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 11:30 | 62.1            | 62.9            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 11:35 | 59.2            | 60.7            | 57.3            |                          |                           |                           |
| 20-Mar-14 | 11:40 | 58.0            | 59.4            | 56.5            |                          |                           |                           |
| 20-Mar-14 | 11:45 | 58.8            | 60.6            | 56.8            |                          |                           |                           |
| 20-Mar-14 | 11:50 | 60.6            | 61.4            | 56.4            | 57.8                     | 59.4                      | 55.9                      |
| 20-Mar-14 | 11:55 | 57.9            | 59.6            | 55.9            |                          |                           |                           |
| 20-Mar-14 | 12:00 | 57.9            | 59.3            | 56.2            |                          |                           |                           |
| 20-Mar-14 | 12:05 | 57.8            | 58.9            | 56.3            |                          |                           |                           |
| 20-Mar-14 | 12:10 | 57.9            | 59.7            | 55.8            |                          |                           |                           |
| 20-Mar-14 | 12:15 | 58.1            | 60.0            | 56.0            |                          |                           |                           |
| 20-Mar-14 | 12:20 | 57.2            | 58.8            | 55.1            |                          |                           |                           |
| 20-Mar-14 | 12:25 | 57.6            | 59.5            | 55.7            |                          |                           |                           |
| 20-Mar-14 | 12:30 | 57.6            | 58.9            | 56.0            |                          |                           |                           |
| 20-Mar-14 | 12:35 | 58.9            | 61.5            | 56.1            |                          |                           |                           |
| 20-Mar-14 | 12:40 | 58.8            | 60.8            | 56.1            | 58.4                     | 60.0                      | 56.0                      |
| 20-Mar-14 | 12:45 | 58.9            | 60.6            | 56.4            |                          |                           |                           |
| 20-Mar-14 | 12:50 | 57.2            | 58.5            | 55.4            |                          |                           |                           |
| 20-Mar-14 | 12:55 | 58.9            | 59.8            | 56.1            |                          |                           |                           |
| 20-Mar-14 | 13:00 | 58.3            | 59.9            | 56.2            |                          |                           |                           |
| 20-Mar-14 | 13:05 | 59.6            | 61.2            | 57.5            |                          |                           |                           |
| 20-Mar-14 | 13:10 | 62.4            | 64.3            | 58.3            |                          |                           |                           |
| 20-Mar-14 | 13:15 | 61.3            | 62.7            | 58.7            |                          |                           |                           |
| 20-Mar-14 | 13:20 | 61.0            | 63.0            | 58.5            |                          |                           |                           |
| 20-Mar-14 | 13:25 | 67.3            | 71.1            | 59.6            |                          |                           |                           |
| 20-Mar-14 | 13:30 | 65.6            | 69.0            | 60.3            | 68.2                     | 66.6                      | 60.7                      |
| 20-Mar-14 | 13:35 | 62.3            | 63.9            | 59.9            |                          |                           |                           |
| 20-Mar-14 | 13:40 | 65.6            | 65.1            | 60.6            |                          |                           |                           |
| 20-Mar-14 | 13:45 | 66.4            | 66.0            | 60.8            |                          |                           |                           |
| 20-Mar-14 | 13:50 | 73.0            | 67.6            | 61.0            |                          |                           |                           |
| 20-Mar-14 | 13:55 | 68.2            | 68.2            | 61.5            |                          |                           |                           |
| 20-Mar-14 | 14:00 | 65.0            | 65.7            | 61.0            |                          |                           |                           |
| 20-Mar-14 | 14:05 | 62.3            | 63.9            | 60.2            |                          |                           |                           |
| 20-Mar-14 | 14:10 | 62.6            | 64.5            | 60.4            |                          |                           |                           |
| 20-Mar-14 | 14:15 | 62.5            | 64.5            | 60.3            |                          |                           |                           |
| 20-Mar-14 | 14:20 | 62.6            | 64.5            | 60.3            | 63.0                     | 64.5                      | 60.5                      |
| 20-Mar-14 | 14:25 | 62.3            | 63.6            | 60.6            |                          |                           |                           |
| 20-Mar-14 | 14:30 | 62.1            | 63.5            | 60.4            |                          |                           |                           |
| 20-Mar-14 | 14:35 | 61.9            | 63.5            | 60.1            |                          |                           |                           |
| 20-Mar-14 | 14:40 | 62.4            | 64.2            | 60.3            |                          |                           |                           |
| 20-Mar-14 | 14:45 | 62.6            | 64.3            | 60.3            |                          |                           |                           |
| 20-Mar-14 | 14:50 | 62.5            | 64.1            | 60.8            |                          |                           |                           |
| 20-Mar-14 | 14:55 | 63.0            | 64.7            | 60.9            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 20-Mar-14 | 15:00 | 62.6            | 64.2            | 60.5            | 62.4                     | 63.8                      | 60.4                      |
| 20-Mar-14 | 15:05 | 61.4            | 63.2            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 15:10 | 62.4            | 63.9            | 60.0            |                          |                           |                           |
| 20-Mar-14 | 15:15 | 62.9            | 64.4            | 61.0            |                          |                           |                           |
| 20-Mar-14 | 15:20 | 62.6            | 63.5            | 60.8            |                          |                           |                           |
| 20-Mar-14 | 15:25 | 62.4            | 63.7            | 60.7            |                          |                           |                           |
| 20-Mar-14 | 15:30 | 61.7            | 62.9            | 60.1            |                          |                           |                           |
| 20-Mar-14 | 15:35 | 62.5            | 63.7            | 59.9            |                          |                           |                           |
| 20-Mar-14 | 15:40 | 67.8            | 69.7            | 60.1            |                          |                           |                           |
| 20-Mar-14 | 15:45 | 61.8            | 63.7            | 59.7            |                          |                           |                           |
| 20-Mar-14 | 15:50 | 61.5            | 62.8            | 59.6            |                          |                           |                           |
| 20-Mar-14 | 15:55 | 62.5            | 63.8            | 60.0            |                          |                           |                           |
| 20-Mar-14 | 16:00 | 62.8            | 65.1            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 16:05 | 60.6            | 62.4            | 58.4            |                          |                           |                           |
| 20-Mar-14 | 16:10 | 60.8            | 62.4            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 16:15 | 61.1            | 62.8            | 59.1            |                          |                           |                           |
| 20-Mar-14 | 16:20 | 68.0            | 71.9            | 60.5            |                          |                           |                           |
| 20-Mar-14 | 16:25 | 65.2            | 68.1            | 61.1            |                          |                           |                           |
| 20-Mar-14 | 16:30 | 62.7            | 65.0            | 60.0            |                          |                           |                           |
| 20-Mar-14 | 16:35 | 62.7            | 65.1            | 59.4            |                          |                           |                           |
| 20-Mar-14 | 16:40 | 63.6            | 66.3            | 60.2            |                          |                           |                           |
| 20-Mar-14 | 16:45 | 60.9            | 62.6            | 59.0            |                          |                           |                           |
| 20-Mar-14 | 16:50 | 61.8            | 63.9            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 16:55 | 62.3            | 64.0            | 60.1            |                          |                           |                           |
| 20-Mar-14 | 17:00 | 63.2            | 64.8            | 60.1            |                          |                           |                           |
| 20-Mar-14 | 17:05 | 61.8            | 63.4            | 59.4            |                          |                           |                           |
| 20-Mar-14 | 17:10 | 61.6            | 63.3            | 59.2            |                          |                           |                           |
| 20-Mar-14 | 17:15 | 61.6            | 63.4            | 59.3            |                          |                           |                           |
| 20-Mar-14 | 17:20 | 61.8            | 63.3            | 59.3            |                          |                           |                           |
| 20-Mar-14 | 17:25 | 59.6            | 60.9            | 57.7            |                          |                           |                           |
| 20-Mar-14 | 17:30 | 58.8            | 59.9            | 57.2            |                          |                           |                           |
| 20-Mar-14 | 17:35 | 58.8            | 60.3            | 57.1            |                          |                           |                           |
| 20-Mar-14 | 17:40 | 58.9            | 60.5            | 56.6            |                          |                           |                           |
| 20-Mar-14 | 17:45 | 58.5            | 60.3            | 56.5            |                          |                           |                           |
| 20-Mar-14 | 17:50 | 58.5            | 59.9            | 56.1            |                          |                           |                           |
| 20-Mar-14 | 17:55 | 58.0            | 59.4            | 56.2            |                          |                           |                           |
| 20-Mar-14 | 18:00 | 58.2            | 60.1            | 56.1            |                          |                           |                           |
| 20-Mar-14 | 18:05 | 58.5            | 59.9            | 56.3            |                          |                           |                           |
| 20-Mar-14 | 18:10 | 59.0            | 60.9            | 56.6            | 59.0                     | 60.8                      | 56.6                      |
| 20-Mar-14 | 18:15 | 59.7            | 61.7            | 57.1            |                          |                           |                           |
| 20-Mar-14 | 18:20 | 60.0            | 62.0            | 57.1            |                          |                           |                           |
| 20-Mar-14 | 18:25 | 58.2            | 59.9            | 56.3            |                          |                           |                           |
| 20-Mar-14 | 18:30 | 59.0            | 60.6            | 56.9            |                          |                           |                           |
| 20-Mar-14 | 18:35 | 58.0            | 59.5            | 55.6            |                          |                           |                           |
| 20-Mar-14 | 18:40 | 57.2            | 58.5            | 55.5            |                          |                           |                           |
| 20-Mar-14 | 18:45 | 57.6            | 59.4            | 55.3            |                          |                           |                           |
| 20-Mar-14 | 18:50 | 59.5            | 61.9            | 56.5            |                          |                           |                           |
| 20-Mar-14 | 18:55 | 58.5            | 59.7            | 56.3            |                          |                           |                           |
|           |       | Mean            | 59.5            | 61.0            | 57.3                     |                           |                           |
|           |       | Maximum         | 61.4            | 63.0            | 59.3                     |                           |                           |
|           |       | Minimum         | 56.9            | 58.3            | 54.6                     |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 21-Mar-14 | 7:00  | 52.8            | 53.9            | 51.4            | 54.7                     | 56.1                      | 52.5                      |
| 21-Mar-14 | 7:05  | 52.9            | 54.0            | 51.4            |                          |                           |                           |
| 21-Mar-14 | 7:10  | 55.3            | 57.1            | 52.6            |                          |                           |                           |
| 21-Mar-14 | 7:15  | 54.6            | 55.8            | 52.9            |                          |                           |                           |
| 21-Mar-14 | 7:20  | 54.7            | 56.2            | 53.2            |                          |                           |                           |
| 21-Mar-14 | 7:25  | 56.7            | 59.3            | 53.4            |                          |                           |                           |
| 21-Mar-14 | 7:30  | 56.4            | 57.9            | 54.0            |                          |                           |                           |
| 21-Mar-14 | 7:35  | 55.6            | 56.8            | 54.0            |                          |                           |                           |
| 21-Mar-14 | 7:40  | 57.3            | 59.4            | 54.6            |                          |                           |                           |
| 21-Mar-14 | 7:45  | 58.8            | 61.8            | 55.0            |                          |                           |                           |
| 21-Mar-14 | 7:50  | 60.9            | 59.7            | 55.1            |                          |                           |                           |
| 21-Mar-14 | 7:55  | 57.3            | 58.9            | 55.2            |                          |                           |                           |
| 21-Mar-14 | 8:00  | 59.9            | 62.9            | 55.6            |                          |                           |                           |
| 21-Mar-14 | 8:05  | 57.1            | 58.5            | 55.3            |                          |                           |                           |
| 21-Mar-14 | 8:10  | 58.9            | 60.2            | 56.6            |                          |                           |                           |
| 21-Mar-14 | 8:15  | 61.7            | 64.2            | 58.1            |                          |                           |                           |
| 21-Mar-14 | 8:20  | 60.1            | 61.7            | 57.6            |                          |                           |                           |
| 21-Mar-14 | 8:25  | 61.1            | 62.9            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 8:30  | 60.3            | 61.9            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 8:35  | 60.9            | 62.9            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 8:40  | 60.6            | 62.3            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 8:45  | 60.9            | 62.8            | 58.6            |                          |                           |                           |
| 21-Mar-14 | 8:50  | 61.4            | 63.7            | 58.5            |                          |                           |                           |
| 21-Mar-14 | 8:55  | 61.1            | 63.3            | 58.3            |                          |                           |                           |
| 21-Mar-14 | 9:00  | 60.1            | 61.9            | 58.0            | 60.9                     | 62.8                      | 58.7                      |
| 21-Mar-14 | 9:05  | 60.4            | 62.4            | 58.1            |                          |                           |                           |
| 21-Mar-14 | 9:10  | 61.4            | 63.2            | 59.0            |                          |                           |                           |
| 21-Mar-14 | 9:15  | 61.0            | 63.0            | 58.8            |                          |                           |                           |
| 21-Mar-14 | 9:20  | 61.0            | 62.8            | 58.7            |                          |                           |                           |
| 21-Mar-14 | 9:25  | 61.6            | 63.6            | 59.3            |                          |                           |                           |
| 21-Mar-14 | 9:30  | 61.4            | 63.8            | 58.7            |                          |                           |                           |
| 21-Mar-14 | 9:35  | 60.0            | 61.6            | 58.1            |                          |                           |                           |
| 21-Mar-14 | 9:40  | 60.6            | 62.5            | 58.2            |                          |                           |                           |
| 21-Mar-14 | 9:45  | 60.3            | 61.7            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 9:50  | 60.3            | 61.8            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 9:55  | 61.3            | 63.1            | 59.1            |                          |                           |                           |
| 21-Mar-14 | 10:00 | 61.9            | 63.4            | 60.1            |                          |                           |                           |
| 21-Mar-14 | 10:05 | 60.1            | 61.6            | 58.6            |                          |                           |                           |
| 21-Mar-14 | 10:10 | 60.0            | 61.3            | 58.1            |                          |                           |                           |
| 21-Mar-14 | 10:15 | 61.2            | 63.0            | 59.0            |                          |                           |                           |
| 21-Mar-14 | 10:20 | 60.6            | 62.1            | 58.7            |                          |                           |                           |
| 21-Mar-14 | 10:25 | 60.9            | 62.6            | 59.1            |                          |                           |                           |
| 21-Mar-14 | 10:30 | 60.6            | 62.1            | 58.5            | 60.8                     | 62.2                      | 58.8                      |
| 21-Mar-14 | 10:35 | 60.6            | 61.9            | 58.7            |                          |                           |                           |
| 21-Mar-14 | 10:40 | 60.3            | 61.6            | 58.8            |                          |                           |                           |
| 21-Mar-14 | 10:45 | 61.5            | 63.0            | 59.4            |                          |                           |                           |
| 21-Mar-14 | 10:50 | 60.8            | 62.4            | 58.6            |                          |                           |                           |
| 21-Mar-14 | 10:55 | 60.8            | 62.3            | 58.9            |                          |                           |                           |

Appendix C

**Day-time Noise Level at Tak Long Estate (M10)**

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 21-Mar-14 | 11:00 | 61.9            | 63.9            | 59.4            | 61.3                     | 62.8                      | 59.2                      |
| 21-Mar-14 | 11:05 | 62.0            | 63.8            | 59.7            |                          |                           |                           |
| 21-Mar-14 | 11:10 | 61.4            | 62.8            | 59.6            |                          |                           |                           |
| 21-Mar-14 | 11:15 | 61.5            | 62.7            | 59.3            |                          |                           |                           |
| 21-Mar-14 | 11:20 | 59.9            | 61.1            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 11:25 | 60.6            | 62.4            | 58.5            |                          |                           |                           |
| 21-Mar-14 | 11:30 | 59.8            | 60.9            | 58.0            | 58.8                     | 60.2                      | 56.7                      |
| 21-Mar-14 | 11:35 | 59.8            | 61.6            | 57.3            |                          |                           |                           |
| 21-Mar-14 | 11:40 | 59.3            | 60.8            | 57.2            |                          |                           |                           |
| 21-Mar-14 | 11:45 | 57.7            | 59.3            | 56.0            |                          |                           |                           |
| 21-Mar-14 | 11:50 | 58.1            | 59.6            | 56.1            |                          |                           |                           |
| 21-Mar-14 | 11:55 | 57.4            | 58.8            | 55.3            |                          |                           |                           |
| 21-Mar-14 | 12:00 | 57.7            | 58.8            | 55.6            | 57.8                     | 59.5                      | 55.6                      |
| 21-Mar-14 | 12:05 | 57.7            | 58.9            | 56.1            |                          |                           |                           |
| 21-Mar-14 | 12:10 | 57.2            | 58.6            | 55.3            |                          |                           |                           |
| 21-Mar-14 | 12:15 | 58.0            | 60.4            | 55.1            |                          |                           |                           |
| 21-Mar-14 | 12:20 | 58.1            | 59.9            | 55.7            |                          |                           |                           |
| 21-Mar-14 | 12:25 | 57.9            | 60.2            | 55.6            |                          |                           |                           |
| 21-Mar-14 | 12:30 | 57.3            | 58.8            | 55.2            | 57.9                     | 59.6                      | 55.8                      |
| 21-Mar-14 | 12:35 | 57.6            | 59.5            | 55.4            |                          |                           |                           |
| 21-Mar-14 | 12:40 | 57.9            | 59.8            | 55.7            |                          |                           |                           |
| 21-Mar-14 | 12:45 | 57.7            | 59.5            | 55.7            |                          |                           |                           |
| 21-Mar-14 | 12:50 | 57.7            | 59.1            | 56.2            |                          |                           |                           |
| 21-Mar-14 | 12:55 | 59.2            | 60.9            | 56.6            |                          |                           |                           |
| 21-Mar-14 | 13:00 | 60.0            | 62.3            | 57.1            | 60.6                     | 62.3                      | 58.4                      |
| 21-Mar-14 | 13:05 | 58.3            | 60.0            | 56.3            |                          |                           |                           |
| 21-Mar-14 | 13:10 | 60.5            | 62.3            | 58.6            |                          |                           |                           |
| 21-Mar-14 | 13:15 | 60.8            | 62.4            | 59.1            |                          |                           |                           |
| 21-Mar-14 | 13:20 | 61.2            | 62.8            | 59.1            |                          |                           |                           |
| 21-Mar-14 | 13:25 | 62.0            | 63.8            | 60.0            |                          |                           |                           |
| 21-Mar-14 | 13:30 | 62.5            | 64.3            | 60.0            | 62.6                     | 64.4                      | 60.2                      |
| 21-Mar-14 | 13:35 | 62.2            | 63.9            | 60.2            |                          |                           |                           |
| 21-Mar-14 | 13:40 | 63.1            | 64.8            | 60.6            |                          |                           |                           |
| 21-Mar-14 | 13:45 | 63.7            | 65.1            | 61.0            |                          |                           |                           |
| 21-Mar-14 | 13:50 | 61.9            | 63.5            | 59.9            |                          |                           |                           |
| 21-Mar-14 | 13:55 | 62.1            | 64.5            | 59.2            |                          |                           |                           |
| 21-Mar-14 | 14:00 | 61.8            | 63.2            | 59.8            | 61.5                     | 63.0                      | 58.9                      |
| 21-Mar-14 | 14:05 | 62.5            | 64.1            | 59.6            |                          |                           |                           |
| 21-Mar-14 | 14:10 | 60.8            | 62.3            | 58.7            |                          |                           |                           |
| 21-Mar-14 | 14:15 | 62.5            | 64.4            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 14:20 | 60.3            | 62.0            | 58.3            |                          |                           |                           |
| 21-Mar-14 | 14:25 | 60.3            | 61.9            | 58.4            |                          |                           |                           |
| 21-Mar-14 | 14:30 | 61.4            | 63.0            | 58.8            | 61.3                     | 62.9                      | 59.3                      |
| 21-Mar-14 | 14:35 | 60.9            | 62.4            | 59.2            |                          |                           |                           |
| 21-Mar-14 | 14:40 | 61.9            | 63.4            | 59.8            |                          |                           |                           |
| 21-Mar-14 | 14:45 | 61.9            | 64.0            | 59.1            |                          |                           |                           |
| 21-Mar-14 | 14:50 | 61.1            | 62.5            | 59.4            |                          |                           |                           |
| 21-Mar-14 | 14:55 | 60.7            | 61.9            | 59.2            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 21-Mar-14 | 15:00 | 61.4            | 62.9            | 59.5            | 61.8                     | 63.2                      | 60.0                      |
| 21-Mar-14 | 15:05 | 61.8            | 63.4            | 59.9            |                          |                           |                           |
| 21-Mar-14 | 15:10 | 61.2            | 62.6            | 59.6            |                          |                           |                           |
| 21-Mar-14 | 15:15 | 62.7            | 64.8            | 60.3            |                          |                           |                           |
| 21-Mar-14 | 15:20 | 61.6            | 62.7            | 60.1            |                          |                           |                           |
| 21-Mar-14 | 15:25 | 61.8            | 62.9            | 60.3            |                          |                           |                           |
| 21-Mar-14 | 15:30 | 61.4            | 63.3            | 59.1            | 61.2                     | 62.8                      | 58.9                      |
| 21-Mar-14 | 15:35 | 61.4            | 63.3            | 59.0            |                          |                           |                           |
| 21-Mar-14 | 15:40 | 60.2            | 61.8            | 58.3            |                          |                           |                           |
| 21-Mar-14 | 15:45 | 60.9            | 63.2            | 58.2            |                          |                           |                           |
| 21-Mar-14 | 15:50 | 61.1            | 62.5            | 59.1            |                          |                           |                           |
| 21-Mar-14 | 15:55 | 61.9            | 62.8            | 59.4            |                          |                           |                           |
| 21-Mar-14 | 16:00 | 61.7            | 63.9            | 59.1            | 62.4                     | 63.9                      | 60.0                      |
| 21-Mar-14 | 16:05 | 61.4            | 62.6            | 59.3            |                          |                           |                           |
| 21-Mar-14 | 16:10 | 62.5            | 64.2            | 60.1            |                          |                           |                           |
| 21-Mar-14 | 16:15 | 62.1            | 63.7            | 60.0            |                          |                           |                           |
| 21-Mar-14 | 16:20 | 62.5            | 63.5            | 59.9            |                          |                           |                           |
| 21-Mar-14 | 16:25 | 63.7            | 65.6            | 61.5            |                          |                           |                           |
| 21-Mar-14 | 16:30 | 62.4            | 63.6            | 61.0            | 62.3                     | 63.9                      | 60.4                      |
| 21-Mar-14 | 16:35 | 63.4            | 64.7            | 61.8            |                          |                           |                           |
| 21-Mar-14 | 16:40 | 62.4            | 63.6            | 61.0            |                          |                           |                           |
| 21-Mar-14 | 16:45 | 62.4            | 64.5            | 60.1            |                          |                           |                           |
| 21-Mar-14 | 16:50 | 61.6            | 63.5            | 59.3            |                          |                           |                           |
| 21-Mar-14 | 16:55 | 61.3            | 63.3            | 59.0            |                          |                           |                           |
| 21-Mar-14 | 17:00 | 61.4            | 63.2            | 59.1            | 61.0                     | 62.7                      | 58.2                      |
| 21-Mar-14 | 17:05 | 62.2            | 63.5            | 58.6            |                          |                           |                           |
| 21-Mar-14 | 17:10 | 60.7            | 62.5            | 58.3            |                          |                           |                           |
| 21-Mar-14 | 17:15 | 60.9            | 62.4            | 58.1            |                          |                           |                           |
| 21-Mar-14 | 17:20 | 60.7            | 62.7            | 58.0            |                          |                           |                           |
| 21-Mar-14 | 17:25 | 59.6            | 61.6            | 57.2            |                          |                           |                           |
| 21-Mar-14 | 17:30 | 58.8            | 60.5            | 56.9            | 58.4                     | 60.4                      | 55.8                      |
| 21-Mar-14 | 17:35 | 58.4            | 60.9            | 55.7            |                          |                           |                           |
| 21-Mar-14 | 17:40 | 58.6            | 60.7            | 56.0            |                          |                           |                           |
| 21-Mar-14 | 17:45 | 58.5            | 60.6            | 55.3            |                          |                           |                           |
| 21-Mar-14 | 17:50 | 58.6            | 60.8            | 55.7            |                          |                           |                           |
| 21-Mar-14 | 17:55 | 57.4            | 59.1            | 55.4            |                          |                           |                           |
| 21-Mar-14 | 18:00 | 57.8            | 59.5            | 55.6            | 58.0                     | 60.1                      | 55.3                      |
| 21-Mar-14 | 18:05 | 56.9            | 58.7            | 55.0            |                          |                           |                           |
| 21-Mar-14 | 18:10 | 58.3            | 60.2            | 55.7            |                          |                           |                           |
| 21-Mar-14 | 18:15 | 59.2            | 62.2            | 55.0            |                          |                           |                           |
| 21-Mar-14 | 18:20 | 57.6            | 59.7            | 55.2            |                          |                           |                           |
| 21-Mar-14 | 18:25 | 57.9            | 60.2            | 55.3            |                          |                           |                           |
| 21-Mar-14 | 18:30 | 58.1            | 59.9            | 55.3            | 57.0                     | 58.8                      | 54.5                      |
| 21-Mar-14 | 18:35 | 56.9            | 58.7            | 54.5            |                          |                           |                           |
| 21-Mar-14 | 18:40 | 56.4            | 57.8            | 54.3            |                          |                           |                           |
| 21-Mar-14 | 18:45 | 57.3            | 59.3            | 54.8            |                          |                           |                           |
| 21-Mar-14 | 18:50 | 57.2            | 59.7            | 54.3            |                          |                           |                           |
| 21-Mar-14 | 18:55 | 55.7            | 57.4            | 53.5            |                          |                           |                           |

Mean 59.9  
Maximum 61.5  
Minimum 54.7

61.6 57.6

63.0 59.3

56.1 52.5

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 22-Mar-14 | 7:00  | 53.1            | 54.7            | 51.3            | 54.6                     | 56.2                      | 52.0                      |
| 22-Mar-14 | 7:05  | 55.6            | 56.7            | 51.6            |                          |                           |                           |
| 22-Mar-14 | 7:10  | 54.9            | 56.8            | 52.4            |                          |                           |                           |
| 22-Mar-14 | 7:15  | 55.0            | 57.2            | 52.0            |                          |                           |                           |
| 22-Mar-14 | 7:20  | 53.9            | 55.3            | 52.0            |                          |                           |                           |
| 22-Mar-14 | 7:25  | 54.9            | 56.5            | 52.4            |                          |                           |                           |
| 22-Mar-14 | 7:30  | 55.7            | 58.3            | 53.4            |                          |                           |                           |
| 22-Mar-14 | 7:35  | 57.1            | 59.6            | 54.3            |                          |                           |                           |
| 22-Mar-14 | 7:40  | 57.2            | 59.0            | 54.3            |                          |                           |                           |
| 22-Mar-14 | 7:45  | 59.3            | 61.7            | 55.0            |                          |                           |                           |
| 22-Mar-14 | 7:50  | 62.0            | 64.0            | 58.2            |                          |                           |                           |
| 22-Mar-14 | 7:55  | 58.1            | 59.8            | 56.1            |                          |                           |                           |
| 22-Mar-14 | 8:00  | 61.2            | 63.0            | 57.3            | 61.7                     | 63.1                      | 58.8                      |
| 22-Mar-14 | 8:05  | 63.0            | 64.9            | 59.4            |                          |                           |                           |
| 22-Mar-14 | 8:10  | 62.4            | 63.5            | 60.2            |                          |                           |                           |
| 22-Mar-14 | 8:15  | 61.2            | 62.6            | 58.5            |                          |                           |                           |
| 22-Mar-14 | 8:20  | 60.7            | 62.6            | 58.6            |                          |                           |                           |
| 22-Mar-14 | 8:25  | 61.0            | 62.2            | 58.9            |                          |                           |                           |
| 22-Mar-14 | 8:30  | 60.8            | 62.4            | 59.0            |                          |                           |                           |
| 22-Mar-14 | 8:35  | 62.3            | 62.8            | 58.8            |                          |                           |                           |
| 22-Mar-14 | 8:40  | 60.5            | 61.9            | 58.6            |                          |                           |                           |
| 22-Mar-14 | 8:45  | 60.7            | 62.6            | 58.4            |                          |                           |                           |
| 22-Mar-14 | 8:50  | 60.1            | 61.6            | 58.2            |                          |                           |                           |
| 22-Mar-14 | 8:55  | 59.8            | 61.2            | 58.2            |                          |                           |                           |
| 22-Mar-14 | 9:00  | 59.7            | 61.3            | 58.0            | 60.4                     | 61.9                      | 58.4                      |
| 22-Mar-14 | 9:05  | 60.0            | 61.4            | 58.2            |                          |                           |                           |
| 22-Mar-14 | 9:10  | 60.3            | 62.0            | 58.3            |                          |                           |                           |
| 22-Mar-14 | 9:15  | 60.0            | 61.8            | 58.0            |                          |                           |                           |
| 22-Mar-14 | 9:20  | 60.9            | 62.5            | 59.0            |                          |                           |                           |
| 22-Mar-14 | 9:25  | 61.1            | 62.6            | 59.1            |                          |                           |                           |
| 22-Mar-14 | 9:30  | 60.3            | 61.8            | 58.5            |                          |                           |                           |
| 22-Mar-14 | 9:35  | 61.1            | 63.0            | 59.1            |                          |                           |                           |
| 22-Mar-14 | 9:40  | 61.1            | 62.8            | 59.2            |                          |                           |                           |
| 22-Mar-14 | 9:45  | 61.5            | 63.1            | 59.4            |                          |                           |                           |
| 22-Mar-14 | 9:50  | 61.4            | 62.9            | 59.3            |                          |                           |                           |
| 22-Mar-14 | 9:55  | 61.1            | 62.7            | 59.1            |                          |                           |                           |
| 22-Mar-14 | 10:00 | 61.7            | 63.8            | 59.2            | 64.8                     | 64.5                      | 59.7                      |
| 22-Mar-14 | 10:05 | 60.8            | 62.3            | 59.0            |                          |                           |                           |
| 22-Mar-14 | 10:10 | 61.1            | 62.9            | 58.8            |                          |                           |                           |
| 22-Mar-14 | 10:15 | 62.1            | 63.9            | 60.0            |                          |                           |                           |
| 22-Mar-14 | 10:20 | 62.1            | 63.6            | 60.2            |                          |                           |                           |
| 22-Mar-14 | 10:25 | 70.3            | 70.3            | 61.1            |                          |                           |                           |
| 22-Mar-14 | 10:30 | 62.8            | 64.1            | 61.1            |                          |                           |                           |
| 22-Mar-14 | 10:35 | 62.7            | 64.2            | 60.6            |                          |                           |                           |
| 22-Mar-14 | 10:40 | 62.9            | 64.8            | 60.1            |                          |                           |                           |
| 22-Mar-14 | 10:45 | 62.6            | 65.0            | 60.0            |                          |                           |                           |
| 22-Mar-14 | 10:50 | 62.4            | 64.3            | 60.0            |                          |                           |                           |
| 22-Mar-14 | 10:55 | 61.2            | 62.6            | 59.1            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 22-Mar-14 | 11:00 | 61.4            | 62.8            | 59.9            | 61.0                     | 62.5                      | 59.1                      |
| 22-Mar-14 | 11:05 | 61.1            | 62.5            | 59.3            |                          |                           |                           |
| 22-Mar-14 | 11:10 | 60.5            | 61.8            | 58.9            |                          |                           |                           |
| 22-Mar-14 | 11:15 | 61.1            | 62.6            | 59.3            |                          |                           |                           |
| 22-Mar-14 | 11:20 | 60.8            | 62.6            | 58.6            |                          |                           |                           |
| 22-Mar-14 | 11:25 | 60.8            | 62.5            | 58.4            |                          |                           |                           |
| 22-Mar-14 | 11:30 | 60.4            | 62.1            | 58.2            |                          |                           |                           |
| 22-Mar-14 | 11:35 | 58.6            | 60.1            | 57.0            |                          |                           |                           |
| 22-Mar-14 | 11:40 | 58.7            | 60.3            | 57.0            |                          |                           |                           |
| 22-Mar-14 | 11:45 | 58.7            | 60.4            | 56.7            |                          |                           |                           |
| 22-Mar-14 | 11:50 | 59.0            | 60.7            | 56.6            |                          |                           |                           |
| 22-Mar-14 | 11:55 | 58.0            | 59.7            | 55.8            |                          |                           |                           |
| 22-Mar-14 | 12:00 | 57.8            | 59.8            | 55.1            | 58.6                     | 60.4                      | 56.1                      |
| 22-Mar-14 | 12:05 | 58.7            | 60.3            | 56.3            |                          |                           |                           |
| 22-Mar-14 | 12:10 | 59.3            | 61.4            | 56.7            |                          |                           |                           |
| 22-Mar-14 | 12:15 | 58.5            | 60.3            | 56.1            |                          |                           |                           |
| 22-Mar-14 | 12:20 | 59.1            | 61.1            | 56.6            |                          |                           |                           |
| 22-Mar-14 | 12:25 | 58.1            | 59.3            | 55.5            |                          |                           |                           |
| 22-Mar-14 | 12:30 | 58.8            | 60.9            | 56.1            |                          |                           |                           |
| 22-Mar-14 | 12:35 | 58.3            | 59.8            | 56.1            |                          |                           |                           |
| 22-Mar-14 | 12:40 | 58.8            | 59.8            | 57.0            |                          |                           |                           |
| 22-Mar-14 | 12:45 | 58.8            | 60.5            | 56.3            |                          |                           |                           |
| 22-Mar-14 | 12:50 | 60.2            | 62.7            | 56.4            |                          |                           |                           |
| 22-Mar-14 | 12:55 | 59.3            | 61.7            | 56.2            |                          |                           |                           |
| 22-Mar-14 | 13:00 | 60.7            | 62.3            | 57.1            | 61.1                     | 62.7                      | 58.7                      |
| 22-Mar-14 | 13:05 | 61.2            | 63.3            | 58.1            |                          |                           |                           |
| 22-Mar-14 | 13:10 | 60.9            | 62.4            | 59.2            |                          |                           |                           |
| 22-Mar-14 | 13:15 | 61.0            | 62.7            | 58.7            |                          |                           |                           |
| 22-Mar-14 | 13:20 | 61.1            | 62.5            | 59.5            |                          |                           |                           |
| 22-Mar-14 | 13:25 | 61.5            | 62.9            | 59.8            |                          |                           |                           |
| 22-Mar-14 | 13:30 | 62.5            | 64.7            | 59.7            |                          |                           |                           |
| 22-Mar-14 | 13:35 | 61.8            | 63.6            | 59.3            |                          |                           |                           |
| 22-Mar-14 | 13:40 | 61.9            | 63.7            | 59.7            |                          |                           |                           |
| 22-Mar-14 | 13:45 | 62.0            | 63.7            | 59.8            |                          |                           |                           |
| 22-Mar-14 | 13:50 | 61.2            | 63.1            | 58.8            |                          |                           |                           |
| 22-Mar-14 | 13:55 | 61.8            | 63.7            | 59.3            |                          |                           |                           |
| 22-Mar-14 | 14:00 | 61.2            | 62.9            | 59.2            | 61.6                     | 63.5                      | 59.3                      |
| 22-Mar-14 | 14:05 | 61.3            | 63.3            | 59.1            |                          |                           |                           |
| 22-Mar-14 | 14:10 | 61.8            | 63.4            | 59.9            |                          |                           |                           |
| 22-Mar-14 | 14:15 | 61.3            | 62.9            | 59.1            |                          |                           |                           |
| 22-Mar-14 | 14:20 | 61.5            | 63.3            | 59.2            |                          |                           |                           |
| 22-Mar-14 | 14:25 | 62.4            | 65.0            | 59.1            |                          |                           |                           |
| 22-Mar-14 | 14:30 | 62.5            | 64.4            | 60.1            |                          |                           |                           |
| 22-Mar-14 | 14:35 | 61.4            | 63.1            | 59.5            |                          |                           |                           |
| 22-Mar-14 | 14:40 | 61.9            | 63.9            | 58.8            |                          |                           |                           |
| 22-Mar-14 | 14:45 | 61.4            | 62.9            | 59.3            |                          |                           |                           |
| 22-Mar-14 | 14:50 | 61.4            | 62.8            | 59.6            |                          |                           |                           |
| 22-Mar-14 | 14:55 | 62.7            | 64.0            | 60.0            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |  |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|--|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |  |
| 22-Mar-14 | 15:00 | 60.9            | 62.7            | 58.6            | 62.1                     | 63.9                      | 59.3                      |  |
| 22-Mar-14 | 15:05 | 63.9            | 66.4            | 59.5            |                          |                           |                           |  |
| 22-Mar-14 | 15:10 | 61.9            | 64.0            | 59.5            |                          |                           |                           |  |
| 22-Mar-14 | 15:15 | 62.7            | 64.8            | 59.9            |                          |                           |                           |  |
| 22-Mar-14 | 15:20 | 61.4            | 63.2            | 59.2            |                          |                           |                           |  |
| 22-Mar-14 | 15:25 | 61.1            | 62.5            | 59.3            |                          |                           |                           |  |
| 22-Mar-14 | 15:30 | 61.0            | 62.8            | 58.9            |                          |                           |                           |  |
| 22-Mar-14 | 15:35 | 60.7            | 62.4            | 58.5            |                          |                           |                           |  |
| 22-Mar-14 | 15:40 | 61.7            | 63.8            | 59.0            | 61.4                     | 63.2                      | 59.1                      |  |
| 22-Mar-14 | 15:45 | 61.4            | 63.5            | 59.0            |                          |                           |                           |  |
| 22-Mar-14 | 15:50 | 61.6            | 63.3            | 59.4            |                          |                           |                           |  |
| 22-Mar-14 | 15:55 | 61.9            | 63.4            | 59.7            |                          |                           |                           |  |
| 22-Mar-14 | 16:00 | 62.3            | 64.3            | 59.2            |                          |                           |                           |  |
| 22-Mar-14 | 16:05 | 62.1            | 63.7            | 60.1            |                          |                           |                           |  |
| 22-Mar-14 | 16:10 | 61.9            | 63.6            | 59.4            |                          |                           |                           |  |
| 22-Mar-14 | 16:15 | 61.9            | 63.6            | 59.7            |                          |                           |                           |  |
| 22-Mar-14 | 16:20 | 62.0            | 63.7            | 59.3            | 61.8                     | 63.5                      | 59.5                      |  |
| 22-Mar-14 | 16:25 | 60.6            | 62.0            | 59.0            |                          |                           |                           |  |
| 22-Mar-14 | 16:30 | 61.4            | 63.9            | 58.5            |                          |                           |                           |  |
| 22-Mar-14 | 16:35 | 60.6            | 61.9            | 58.7            |                          |                           |                           |  |
| 22-Mar-14 | 16:40 | 61.3            | 62.9            | 59.1            |                          |                           |                           |  |
| 22-Mar-14 | 16:45 | 61.5            | 63.7            | 58.3            |                          |                           |                           |  |
| 22-Mar-14 | 16:50 | 63.2            | 65.0            | 59.8            |                          |                           |                           |  |
| 22-Mar-14 | 16:55 | 62.1            | 64.4            | 59.2            |                          |                           |                           |  |
| 22-Mar-14 | 17:00 | 61.4            | 63.4            | 58.4            | 62.4                     | 64.4                      | 58.6                      |  |
| 22-Mar-14 | 17:05 | 63.5            | 65.6            | 58.9            |                          |                           |                           |  |
| 22-Mar-14 | 17:10 | 61.4            | 63.5            | 58.5            |                          |                           |                           |  |
| 22-Mar-14 | 17:15 | 63.6            | 65.6            | 59.9            |                          |                           |                           |  |
| 22-Mar-14 | 17:20 | 62.7            | 65.5            | 58.6            |                          |                           |                           |  |
| 22-Mar-14 | 17:25 | 60.8            | 62.6            | 57.5            |                          |                           |                           |  |
| 22-Mar-14 | 17:30 | 60.7            | 62.9            | 58.1            |                          |                           |                           |  |
| 22-Mar-14 | 17:35 | 59.9            | 61.7            | 57.7            |                          |                           |                           |  |
| 22-Mar-14 | 17:40 | 60.2            | 61.9            | 58.0            | 59.6                     | 61.4                      | 57.3                      |  |
| 22-Mar-14 | 17:45 | 58.7            | 59.9            | 56.9            |                          |                           |                           |  |
| 22-Mar-14 | 17:50 | 58.9            | 60.7            | 56.5            |                          |                           |                           |  |
| 22-Mar-14 | 17:55 | 59.1            | 61.0            | 56.6            |                          |                           |                           |  |
| 22-Mar-14 | 18:00 | 59.0            | 60.8            | 56.6            |                          |                           |                           |  |
| 22-Mar-14 | 18:05 | 58.2            | 59.9            | 56.3            |                          |                           |                           |  |
| 22-Mar-14 | 18:10 | 57.8            | 59.5            | 55.9            |                          |                           |                           |  |
| 22-Mar-14 | 18:15 | 58.8            | 61.7            | 55.2            |                          |                           |                           |  |
| 22-Mar-14 | 18:20 | 57.5            | 59.4            | 55.1            | 58.2                     | 60.2                      | 55.7                      |  |
| 22-Mar-14 | 18:25 | 58.0            | 59.9            | 55.3            |                          |                           |                           |  |
| 22-Mar-14 | 18:30 | 58.4            | 60.0            | 55.4            |                          |                           |                           |  |
| 22-Mar-14 | 18:35 | 57.9            | 60.5            | 54.9            |                          |                           |                           |  |
| 22-Mar-14 | 18:40 | 57.6            | 59.2            | 55.2            |                          |                           |                           |  |
| 22-Mar-14 | 18:45 | 57.8            | 59.9            | 54.2            |                          |                           |                           |  |
| 22-Mar-14 | 18:50 | 57.0            | 59.0            | 53.6            |                          |                           |                           |  |
| 22-Mar-14 | 18:55 | 56.8            | 58.6            | 54.5            |                          |                           |                           |  |
|           |       | Mean            | 59.8            | 61.5            | 57.5                     |                           |                           |  |
|           |       | Maximum         | 61.6            | 63.5            | 59.3                     |                           |                           |  |
|           |       | Minimum         | 54.6            | 56.2            | 52.0                     |                           |                           |  |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 24-Mar-14 | 7:00  | 54.5            | 56.5            | 52.2            | 55.9                     | 57.6                      | 53.5                      |
| 24-Mar-14 | 7:05  | 55.4            | 56.8            | 53.2            |                          |                           |                           |
| 24-Mar-14 | 7:10  | 56.5            | 58.6            | 53.4            |                          |                           |                           |
| 24-Mar-14 | 7:15  | 56.5            | 58.6            | 54.2            |                          |                           |                           |
| 24-Mar-14 | 7:20  | 55.6            | 57.1            | 54.0            |                          |                           |                           |
| 24-Mar-14 | 7:25  | 56.5            | 58.0            | 54.0            |                          |                           |                           |
| 24-Mar-14 | 7:30  | 57.2            | 58.5            | 55.9            |                          |                           |                           |
| 24-Mar-14 | 7:35  | 57.9            | 59.7            | 55.7            |                          |                           |                           |
| 24-Mar-14 | 7:40  | 59.6            | 62.0            | 56.5            | 58.5                     | 60.4                      | 56.0                      |
| 24-Mar-14 | 7:45  | 58.2            | 59.8            | 55.9            |                          |                           |                           |
| 24-Mar-14 | 7:50  | 59.0            | 60.9            | 56.1            |                          |                           |                           |
| 24-Mar-14 | 7:55  | 58.7            | 61.2            | 55.9            |                          |                           |                           |
| 24-Mar-14 | 8:00  | 57.6            | 59.0            | 55.8            |                          |                           |                           |
| 24-Mar-14 | 8:05  | 59.8            | 62.5            | 56.5            |                          |                           |                           |
| 24-Mar-14 | 8:10  | 58.6            | 60.0            | 56.7            |                          |                           |                           |
| 24-Mar-14 | 8:15  | 59.5            | 61.3            | 57.1            |                          |                           |                           |
| 24-Mar-14 | 8:20  | 59.7            | 61.1            | 57.7            | 64.6                     | 64.4                      | 60.0                      |
| 24-Mar-14 | 8:25  | 62.1            | 62.7            | 59.7            |                          |                           |                           |
| 24-Mar-14 | 8:30  | 62.7            | 63.5            | 60.5            |                          |                           |                           |
| 24-Mar-14 | 8:35  | 63.1            | 64.8            | 60.4            |                          |                           |                           |
| 24-Mar-14 | 8:40  | 62.5            | 63.1            | 60.1            |                          |                           |                           |
| 24-Mar-14 | 8:45  | 69.3            | 67.7            | 61.2            |                          |                           |                           |
| 24-Mar-14 | 8:50  | 61.3            | 63.3            | 58.5            |                          |                           |                           |
| 24-Mar-14 | 8:55  | 62.9            | 63.9            | 59.1            |                          |                           |                           |
| 24-Mar-14 | 9:00  | 63.0            | 64.9            | 59.1            | 61.9                     | 63.4                      | 59.2                      |
| 24-Mar-14 | 9:05  | 61.9            | 63.4            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 9:10  | 61.7            | 63.7            | 59.1            |                          |                           |                           |
| 24-Mar-14 | 9:15  | 62.6            | 63.9            | 59.9            |                          |                           |                           |
| 24-Mar-14 | 9:20  | 61.1            | 62.6            | 59.1            |                          |                           |                           |
| 24-Mar-14 | 9:25  | 60.6            | 61.9            | 59.0            |                          |                           |                           |
| 24-Mar-14 | 9:30  | 60.8            | 62.0            | 58.9            |                          |                           |                           |
| 24-Mar-14 | 9:35  | 60.2            | 61.8            | 57.8            |                          |                           |                           |
| 24-Mar-14 | 9:40  | 61.6            | 63.3            | 58.9            | 62.0                     | 62.9                      | 59.3                      |
| 24-Mar-14 | 9:45  | 62.7            | 63.4            | 60.1            |                          |                           |                           |
| 24-Mar-14 | 9:50  | 63.1            | 63.3            | 60.3            |                          |                           |                           |
| 24-Mar-14 | 9:55  | 62.6            | 63.8            | 60.0            |                          |                           |                           |
| 24-Mar-14 | 10:00 | 62.7            | 64.6            | 59.7            |                          |                           |                           |
| 24-Mar-14 | 10:05 | 61.1            | 62.6            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 10:10 | 61.8            | 63.2            | 59.3            |                          |                           |                           |
| 24-Mar-14 | 10:15 | 62.3            | 64.5            | 59.3            |                          |                           |                           |
| 24-Mar-14 | 10:20 | 60.6            | 61.8            | 58.7            | 61.1                     | 62.8                      | 58.8                      |
| 24-Mar-14 | 10:25 | 60.6            | 61.9            | 58.4            |                          |                           |                           |
| 24-Mar-14 | 10:30 | 61.9            | 63.8            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 10:35 | 60.1            | 61.8            | 58.0            |                          |                           |                           |
| 24-Mar-14 | 10:40 | 61.1            | 62.8            | 59.0            |                          |                           |                           |
| 24-Mar-14 | 10:45 | 60.7            | 62.3            | 58.8            |                          |                           |                           |
| 24-Mar-14 | 10:50 | 60.7            | 62.5            | 58.4            |                          |                           |                           |
| 24-Mar-14 | 10:55 | 61.6            | 63.6            | 59.1            |                          |                           |                           |

## Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 24-Mar-14 | 11:00 | 60.9            | 62.6            | 58.8            | 60.9                     | 62.4                      | 58.5                      |
| 24-Mar-14 | 11:05 | 60.9            | 62.7            | 58.5            |                          |                           |                           |
| 24-Mar-14 | 11:10 | 60.5            | 62.0            | 58.4            |                          |                           |                           |
| 24-Mar-14 | 11:15 | 61.4            | 63.0            | 58.8            |                          |                           |                           |
| 24-Mar-14 | 11:20 | 60.7            | 62.1            | 58.4            |                          |                           |                           |
| 24-Mar-14 | 11:25 | 60.7            | 61.9            | 58.3            |                          |                           |                           |
| 24-Mar-14 | 11:30 | 60.3            | 61.9            | 58.4            |                          |                           |                           |
| 24-Mar-14 | 11:35 | 60.1            | 61.4            | 58.2            |                          |                           |                           |
| 24-Mar-14 | 11:40 | 59.8            | 60.9            | 57.3            |                          |                           |                           |
| 24-Mar-14 | 11:45 | 58.8            | 59.8            | 57.1            |                          |                           |                           |
| 24-Mar-14 | 11:50 | 58.9            | 60.9            | 57.0            |                          |                           |                           |
| 24-Mar-14 | 11:55 | 60.0            | 61.8            | 57.5            |                          |                           |                           |
| 24-Mar-14 | 12:00 | 60.4            | 62.6            | 58.0            | 59.1                     | 60.6                      | 57.1                      |
| 24-Mar-14 | 12:05 | 58.4            | 59.1            | 57.0            |                          |                           |                           |
| 24-Mar-14 | 12:10 | 58.8            | 59.9            | 57.2            |                          |                           |                           |
| 24-Mar-14 | 12:15 | 59.4            | 61.2            | 57.3            |                          |                           |                           |
| 24-Mar-14 | 12:20 | 58.5            | 59.9            | 56.5            |                          |                           |                           |
| 24-Mar-14 | 12:25 | 58.7            | 60.7            | 56.3            |                          |                           |                           |
| 24-Mar-14 | 12:30 | 58.6            | 60.6            | 56.2            |                          |                           |                           |
| 24-Mar-14 | 12:35 | 59.2            | 61.4            | 56.3            |                          |                           |                           |
| 24-Mar-14 | 12:40 | 58.6            | 60.2            | 56.9            |                          |                           |                           |
| 24-Mar-14 | 12:45 | 59.3            | 61.4            | 56.7            |                          |                           |                           |
| 24-Mar-14 | 12:50 | 59.1            | 61.0            | 57.1            |                          |                           |                           |
| 24-Mar-14 | 12:55 | 59.6            | 61.7            | 56.7            |                          |                           |                           |
| 24-Mar-14 | 13:00 | 61.0            | 64.1            | 57.6            | 62.8                     | 65.1                      | 59.0                      |
| 24-Mar-14 | 13:05 | 62.2            | 63.9            | 58.3            |                          |                           |                           |
| 24-Mar-14 | 13:10 | 62.0            | 64.2            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 13:15 | 63.2            | 65.4            | 59.8            |                          |                           |                           |
| 24-Mar-14 | 13:20 | 64.9            | 67.7            | 60.1            |                          |                           |                           |
| 24-Mar-14 | 13:25 | 62.6            | 65.2            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 13:30 | 62.1            | 64.5            | 58.5            |                          |                           |                           |
| 24-Mar-14 | 13:35 | 61.6            | 64.1            | 58.2            |                          |                           |                           |
| 24-Mar-14 | 13:40 | 61.4            | 62.7            | 58.4            |                          |                           |                           |
| 24-Mar-14 | 13:45 | 61.2            | 62.6            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 13:50 | 66.0            | 67.8            | 59.0            |                          |                           |                           |
| 24-Mar-14 | 13:55 | 61.1            | 62.6            | 58.7            |                          |                           |                           |
| 24-Mar-14 | 14:00 | 62.2            | 63.6            | 59.5            | 61.8                     | 63.1                      | 59.0                      |
| 24-Mar-14 | 14:05 | 63.6            | 65.8            | 60.3            |                          |                           |                           |
| 24-Mar-14 | 14:10 | 61.7            | 62.8            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 14:15 | 61.0            | 62.6            | 58.8            |                          |                           |                           |
| 24-Mar-14 | 14:20 | 61.2            | 61.8            | 58.1            |                          |                           |                           |
| 24-Mar-14 | 14:25 | 60.4            | 61.9            | 58.2            |                          |                           |                           |
| 24-Mar-14 | 14:30 | 60.7            | 61.9            | 58.3            |                          |                           |                           |
| 24-Mar-14 | 14:35 | 62.1            | 64.1            | 58.8            |                          |                           |                           |
| 24-Mar-14 | 14:40 | 62.2            | 63.4            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 14:45 | 63.2            | 65.6            | 59.1            |                          |                           |                           |
| 24-Mar-14 | 14:50 | 62.0            | 63.9            | 59.0            |                          |                           |                           |
| 24-Mar-14 | 14:55 | 63.3            | 62.4            | 58.7            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 24-Mar-14 | 15:00 | 60.3            | 61.7            | 58.7            | 63.3                     | 63.8                      | 59.4                      |
| 24-Mar-14 | 15:05 | 62.8            | 63.7            | 59.5            |                          |                           |                           |
| 24-Mar-14 | 15:10 | 62.0            | 63.5            | 59.9            |                          |                           |                           |
| 24-Mar-14 | 15:15 | 64.5            | 66.0            | 60.5            |                          |                           |                           |
| 24-Mar-14 | 15:20 | 62.4            | 64.0            | 59.3            |                          |                           |                           |
| 24-Mar-14 | 15:25 | 65.7            | 63.9            | 58.6            |                          |                           |                           |
| 24-Mar-14 | 15:30 | 61.8            | 63.5            | 58.5            |                          |                           |                           |
| 24-Mar-14 | 15:35 | 62.8            | 65.9            | 58.8            |                          |                           |                           |
| 24-Mar-14 | 15:40 | 62.3            | 64.9            | 58.5            |                          |                           |                           |
| 24-Mar-14 | 15:45 | 61.9            | 63.7            | 59.4            |                          |                           |                           |
| 24-Mar-14 | 15:50 | 61.8            | 63.0            | 59.4            |                          |                           |                           |
| 24-Mar-14 | 15:55 | 61.3            | 63.0            | 59.1            |                          |                           |                           |
| 24-Mar-14 | 16:00 | 60.8            | 62.8            | 58.5            | 61.7                     | 63.3                      | 59.5                      |
| 24-Mar-14 | 16:05 | 61.8            | 63.5            | 59.2            |                          |                           |                           |
| 24-Mar-14 | 16:10 | 62.6            | 64.4            | 60.2            |                          |                           |                           |
| 24-Mar-14 | 16:15 | 61.7            | 63.3            | 59.9            |                          |                           |                           |
| 24-Mar-14 | 16:20 | 61.6            | 63.1            | 59.9            |                          |                           |                           |
| 24-Mar-14 | 16:25 | 61.5            | 62.9            | 59.3            |                          |                           |                           |
| 24-Mar-14 | 16:30 | 62.1            | 63.6            | 59.7            |                          |                           |                           |
| 24-Mar-14 | 16:35 | 62.5            | 64.3            | 60.1            |                          |                           |                           |
| 24-Mar-14 | 16:40 | 62.7            | 63.9            | 60.1            |                          |                           |                           |
| 24-Mar-14 | 16:45 | 63.1            | 64.6            | 60.9            |                          |                           |                           |
| 24-Mar-14 | 16:50 | 62.5            | 64.2            | 59.4            |                          |                           |                           |
| 24-Mar-14 | 16:55 | 62.4            | 64.9            | 58.1            |                          |                           |                           |
| 24-Mar-14 | 17:00 | 61.1            | 63.3            | 57.7            | 60.7                     | 62.7                      | 57.9                      |
| 24-Mar-14 | 17:05 | 60.4            | 62.2            | 58.1            |                          |                           |                           |
| 24-Mar-14 | 17:10 | 61.1            | 63.1            | 58.2            |                          |                           |                           |
| 24-Mar-14 | 17:15 | 60.3            | 62.0            | 58.0            |                          |                           |                           |
| 24-Mar-14 | 17:20 | 60.5            | 62.7            | 57.5            |                          |                           |                           |
| 24-Mar-14 | 17:25 | 60.7            | 62.7            | 57.6            |                          |                           |                           |
| 24-Mar-14 | 17:30 | 59.0            | 61.0            | 56.4            |                          |                           |                           |
| 24-Mar-14 | 17:35 | 59.4            | 62.0            | 56.7            |                          |                           |                           |
| 24-Mar-14 | 17:40 | 58.6            | 60.7            | 56.4            |                          |                           |                           |
| 24-Mar-14 | 17:45 | 59.1            | 61.0            | 56.6            |                          |                           |                           |
| 24-Mar-14 | 17:50 | 59.0            | 61.0            | 56.4            |                          |                           |                           |
| 24-Mar-14 | 17:55 | 58.2            | 59.9            | 56.1            | 57.4                     | 59.1                      | 54.9                      |
| 24-Mar-14 | 18:00 | 58.4            | 60.3            | 55.6            |                          |                           |                           |
| 24-Mar-14 | 18:05 | 57.9            | 59.5            | 55.8            |                          |                           |                           |
| 24-Mar-14 | 18:10 | 58.1            | 60.3            | 55.0            |                          |                           |                           |
| 24-Mar-14 | 18:15 | 57.2            | 58.6            | 55.1            |                          |                           |                           |
| 24-Mar-14 | 18:20 | 56.6            | 58.3            | 54.1            |                          |                           |                           |
| 24-Mar-14 | 18:25 | 56.0            | 57.8            | 54.0            |                          |                           |                           |
| 24-Mar-14 | 18:30 | 57.2            | 59.2            | 54.5            |                          |                           |                           |
| 24-Mar-14 | 18:35 | 58.5            | 60.8            | 55.4            |                          |                           |                           |
| 24-Mar-14 | 18:40 | 58.3            | 60.7            | 54.8            |                          |                           |                           |
| 24-Mar-14 | 18:45 | 59.3            | 61.9            | 56.0            |                          |                           |                           |
| 24-Mar-14 | 18:50 | 59.4            | 61.6            | 55.5            |                          |                           |                           |
| 24-Mar-14 | 18:55 | 60.3            | 60.9            | 55.6            |                          |                           |                           |

Mean      59.6      61.3      57.1  
Maximum    61.6      63.1      59.1  
Minimum    55.9      57.6      53.5

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 25-Mar-14 | 7:00  | 53.9            | 55.2            | 51.6            | 56.6                     | 58.3                      | 53.6                      |
| 25-Mar-14 | 7:05  | 55.6            | 57.4            | 53.2            |                          |                           |                           |
| 25-Mar-14 | 7:10  | 57.8            | 60.3            | 54.6            |                          |                           |                           |
| 25-Mar-14 | 7:15  | 55.6            | 57.0            | 53.6            |                          |                           |                           |
| 25-Mar-14 | 7:20  | 56.5            | 57.9            | 53.2            |                          |                           |                           |
| 25-Mar-14 | 7:25  | 58.7            | 61.8            | 55.1            |                          |                           |                           |
| 25-Mar-14 | 7:30  | 56.9            | 58.3            | 55.2            |                          |                           |                           |
| 25-Mar-14 | 7:35  | 57.1            | 59.1            | 54.6            |                          |                           |                           |
| 25-Mar-14 | 7:40  | 59.0            | 61.5            | 56.0            | 58.7                     | 60.9                      | 55.8                      |
| 25-Mar-14 | 7:45  | 60.1            | 63.6            | 56.1            |                          |                           |                           |
| 25-Mar-14 | 7:50  | 59.5            | 62.1            | 56.6            |                          |                           |                           |
| 25-Mar-14 | 7:55  | 58.9            | 60.8            | 56.4            |                          |                           |                           |
| 25-Mar-14 | 8:00  | 59.0            | 60.5            | 56.5            |                          |                           |                           |
| 25-Mar-14 | 8:05  | 62.3            | 63.5            | 59.5            |                          |                           |                           |
| 25-Mar-14 | 8:10  | 62.2            | 62.7            | 59.3            |                          |                           |                           |
| 25-Mar-14 | 8:15  | 63.1            | 64.1            | 59.7            |                          |                           |                           |
| 25-Mar-14 | 8:20  | 61.3            | 62.7            | 58.3            | 61.7                     | 62.7                      | 58.6                      |
| 25-Mar-14 | 8:25  | 60.9            | 62.4            | 58.3            |                          |                           |                           |
| 25-Mar-14 | 8:30  | 61.4            | 63.1            | 59.1            |                          |                           |                           |
| 25-Mar-14 | 8:35  | 61.4            | 62.7            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 8:40  | 61.1            | 62.5            | 59.4            |                          |                           |                           |
| 25-Mar-14 | 8:45  | 62.2            | 63.5            | 59.1            |                          |                           |                           |
| 25-Mar-14 | 8:50  | 64.3            | 67.0            | 58.5            |                          |                           |                           |
| 25-Mar-14 | 8:55  | 62.2            | 63.9            | 58.6            |                          |                           |                           |
| 25-Mar-14 | 9:00  | 62.0            | 63.9            | 59.1            | 62.2                     | 63.8                      | 59.0                      |
| 25-Mar-14 | 9:05  | 62.3            | 64.8            | 59.1            |                          |                           |                           |
| 25-Mar-14 | 9:10  | 63.1            | 65.1            | 59.3            |                          |                           |                           |
| 25-Mar-14 | 9:15  | 61.7            | 63.1            | 58.1            |                          |                           |                           |
| 25-Mar-14 | 9:20  | 62.0            | 63.9            | 59.2            |                          |                           |                           |
| 25-Mar-14 | 9:25  | 60.6            | 62.2            | 58.5            |                          |                           |                           |
| 25-Mar-14 | 9:30  | 60.7            | 62.0            | 58.2            |                          |                           |                           |
| 25-Mar-14 | 9:35  | 62.5            | 64.1            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 9:40  | 60.8            | 62.0            | 58.8            | 61.8                     | 63.0                      | 58.9                      |
| 25-Mar-14 | 9:45  | 61.1            | 62.6            | 58.2            |                          |                           |                           |
| 25-Mar-14 | 9:50  | 62.6            | 63.8            | 59.4            |                          |                           |                           |
| 25-Mar-14 | 9:55  | 62.6            | 63.4            | 59.8            |                          |                           |                           |
| 25-Mar-14 | 10:00 | 61.5            | 62.4            | 58.5            |                          |                           |                           |
| 25-Mar-14 | 10:05 | 60.2            | 62.2            | 57.9            |                          |                           |                           |
| 25-Mar-14 | 10:10 | 59.9            | 61.6            | 57.4            |                          |                           |                           |
| 25-Mar-14 | 10:15 | 60.9            | 62.5            | 58.2            |                          |                           |                           |
| 25-Mar-14 | 10:20 | 60.2            | 61.9            | 58.1            | 60.6                     | 62.2                      | 58.1                      |
| 25-Mar-14 | 10:25 | 60.9            | 62.7            | 58.6            |                          |                           |                           |
| 25-Mar-14 | 10:30 | 60.2            | 61.7            | 58.0            |                          |                           |                           |
| 25-Mar-14 | 10:35 | 60.2            | 61.9            | 57.6            |                          |                           |                           |
| 25-Mar-14 | 10:40 | 59.8            | 61.2            | 57.6            |                          |                           |                           |
| 25-Mar-14 | 10:45 | 60.2            | 61.7            | 58.2            |                          |                           |                           |
| 25-Mar-14 | 10:50 | 60.0            | 61.6            | 58.0            |                          |                           |                           |
| 25-Mar-14 | 10:55 | 61.9            | 63.5            | 59.2            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 25-Mar-14 | 11:00 | 61.3            | 63.0            | 59.0            | 61.5                     | 63.4                      | 58.7                      |
| 25-Mar-14 | 11:05 | 61.1            | 62.9            | 58.4            |                          |                           |                           |
| 25-Mar-14 | 11:10 | 61.6            | 63.6            | 58.9            |                          |                           |                           |
| 25-Mar-14 | 11:15 | 62.2            | 63.7            | 59.2            |                          |                           |                           |
| 25-Mar-14 | 11:20 | 61.4            | 63.6            | 58.3            |                          |                           |                           |
| 25-Mar-14 | 11:25 | 61.2            | 63.3            | 58.3            |                          |                           |                           |
| 25-Mar-14 | 11:30 | 59.8            | 61.2            | 56.9            |                          |                           |                           |
| 25-Mar-14 | 11:35 | 58.9            | 61.1            | 56.3            |                          |                           |                           |
| 25-Mar-14 | 11:40 | 58.7            | 60.3            | 56.1            | 59.2                     | 60.8                      | 56.2                      |
| 25-Mar-14 | 11:45 | 58.7            | 60.3            | 56.4            |                          |                           |                           |
| 25-Mar-14 | 11:50 | 59.4            | 61.3            | 55.8            |                          |                           |                           |
| 25-Mar-14 | 11:55 | 59.8            | 60.5            | 55.8            |                          |                           |                           |
| 25-Mar-14 | 12:00 | 59.0            | 59.6            | 56.4            |                          |                           |                           |
| 25-Mar-14 | 12:05 | 59.1            | 59.9            | 56.5            |                          |                           |                           |
| 25-Mar-14 | 12:10 | 58.4            | 58.8            | 56.2            |                          |                           |                           |
| 25-Mar-14 | 12:15 | 59.0            | 60.0            | 56.9            |                          |                           |                           |
| 25-Mar-14 | 12:20 | 58.1            | 58.6            | 55.7            | 59.3                     | 60.4                      | 56.3                      |
| 25-Mar-14 | 12:25 | 58.4            | 58.7            | 55.5            |                          |                           |                           |
| 25-Mar-14 | 12:30 | 58.9            | 59.7            | 56.1            |                          |                           |                           |
| 25-Mar-14 | 12:35 | 59.4            | 61.2            | 56.3            |                          |                           |                           |
| 25-Mar-14 | 12:40 | 57.7            | 58.4            | 55.5            |                          |                           |                           |
| 25-Mar-14 | 12:45 | 59.7            | 60.5            | 56.7            |                          |                           |                           |
| 25-Mar-14 | 12:50 | 59.7            | 60.8            | 56.1            |                          |                           |                           |
| 25-Mar-14 | 12:55 | 59.9            | 61.6            | 56.8            |                          |                           |                           |
| 25-Mar-14 | 13:00 | 60.5            | 62.2            | 56.9            | 62.6                     | 64.3                      | 59.1                      |
| 25-Mar-14 | 13:05 | 62.7            | 64.0            | 59.5            |                          |                           |                           |
| 25-Mar-14 | 13:10 | 63.3            | 64.8            | 60.1            |                          |                           |                           |
| 25-Mar-14 | 13:15 | 63.0            | 64.4            | 60.0            |                          |                           |                           |
| 25-Mar-14 | 13:20 | 62.1            | 64.0            | 59.2            |                          |                           |                           |
| 25-Mar-14 | 13:25 | 63.4            | 66.1            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 13:30 | 63.5            | 65.5            | 60.0            |                          |                           |                           |
| 25-Mar-14 | 13:35 | 62.7            | 64.4            | 60.0            |                          |                           |                           |
| 25-Mar-14 | 13:40 | 63.1            | 64.4            | 60.4            | 62.8                     | 64.6                      | 59.9                      |
| 25-Mar-14 | 13:45 | 62.4            | 64.1            | 59.8            |                          |                           |                           |
| 25-Mar-14 | 13:50 | 62.4            | 64.0            | 59.3            |                          |                           |                           |
| 25-Mar-14 | 13:55 | 62.8            | 65.0            | 59.6            |                          |                           |                           |
| 25-Mar-14 | 14:00 | 61.7            | 63.6            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 14:05 | 62.2            | 63.7            | 59.7            |                          |                           |                           |
| 25-Mar-14 | 14:10 | 61.3            | 62.8            | 59.1            |                          |                           |                           |
| 25-Mar-14 | 14:15 | 60.8            | 62.6            | 58.8            |                          |                           |                           |
| 25-Mar-14 | 14:20 | 60.6            | 62.3            | 58.6            | 61.3                     | 62.9                      | 59.0                      |
| 25-Mar-14 | 14:25 | 60.7            | 62.4            | 58.5            |                          |                           |                           |
| 25-Mar-14 | 14:30 | 61.4            | 63.2            | 59.2            |                          |                           |                           |
| 25-Mar-14 | 14:35 | 62.5            | 64.0            | 60.0            |                          |                           |                           |
| 25-Mar-14 | 14:40 | 62.6            | 64.1            | 60.1            |                          |                           |                           |
| 25-Mar-14 | 14:45 | 63.0            | 64.0            | 61.1            |                          |                           |                           |
| 25-Mar-14 | 14:50 | 62.8            | 63.8            | 60.8            |                          |                           |                           |
| 25-Mar-14 | 14:55 | 62.3            | 63.7            | 60.3            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 25-Mar-14 | 15:00 | 63.0            | 64.8            | 60.3            | 61.8                     | 63.3                      | 59.5                      |
| 25-Mar-14 | 15:05 | 61.9            | 63.6            | 59.4            |                          |                           |                           |
| 25-Mar-14 | 15:10 | 61.6            | 63.3            | 59.3            |                          |                           |                           |
| 25-Mar-14 | 15:15 | 61.0            | 62.5            | 59.1            |                          |                           |                           |
| 25-Mar-14 | 15:20 | 61.1            | 62.4            | 59.2            |                          |                           |                           |
| 25-Mar-14 | 15:25 | 61.9            | 63.4            | 59.5            |                          |                           |                           |
| 25-Mar-14 | 15:30 | 63.0            | 65.5            | 58.3            |                          |                           |                           |
| 25-Mar-14 | 15:35 | 62.0            | 64.1            | 58.6            |                          |                           |                           |
| 25-Mar-14 | 15:40 | 62.2            | 64.6            | 58.6            |                          |                           |                           |
| 25-Mar-14 | 15:45 | 61.9            | 64.2            | 58.3            |                          |                           |                           |
| 25-Mar-14 | 15:50 | 61.7            | 63.7            | 58.4            | 62.0                     | 64.2                      | 58.4                      |
| 25-Mar-14 | 15:55 | 61.2            | 62.9            | 58.1            |                          |                           |                           |
| 25-Mar-14 | 16:00 | 61.3            | 62.9            | 58.2            |                          |                           |                           |
| 25-Mar-14 | 16:05 | 61.2            | 62.8            | 58.5            |                          |                           |                           |
| 25-Mar-14 | 16:10 | 61.2            | 62.8            | 59.1            |                          |                           |                           |
| 25-Mar-14 | 16:15 | 60.8            | 62.5            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 16:20 | 62.6            | 65.3            | 59.3            |                          |                           |                           |
| 25-Mar-14 | 16:25 | 63.1            | 65.7            | 59.6            |                          |                           |                           |
| 25-Mar-14 | 16:30 | 63.2            | 65.9            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 16:35 | 61.8            | 63.5            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 16:40 | 65.0            | 68.0            | 59.1            | 62.9                     | 65.1                      | 58.7                      |
| 25-Mar-14 | 16:45 | 61.6            | 64.2            | 57.6            |                          |                           |                           |
| 25-Mar-14 | 16:50 | 63.2            | 65.6            | 58.6            |                          |                           |                           |
| 25-Mar-14 | 16:55 | 61.6            | 63.6            | 58.6            |                          |                           |                           |
| 25-Mar-14 | 17:00 | 61.8            | 63.3            | 58.4            |                          |                           |                           |
| 25-Mar-14 | 17:05 | 61.8            | 63.7            | 59.0            |                          |                           |                           |
| 25-Mar-14 | 17:10 | 61.9            | 63.4            | 58.4            |                          |                           |                           |
| 25-Mar-14 | 17:15 | 60.6            | 61.9            | 57.8            |                          |                           |                           |
| 25-Mar-14 | 17:20 | 59.9            | 61.9            | 57.5            |                          |                           |                           |
| 25-Mar-14 | 17:25 | 60.0            | 61.5            | 57.4            |                          |                           |                           |
| 25-Mar-14 | 17:30 | 60.9            | 63.4            | 57.5            | 61.1                     | 62.6                      | 58.1                      |
| 25-Mar-14 | 17:35 | 60.3            | 62.6            | 57.8            |                          |                           |                           |
| 25-Mar-14 | 17:40 | 59.8            | 61.7            | 56.7            |                          |                           |                           |
| 25-Mar-14 | 17:45 | 59.8            | 62.3            | 56.8            |                          |                           |                           |
| 25-Mar-14 | 17:50 | 59.9            | 61.9            | 56.8            |                          |                           |                           |
| 25-Mar-14 | 17:55 | 59.5            | 61.8            | 56.7            |                          |                           |                           |
| 25-Mar-14 | 18:00 | 58.9            | 60.9            | 55.9            |                          |                           |                           |
| 25-Mar-14 | 18:05 | 57.9            | 59.6            | 55.5            |                          |                           |                           |
| 25-Mar-14 | 18:10 | 58.8            | 61.2            | 56.0            |                          |                           |                           |
| 25-Mar-14 | 18:15 | 59.2            | 61.8            | 56.0            |                          |                           |                           |
| 25-Mar-14 | 18:20 | 58.6            | 60.6            | 56.1            | 60.1                     | 62.3                      | 57.1                      |
| 25-Mar-14 | 18:25 | 58.4            | 60.3            | 56.2            |                          |                           |                           |
| 25-Mar-14 | 18:30 | 60.8            | 63.7            | 56.2            |                          |                           |                           |
| 25-Mar-14 | 18:35 | 60.1            | 63.8            | 55.9            |                          |                           |                           |
| 25-Mar-14 | 18:40 | 59.2            | 61.2            | 56.3            |                          |                           |                           |
| 25-Mar-14 | 18:45 | 58.6            | 59.8            | 56.0            |                          |                           |                           |
| 25-Mar-14 | 18:50 | 57.5            | 59.7            | 55.2            |                          |                           |                           |
| 25-Mar-14 | 18:55 | 57.8            | 59.7            | 55.3            |                          |                           |                           |
|           |       | Mean            | 59.8            | 61.5            | 57.1                     | 58.7                      | 60.7                      |
|           |       | Maximum         | 61.5            | 63.4            | 59.0                     |                           |                           |
|           |       | Minimum         | 56.6            | 58.3            | 53.6                     |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 26-Mar-14 | 7:00  | 54.0            | 55.9            | 52.0            | 56.0                     | 57.7                      | 53.6                      |
| 26-Mar-14 | 7:05  | 54.4            | 55.8            | 52.8            |                          |                           |                           |
| 26-Mar-14 | 7:10  | 56.0            | 57.8            | 53.5            |                          |                           |                           |
| 26-Mar-14 | 7:15  | 56.0            | 57.7            | 54.0            |                          |                           |                           |
| 26-Mar-14 | 7:20  | 56.9            | 58.9            | 54.0            |                          |                           |                           |
| 26-Mar-14 | 7:25  | 57.8            | 59.8            | 55.0            |                          |                           |                           |
| 26-Mar-14 | 7:30  | 59.4            | 59.1            | 55.1            |                          |                           |                           |
| 26-Mar-14 | 7:35  | 57.9            | 59.8            | 55.5            |                          |                           |                           |
| 26-Mar-14 | 7:40  | 58.3            | 60.7            | 55.4            |                          |                           |                           |
| 26-Mar-14 | 7:45  | 57.1            | 58.3            | 55.4            |                          |                           |                           |
| 26-Mar-14 | 7:50  | 59.1            | 61.2            | 56.4            | 64.1                     | 65.3                      | 60.9                      |
| 26-Mar-14 | 7:55  | 62.6            | 65.8            | 57.5            |                          |                           |                           |
| 26-Mar-14 | 8:00  | 63.5            | 65.1            | 60.7            |                          |                           |                           |
| 26-Mar-14 | 8:05  | 62.3            | 63.6            | 60.2            |                          |                           |                           |
| 26-Mar-14 | 8:10  | 63.2            | 65.4            | 59.7            |                          |                           |                           |
| 26-Mar-14 | 8:15  | 63.7            | 65.1            | 60.7            |                          |                           |                           |
| 26-Mar-14 | 8:20  | 64.7            | 66.7            | 62.0            |                          |                           |                           |
| 26-Mar-14 | 8:25  | 66.2            | 65.7            | 61.8            |                          |                           |                           |
| 26-Mar-14 | 8:30  | 64.6            | 66.3            | 61.8            |                          |                           |                           |
| 26-Mar-14 | 8:35  | 65.8            | 68.1            | 61.3            |                          |                           |                           |
| 26-Mar-14 | 8:40  | 61.6            | 63.7            | 59.3            | 63.2                     | 64.9                      | 59.8                      |
| 26-Mar-14 | 8:45  | 61.2            | 63.1            | 58.7            |                          |                           |                           |
| 26-Mar-14 | 8:50  | 61.5            | 63.6            | 58.8            |                          |                           |                           |
| 26-Mar-14 | 8:55  | 62.0            | 64.3            | 58.8            |                          |                           |                           |
| 26-Mar-14 | 9:00  | 63.3            | 65.4            | 59.6            |                          |                           |                           |
| 26-Mar-14 | 9:05  | 65.4            | 68.4            | 59.8            |                          |                           |                           |
| 26-Mar-14 | 9:10  | 63.4            | 65.8            | 59.3            |                          |                           |                           |
| 26-Mar-14 | 9:15  | 63.3            | 66.0            | 59.6            |                          |                           |                           |
| 26-Mar-14 | 9:20  | 62.9            | 65.7            | 58.8            |                          |                           |                           |
| 26-Mar-14 | 9:25  | 63.1            | 65.3            | 59.4            |                          |                           |                           |
| 26-Mar-14 | 9:30  | 62.6            | 64.7            | 59.1            | 62.2                     | 64.3                      | 59.0                      |
| 26-Mar-14 | 9:35  | 62.1            | 64.7            | 58.5            |                          |                           |                           |
| 26-Mar-14 | 9:40  | 63.5            | 66.4            | 59.2            |                          |                           |                           |
| 26-Mar-14 | 9:45  | 61.2            | 62.9            | 59.0            |                          |                           |                           |
| 26-Mar-14 | 9:50  | 61.7            | 63.6            | 59.0            |                          |                           |                           |
| 26-Mar-14 | 9:55  | 61.6            | 63.3            | 59.1            |                          |                           |                           |
| 26-Mar-14 | 10:00 | 62.6            | 64.2            | 60.0            |                          |                           |                           |
| 26-Mar-14 | 10:05 | 60.9            | 62.5            | 58.4            |                          |                           |                           |
| 26-Mar-14 | 10:10 | 60.8            | 61.9            | 58.2            | 61.5                     | 63.1                      | 58.9                      |
| 26-Mar-14 | 10:15 | 61.8            | 63.3            | 59.0            |                          |                           |                           |
| 26-Mar-14 | 10:20 | 61.6            | 63.3            | 59.1            |                          |                           |                           |
| 26-Mar-14 | 10:25 | 61.0            | 63.1            | 58.4            |                          |                           |                           |
| 26-Mar-14 | 10:30 | 60.9            | 62.3            | 58.1            |                          |                           |                           |
| 26-Mar-14 | 10:35 | 62.2            | 63.1            | 57.5            |                          |                           |                           |
| 26-Mar-14 | 10:40 | 64.3            | 68.2            | 59.4            |                          |                           |                           |
| 26-Mar-14 | 10:45 | 62.6            | 64.7            | 59.7            |                          |                           |                           |
| 26-Mar-14 | 10:50 | 62.7            | 64.8            | 60.0            |                          |                           |                           |
| 26-Mar-14 | 10:55 | 61.8            | 63.3            | 59.4            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 26-Mar-14 | 11:00 | 61.8            | 63.2            | 60.1            | 61.6                     | 63.3                      | 59.1                      |
| 26-Mar-14 | 11:05 | 61.5            | 62.9            | 59.3            |                          |                           |                           |
| 26-Mar-14 | 11:10 | 61.2            | 62.9            | 58.5            |                          |                           |                           |
| 26-Mar-14 | 11:15 | 62.5            | 64.6            | 58.9            |                          |                           |                           |
| 26-Mar-14 | 11:20 | 61.1            | 62.8            | 59.0            |                          |                           |                           |
| 26-Mar-14 | 11:25 | 61.2            | 63.3            | 58.7            |                          |                           |                           |
| 26-Mar-14 | 11:30 | 61.5            | 62.9            | 58.3            |                          |                           |                           |
| 26-Mar-14 | 11:35 | 59.5            | 61.8            | 56.7            |                          |                           |                           |
| 26-Mar-14 | 11:40 | 58.3            | 60.1            | 56.1            |                          |                           |                           |
| 26-Mar-14 | 11:45 | 59.2            | 60.9            | 57.1            |                          |                           |                           |
| 26-Mar-14 | 11:50 | 58.4            | 60.6            | 56.0            |                          |                           |                           |
| 26-Mar-14 | 11:55 | 59.3            | 60.6            | 57.5            |                          |                           |                           |
| 26-Mar-14 | 12:00 | 59.7            | 61.4            | 57.4            | 59.0                     | 60.6                      | 57.0                      |
| 26-Mar-14 | 12:05 | 58.3            | 59.9            | 56.2            |                          |                           |                           |
| 26-Mar-14 | 12:10 | 58.5            | 60.4            | 56.3            |                          |                           |                           |
| 26-Mar-14 | 12:15 | 59.7            | 61.1            | 58.1            |                          |                           |                           |
| 26-Mar-14 | 12:20 | 58.8            | 60.2            | 57.1            |                          |                           |                           |
| 26-Mar-14 | 12:25 | 59.0            | 60.4            | 57.1            |                          |                           |                           |
| 26-Mar-14 | 12:30 | 58.1            | 59.6            | 56.4            |                          |                           |                           |
| 26-Mar-14 | 12:35 | 57.7            | 58.9            | 56.1            |                          |                           |                           |
| 26-Mar-14 | 12:40 | 58.4            | 59.6            | 56.4            |                          |                           |                           |
| 26-Mar-14 | 12:45 | 58.6            | 59.9            | 56.9            |                          |                           |                           |
| 26-Mar-14 | 12:50 | 58.6            | 60.1            | 56.6            |                          |                           |                           |
| 26-Mar-14 | 12:55 | 59.2            | 60.9            | 57.1            | 58.5                     | 59.8                      | 56.6                      |
| 26-Mar-14 | 13:00 | 59.1            | 60.4            | 57.3            |                          |                           |                           |
| 26-Mar-14 | 13:05 | 61.2            | 62.5            | 58.6            |                          |                           |                           |
| 26-Mar-14 | 13:10 | 61.5            | 62.8            | 59.5            |                          |                           |                           |
| 26-Mar-14 | 13:15 | 65.4            | 68.4            | 60.2            |                          |                           |                           |
| 26-Mar-14 | 13:20 | 63.5            | 66.2            | 59.9            |                          |                           |                           |
| 26-Mar-14 | 13:25 | 67.9            | 70.8            | 62.5            |                          |                           |                           |
| 26-Mar-14 | 13:30 | 65.4            | 67.9            | 61.3            |                          |                           |                           |
| 26-Mar-14 | 13:35 | 64.9            | 67.1            | 61.3            |                          |                           |                           |
| 26-Mar-14 | 13:40 | 66.1            | 67.3            | 61.1            |                          |                           |                           |
| 26-Mar-14 | 13:45 | 67.4            | 69.9            | 62.1            |                          |                           |                           |
| 26-Mar-14 | 13:50 | 65.1            | 67.5            | 59.8            | 64.1                     | 65.2                      | 59.7                      |
| 26-Mar-14 | 13:55 | 63.7            | 65.8            | 60.3            |                          |                           |                           |
| 26-Mar-14 | 14:00 | 65.4            | 67.4            | 61.7            |                          |                           |                           |
| 26-Mar-14 | 14:05 | 68.8            | 69.8            | 60.8            |                          |                           |                           |
| 26-Mar-14 | 14:10 | 65.4            | 67.7            | 60.9            |                          |                           |                           |
| 26-Mar-14 | 14:15 | 63.6            | 64.9            | 60.5            |                          |                           |                           |
| 26-Mar-14 | 14:20 | 63.2            | 64.7            | 59.7            |                          |                           |                           |
| 26-Mar-14 | 14:25 | 63.3            | 64.8            | 60.4            |                          |                           |                           |
| 26-Mar-14 | 14:30 | 62.6            | 64.9            | 59.6            |                          |                           |                           |
| 26-Mar-14 | 14:35 | 61.1            | 62.7            | 59.2            |                          |                           |                           |
| 26-Mar-14 | 14:40 | 63.4            | 65.6            | 60.2            | 63.0                     | 64.8                      | 60.2                      |
| 26-Mar-14 | 14:45 | 63.3            | 64.9            | 61.2            |                          |                           |                           |
| 26-Mar-14 | 14:50 | 64.6            | 67.0            | 60.8            |                          |                           |                           |
| 26-Mar-14 | 14:55 | 62.1            | 63.9            | 60.0            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 26-Mar-14 | 15:00 | 62.5            | 63.9            | 60.1            | 62.8                     | 64.8                      | 59.9                      |
| 26-Mar-14 | 15:05 | 62.5            | 64.4            | 59.7            |                          |                           |                           |
| 26-Mar-14 | 15:10 | 62.5            | 64.9            | 59.4            |                          |                           |                           |
| 26-Mar-14 | 15:15 | 62.9            | 65.1            | 60.0            |                          |                           |                           |
| 26-Mar-14 | 15:20 | 63.3            | 65.2            | 60.2            |                          |                           |                           |
| 26-Mar-14 | 15:25 | 62.9            | 65.0            | 59.7            |                          |                           |                           |
| 26-Mar-14 | 15:30 | 63.1            | 64.9            | 60.0            |                          |                           |                           |
| 26-Mar-14 | 15:35 | 63.0            | 64.8            | 61.0            |                          |                           |                           |
| 26-Mar-14 | 15:40 | 63.8            | 65.7            | 61.1            |                          |                           |                           |
| 26-Mar-14 | 15:45 | 62.8            | 64.4            | 60.0            |                          |                           |                           |
| 26-Mar-14 | 15:50 | 62.4            | 63.8            | 60.2            | 63.6                     | 65.5                      | 59.9                      |
| 26-Mar-14 | 15:55 | 62.3            | 64.0            | 59.6            |                          |                           |                           |
| 26-Mar-14 | 16:00 | 62.4            | 63.9            | 60.3            |                          |                           |                           |
| 26-Mar-14 | 16:05 | 64.8            | 66.2            | 60.3            |                          |                           |                           |
| 26-Mar-14 | 16:10 | 63.7            | 66.0            | 60.6            |                          |                           |                           |
| 26-Mar-14 | 16:15 | 64.8            | 67.4            | 60.0            |                          |                           |                           |
| 26-Mar-14 | 16:20 | 62.6            | 64.9            | 59.2            |                          |                           |                           |
| 26-Mar-14 | 16:25 | 62.2            | 64.5            | 59.0            |                          |                           |                           |
| 26-Mar-14 | 16:30 | 61.5            | 63.6            | 58.7            |                          |                           |                           |
| 26-Mar-14 | 16:35 | 62.4            | 63.8            | 59.6            |                          |                           |                           |
| 26-Mar-14 | 16:40 | 63.1            | 65.0            | 60.9            | 62.5                     | 64.4                      | 59.6                      |
| 26-Mar-14 | 16:45 | 62.9            | 64.8            | 60.1            |                          |                           |                           |
| 26-Mar-14 | 16:50 | 62.2            | 63.8            | 59.1            |                          |                           |                           |
| 26-Mar-14 | 16:55 | 62.8            | 65.4            | 59.3            |                          |                           |                           |
| 26-Mar-14 | 17:00 | 60.6            | 62.2            | 58.1            |                          |                           |                           |
| 26-Mar-14 | 17:05 | 62.6            | 64.9            | 59.2            |                          |                           |                           |
| 26-Mar-14 | 17:10 | 61.9            | 63.9            | 58.5            |                          |                           |                           |
| 26-Mar-14 | 17:15 | 61.5            | 63.2            | 59.0            |                          |                           |                           |
| 26-Mar-14 | 17:20 | 59.7            | 61.3            | 57.8            |                          |                           |                           |
| 26-Mar-14 | 17:25 | 60.6            | 61.8            | 57.6            |                          |                           |                           |
| 26-Mar-14 | 17:30 | 59.9            | 61.7            | 57.3            | 59.9                     | 61.5                      | 57.2                      |
| 26-Mar-14 | 17:35 | 62.2            | 64.5            | 58.0            |                          |                           |                           |
| 26-Mar-14 | 17:40 | 59.0            | 60.7            | 57.1            |                          |                           |                           |
| 26-Mar-14 | 17:45 | 58.3            | 59.8            | 56.6            |                          |                           |                           |
| 26-Mar-14 | 17:50 | 60.3            | 62.2            | 57.5            |                          |                           |                           |
| 26-Mar-14 | 17:55 | 58.4            | 60.0            | 56.5            |                          |                           |                           |
| 26-Mar-14 | 18:00 | 58.4            | 60.1            | 56.5            |                          |                           |                           |
| 26-Mar-14 | 18:05 | 58.1            | 59.7            | 56.3            |                          |                           |                           |
| 26-Mar-14 | 18:10 | 58.7            | 60.9            | 56.0            |                          |                           |                           |
| 26-Mar-14 | 18:15 | 58.0            | 59.9            | 55.3            |                          |                           |                           |
| 26-Mar-14 | 18:20 | 58.5            | 60.7            | 55.0            | 58.1                     | 60.0                      | 55.7                      |
| 26-Mar-14 | 18:25 | 56.9            | 58.4            | 55.1            |                          |                           |                           |
| 26-Mar-14 | 18:30 | 56.9            | 58.8            | 55.0            |                          |                           |                           |
| 26-Mar-14 | 18:35 | 57.8            | 59.8            | 55.1            |                          |                           |                           |
| 26-Mar-14 | 18:40 | 57.5            | 59.7            | 55.1            |                          |                           |                           |
| 26-Mar-14 | 18:45 | 56.4            | 58.1            | 54.6            |                          |                           |                           |
| 26-Mar-14 | 18:50 | 57.8            | 59.9            | 55.3            |                          |                           |                           |
| 26-Mar-14 | 18:55 | 57.6            | 59.7            | 55.4            |                          |                           |                           |

Mean 59.6  
 Maximum 61.6  
 Minimum 56.0

Mean 61.2  
 Maximum 63.3  
 Minimum 57.7

Mean 57.0  
 Maximum 59.1  
 Minimum 53.6

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 27-Mar-14 | 7:00  | 54.2            | 55.9            | 52.3            | 56.5                     | 58.2                      | 53.8                      |
| 27-Mar-14 | 7:05  | 55.4            | 56.8            | 53.0            |                          |                           |                           |
| 27-Mar-14 | 7:10  | 55.6            | 57.5            | 53.4            |                          |                           |                           |
| 27-Mar-14 | 7:15  | 56.0            | 57.6            | 54.0            |                          |                           |                           |
| 27-Mar-14 | 7:20  | 57.4            | 59.8            | 54.7            |                          |                           |                           |
| 27-Mar-14 | 7:25  | 58.8            | 61.7            | 55.2            |                          |                           |                           |
| 27-Mar-14 | 7:30  | 59.6            | 62.2            | 56.0            |                          |                           |                           |
| 27-Mar-14 | 7:35  | 57.6            | 59.8            | 55.0            |                          |                           |                           |
| 27-Mar-14 | 7:40  | 58.3            | 60.8            | 55.4            |                          |                           |                           |
| 27-Mar-14 | 7:45  | 58.8            | 62.1            | 54.9            |                          |                           |                           |
| 27-Mar-14 | 7:50  | 56.8            | 58.3            | 55.1            | 58.3                     | 60.5                      | 55.3                      |
| 27-Mar-14 | 7:55  | 58.0            | 59.9            | 55.1            |                          |                           |                           |
| 27-Mar-14 | 8:00  | 60.0            | 62.6            | 56.4            |                          |                           |                           |
| 27-Mar-14 | 8:05  | 57.7            | 59.2            | 55.5            |                          |                           |                           |
| 27-Mar-14 | 8:10  | 58.8            | 60.7            | 56.5            |                          |                           |                           |
| 27-Mar-14 | 8:15  | 59.5            | 61.4            | 57.0            |                          |                           |                           |
| 27-Mar-14 | 8:20  | 60.7            | 62.6            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 8:25  | 61.8            | 63.7            | 59.0            |                          |                           |                           |
| 27-Mar-14 | 8:30  | 63.1            | 65.3            | 60.0            |                          |                           |                           |
| 27-Mar-14 | 8:35  | 62.3            | 64.4            | 59.5            |                          |                           |                           |
| 27-Mar-14 | 8:40  | 61.6            | 63.8            | 58.5            | 62.0                     | 64.2                      | 59.0                      |
| 27-Mar-14 | 8:45  | 61.2            | 63.3            | 58.5            |                          |                           |                           |
| 27-Mar-14 | 8:50  | 61.8            | 64.1            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 8:55  | 61.7            | 64.1            | 59.0            |                          |                           |                           |
| 27-Mar-14 | 9:00  | 62.6            | 65.2            | 59.1            |                          |                           |                           |
| 27-Mar-14 | 9:05  | 61.5            | 63.7            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 9:10  | 62.2            | 64.2            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 9:15  | 62.1            | 64.2            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 9:20  | 60.8            | 62.7            | 58.3            |                          |                           |                           |
| 27-Mar-14 | 9:25  | 60.6            | 62.6            | 57.9            |                          |                           |                           |
| 27-Mar-14 | 9:30  | 60.6            | 62.6            | 58.0            | 61.7                     | 63.8                      | 58.7                      |
| 27-Mar-14 | 9:35  | 61.0            | 62.8            | 58.5            |                          |                           |                           |
| 27-Mar-14 | 9:40  | 62.6            | 64.2            | 59.0            |                          |                           |                           |
| 27-Mar-14 | 9:45  | 64.1            | 65.0            | 58.9            |                          |                           |                           |
| 27-Mar-14 | 9:50  | 61.4            | 63.3            | 59.0            |                          |                           |                           |
| 27-Mar-14 | 9:55  | 61.0            | 63.0            | 58.3            |                          |                           |                           |
| 27-Mar-14 | 10:00 | 60.6            | 62.3            | 58.5            |                          |                           |                           |
| 27-Mar-14 | 10:05 | 61.0            | 62.7            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 10:10 | 61.0            | 62.8            | 58.6            |                          |                           |                           |
| 27-Mar-14 | 10:15 | 61.5            | 63.3            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 10:20 | 61.5            | 63.2            | 59.4            | 61.3                     | 63.0                      | 59.0                      |
| 27-Mar-14 | 10:25 | 61.8            | 63.6            | 59.4            |                          |                           |                           |
| 27-Mar-14 | 10:30 | 61.7            | 63.4            | 59.3            |                          |                           |                           |
| 27-Mar-14 | 10:35 | 61.9            | 63.9            | 59.3            |                          |                           |                           |
| 27-Mar-14 | 10:40 | 61.6            | 63.4            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 10:45 | 62.3            | 64.0            | 59.8            |                          |                           |                           |
| 27-Mar-14 | 10:50 | 62.3            | 64.0            | 60.1            |                          |                           |                           |
| 27-Mar-14 | 10:55 | 62.9            | 64.9            | 60.3            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 27-Mar-14 | 11:00 | 62.4            | 64.1            | 60.3            | 61.9                     | 63.8                      | 59.4                      |
| 27-Mar-14 | 11:05 | 62.1            | 64.0            | 59.9            |                          |                           |                           |
| 27-Mar-14 | 11:10 | 61.4            | 63.2            | 59.1            |                          |                           |                           |
| 27-Mar-14 | 11:15 | 62.5            | 64.3            | 60.2            |                          |                           |                           |
| 27-Mar-14 | 11:20 | 61.2            | 63.2            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 11:25 | 61.6            | 63.9            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 11:30 | 60.7            | 62.2            | 58.2            |                          |                           |                           |
| 27-Mar-14 | 11:35 | 61.5            | 64.5            | 57.4            |                          |                           |                           |
| 27-Mar-14 | 11:40 | 59.4            | 61.0            | 57.3            |                          |                           |                           |
| 27-Mar-14 | 11:45 | 59.6            | 62.2            | 56.3            |                          |                           |                           |
| 27-Mar-14 | 11:50 | 57.9            | 60.0            | 55.6            | 57.8                     | 61.5                      | 55.5                      |
| 27-Mar-14 | 11:55 | 57.6            | 59.2            | 55.3            |                          |                           |                           |
| 27-Mar-14 | 12:00 | 57.6            | 59.2            | 55.6            |                          |                           |                           |
| 27-Mar-14 | 12:05 | 57.8            | 59.1            | 55.7            |                          |                           |                           |
| 27-Mar-14 | 12:10 | 57.0            | 58.5            | 55.2            |                          |                           |                           |
| 27-Mar-14 | 12:15 | 58.1            | 60.1            | 55.6            |                          |                           |                           |
| 27-Mar-14 | 12:20 | 58.6            | 60.8            | 55.4            |                          |                           |                           |
| 27-Mar-14 | 12:25 | 57.3            | 58.8            | 55.2            |                          |                           |                           |
| 27-Mar-14 | 12:30 | 58.0            | 59.9            | 55.6            |                          |                           |                           |
| 27-Mar-14 | 12:35 | 58.2            | 60.5            | 55.4            |                          |                           |                           |
| 27-Mar-14 | 12:40 | 57.5            | 59.2            | 55.1            | 58.1                     | 60.1                      | 55.3                      |
| 27-Mar-14 | 12:45 | 57.5            | 59.4            | 55.2            |                          |                           |                           |
| 27-Mar-14 | 12:50 | 59.3            | 61.8            | 55.4            |                          |                           |                           |
| 27-Mar-14 | 12:55 | 57.8            | 59.7            | 55.1            |                          |                           |                           |
| 27-Mar-14 | 13:00 | 57.9            | 59.5            | 55.7            |                          |                           |                           |
| 27-Mar-14 | 13:05 | 60.5            | 62.5            | 57.4            |                          |                           |                           |
| 27-Mar-14 | 13:10 | 61.4            | 62.9            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 13:15 | 61.1            | 63.7            | 58.0            |                          |                           |                           |
| 27-Mar-14 | 13:20 | 61.4            | 63.5            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 13:25 | 61.6            | 63.0            | 59.6            |                          |                           |                           |
| 27-Mar-14 | 13:30 | 62.9            | 64.3            | 59.7            | 61.7                     | 63.2                      | 59.0                      |
| 27-Mar-14 | 13:35 | 62.6            | 64.3            | 59.1            |                          |                           |                           |
| 27-Mar-14 | 13:40 | 61.7            | 63.3            | 59.3            |                          |                           |                           |
| 27-Mar-14 | 13:45 | 60.8            | 62.7            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 13:50 | 60.5            | 62.1            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 13:55 | 61.1            | 62.6            | 59.0            |                          |                           |                           |
| 27-Mar-14 | 14:00 | 61.3            | 63.6            | 58.6            |                          |                           |                           |
| 27-Mar-14 | 14:05 | 61.2            | 63.0            | 58.1            |                          |                           |                           |
| 27-Mar-14 | 14:10 | 61.1            | 62.6            | 58.8            |                          |                           |                           |
| 27-Mar-14 | 14:15 | 61.4            | 63.2            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 14:20 | 61.7            | 63.2            | 59.4            | 61.2                     | 63.0                      | 58.8                      |
| 27-Mar-14 | 14:25 | 60.5            | 62.1            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 14:30 | 61.3            | 63.2            | 58.8            |                          |                           |                           |
| 27-Mar-14 | 14:35 | 61.0            | 62.8            | 58.8            |                          |                           |                           |
| 27-Mar-14 | 14:40 | 61.6            | 63.3            | 59.3            |                          |                           |                           |
| 27-Mar-14 | 14:45 | 61.5            | 62.9            | 59.3            |                          |                           |                           |
| 27-Mar-14 | 14:50 | 62.1            | 63.8            | 59.8            |                          |                           |                           |
| 27-Mar-14 | 14:55 | 61.6            | 63.3            | 59.3            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 27-Mar-14 | 15:00 | 61.8            | 63.2            | 60.1            | 61.7                     | 63.5                      | 59.4                      |
| 27-Mar-14 | 15:05 | 62.1            | 63.7            | 59.9            |                          |                           |                           |
| 27-Mar-14 | 15:10 | 61.6            | 63.2            | 59.5            |                          |                           |                           |
| 27-Mar-14 | 15:15 | 61.9            | 63.9            | 59.5            |                          |                           |                           |
| 27-Mar-14 | 15:20 | 60.9            | 62.8            | 58.5            |                          |                           |                           |
| 27-Mar-14 | 15:25 | 62.0            | 64.3            | 59.0            |                          |                           |                           |
| 27-Mar-14 | 15:30 | 61.4            | 63.5            | 58.1            |                          |                           |                           |
| 27-Mar-14 | 15:35 | 61.9            | 63.6            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 15:40 | 61.4            | 63.6            | 58.7            |                          |                           |                           |
| 27-Mar-14 | 15:45 | 60.8            | 62.7            | 58.3            |                          |                           |                           |
| 27-Mar-14 | 15:50 | 62.6            | 65.0            | 58.9            | 61.7                     | 63.7                      | 58.7                      |
| 27-Mar-14 | 15:55 | 61.8            | 63.8            | 59.2            |                          |                           |                           |
| 27-Mar-14 | 16:00 | 62.0            | 64.3            | 58.9            |                          |                           |                           |
| 27-Mar-14 | 16:05 | 60.3            | 61.9            | 58.1            |                          |                           |                           |
| 27-Mar-14 | 16:10 | 60.4            | 62.3            | 58.0            |                          |                           |                           |
| 27-Mar-14 | 16:15 | 59.7            | 61.7            | 57.3            |                          |                           |                           |
| 27-Mar-14 | 16:20 | 60.6            | 62.9            | 58.0            |                          |                           |                           |
| 27-Mar-14 | 16:25 | 60.0            | 61.6            | 58.1            |                          |                           |                           |
| 27-Mar-14 | 16:30 | 61.0            | 62.9            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 16:35 | 60.1            | 61.6            | 58.1            |                          |                           |                           |
| 27-Mar-14 | 16:40 | 59.2            | 60.6            | 57.3            | 60.3                     | 62.0                      | 58.1                      |
| 27-Mar-14 | 16:45 | 60.4            | 62.4            | 58.0            |                          |                           |                           |
| 27-Mar-14 | 16:50 | 60.3            | 61.9            | 58.3            |                          |                           |                           |
| 27-Mar-14 | 16:55 | 60.7            | 62.4            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 17:00 | 61.3            | 63.4            | 58.6            |                          |                           |                           |
| 27-Mar-14 | 17:05 | 61.5            | 63.4            | 58.4            |                          |                           |                           |
| 27-Mar-14 | 17:10 | 60.5            | 62.2            | 58.1            |                          |                           |                           |
| 27-Mar-14 | 17:15 | 61.2            | 63.1            | 58.3            |                          |                           |                           |
| 27-Mar-14 | 17:20 | 60.1            | 61.7            | 57.5            |                          |                           |                           |
| 27-Mar-14 | 17:25 | 59.3            | 60.9            | 56.6            |                          |                           |                           |
| 27-Mar-14 | 17:30 | 58.9            | 60.5            | 56.8            | 60.7                     | 62.5                      | 57.9                      |
| 27-Mar-14 | 17:35 | 59.1            | 61.1            | 56.6            |                          |                           |                           |
| 27-Mar-14 | 17:40 | 58.5            | 60.2            | 56.4            |                          |                           |                           |
| 27-Mar-14 | 17:45 | 59.4            | 61.3            | 57.1            |                          |                           |                           |
| 27-Mar-14 | 17:50 | 57.5            | 58.9            | 56.0            |                          |                           |                           |
| 27-Mar-14 | 17:55 | 58.8            | 60.7            | 56.5            |                          |                           |                           |
| 27-Mar-14 | 18:00 | 58.2            | 59.5            | 56.4            |                          |                           |                           |
| 27-Mar-14 | 18:05 | 58.3            | 59.9            | 56.1            |                          |                           |                           |
| 27-Mar-14 | 18:10 | 58.4            | 60.4            | 56.3            |                          |                           |                           |
| 27-Mar-14 | 18:15 | 57.6            | 59.2            | 55.7            |                          |                           |                           |
| 27-Mar-14 | 18:20 | 58.1            | 60.2            | 56.0            | 58.1                     | 59.8                      | 56.1                      |
| 27-Mar-14 | 18:25 | 57.9            | 59.5            | 55.8            |                          |                           |                           |
| 27-Mar-14 | 18:30 | 59.4            | 61.1            | 56.2            |                          |                           |                           |
| 27-Mar-14 | 18:35 | 59.3            | 61.5            | 55.7            |                          |                           |                           |
| 27-Mar-14 | 18:40 | 59.2            | 60.7            | 55.7            |                          |                           |                           |
| 27-Mar-14 | 18:45 | 57.6            | 59.1            | 55.4            |                          |                           |                           |
| 27-Mar-14 | 18:50 | 57.9            | 59.9            | 55.1            |                          |                           |                           |
| 27-Mar-14 | 18:55 | 59.0            | 60.5            | 54.4            |                          |                           |                           |
|           |       | Mean            | 59.7            | 61.5            | 57.2                     |                           |                           |
|           |       | Maximum         | 61.5            | 63.2            | 59.2                     |                           |                           |
|           |       | Minimum         | 56.5            | 58.2            | 53.8                     |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 28-Mar-14 | 7:00  | 54.3            | 56.3            | 52.2            | 56.0                     | 57.9                      | 53.0                      |
| 28-Mar-14 | 7:05  | 55.3            | 57.0            | 52.4            |                          |                           |                           |
| 28-Mar-14 | 7:10  | 54.6            | 56.2            | 52.6            |                          |                           |                           |
| 28-Mar-14 | 7:15  | 56.4            | 58.3            | 53.8            |                          |                           |                           |
| 28-Mar-14 | 7:20  | 56.4            | 58.4            | 53.3            |                          |                           |                           |
| 28-Mar-14 | 7:25  | 57.8            | 61.1            | 53.8            |                          |                           |                           |
| 28-Mar-14 | 7:30  | 56.8            | 59.0            | 54.3            |                          |                           |                           |
| 28-Mar-14 | 7:35  | 56.8            | 58.2            | 55.0            |                          |                           |                           |
| 28-Mar-14 | 7:40  | 57.5            | 59.0            | 54.9            |                          |                           |                           |
| 28-Mar-14 | 7:45  | 59.2            | 61.3            | 56.5            |                          |                           |                           |
| 28-Mar-14 | 7:50  | 58.8            | 60.8            | 55.9            | 60.7                     | 62.0                      | 57.6                      |
| 28-Mar-14 | 7:55  | 57.9            | 59.5            | 55.3            |                          |                           |                           |
| 28-Mar-14 | 8:00  | 57.9            | 59.8            | 55.1            |                          |                           |                           |
| 28-Mar-14 | 8:05  | 58.0            | 59.2            | 55.4            |                          |                           |                           |
| 28-Mar-14 | 8:10  | 60.5            | 62.3            | 56.8            |                          |                           |                           |
| 28-Mar-14 | 8:15  | 62.0            | 63.6            | 59.4            |                          |                           |                           |
| 28-Mar-14 | 8:20  | 61.7            | 63.1            | 59.6            |                          |                           |                           |
| 28-Mar-14 | 8:25  | 62.0            | 64.2            | 59.3            |                          |                           |                           |
| 28-Mar-14 | 8:30  | 61.1            | 62.8            | 58.6            |                          |                           |                           |
| 28-Mar-14 | 8:35  | 60.9            | 62.9            | 58.4            |                          |                           |                           |
| 28-Mar-14 | 8:40  | 61.2            | 63.1            | 58.3            | 60.8                     | 62.7                      | 58.2                      |
| 28-Mar-14 | 8:45  | 60.1            | 61.6            | 58.0            |                          |                           |                           |
| 28-Mar-14 | 8:50  | 60.4            | 62.5            | 57.6            |                          |                           |                           |
| 28-Mar-14 | 8:55  | 61.1            | 63.0            | 58.2            |                          |                           |                           |
| 28-Mar-14 | 9:00  | 60.6            | 62.5            | 58.1            |                          |                           |                           |
| 28-Mar-14 | 9:05  | 61.1            | 63.1            | 58.3            |                          |                           |                           |
| 28-Mar-14 | 9:10  | 61.0            | 63.4            | 57.7            |                          |                           |                           |
| 28-Mar-14 | 9:15  | 60.8            | 62.7            | 58.2            |                          |                           |                           |
| 28-Mar-14 | 9:20  | 61.2            | 62.9            | 58.6            |                          |                           |                           |
| 28-Mar-14 | 9:25  | 61.9            | 63.7            | 59.4            |                          |                           |                           |
| 28-Mar-14 | 9:30  | 61.7            | 63.4            | 59.6            | 60.7                     | 62.5                      | 58.3                      |
| 28-Mar-14 | 9:35  | 60.1            | 61.7            | 58.0            |                          |                           |                           |
| 28-Mar-14 | 9:40  | 60.7            | 62.5            | 58.2            |                          |                           |                           |
| 28-Mar-14 | 9:45  | 59.8            | 61.5            | 58.0            |                          |                           |                           |
| 28-Mar-14 | 9:50  | 61.1            | 63.5            | 58.1            |                          |                           |                           |
| 28-Mar-14 | 9:55  | 60.5            | 62.6            | 57.9            |                          |                           |                           |
| 28-Mar-14 | 10:00 | 60.4            | 61.8            | 57.5            |                          |                           |                           |
| 28-Mar-14 | 10:05 | 60.3            | 62.2            | 57.8            |                          |                           |                           |
| 28-Mar-14 | 10:10 | 61.4            | 63.8            | 58.4            |                          |                           |                           |
| 28-Mar-14 | 10:15 | 60.3            | 62.5            | 57.5            |                          |                           |                           |
| 28-Mar-14 | 10:20 | 61.3            | 63.4            | 58.0            | 60.8                     | 62.8                      | 57.8                      |
| 28-Mar-14 | 10:25 | 60.7            | 63.1            | 57.5            |                          |                           |                           |
| 28-Mar-14 | 10:30 | 61.4            | 63.4            | 58.5            |                          |                           |                           |
| 28-Mar-14 | 10:35 | 61.3            | 63.4            | 58.1            |                          |                           |                           |
| 28-Mar-14 | 10:40 | 61.1            | 62.7            | 58.5            |                          |                           |                           |
| 28-Mar-14 | 10:45 | 59.7            | 61.7            | 57.4            |                          |                           |                           |
| 28-Mar-14 | 10:50 | 60.7            | 62.1            | 58.2            |                          |                           |                           |
| 28-Mar-14 | 10:55 | 61.8            | 63.9            | 58.8            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 28-Mar-14 | 11:00 | 60.9            | 62.4            | 58.8            | 60.8                     | 62.2                      | 58.5                      |
| 28-Mar-14 | 11:05 | 61.6            | 63.0            | 59.0            |                          |                           |                           |
| 28-Mar-14 | 11:10 | 60.4            | 61.7            | 58.5            |                          |                           |                           |
| 28-Mar-14 | 11:15 | 62.0            | 63.8            | 58.9            |                          |                           |                           |
| 28-Mar-14 | 11:20 | 60.2            | 61.9            | 58.3            |                          |                           |                           |
| 28-Mar-14 | 11:25 | 58.9            | 60.3            | 57.2            |                          |                           |                           |
| 28-Mar-14 | 11:30 | 58.6            | 60.3            | 56.7            |                          |                           |                           |
| 28-Mar-14 | 11:35 | 58.7            | 60.3            | 55.9            |                          |                           |                           |
| 28-Mar-14 | 11:40 | 61.0            | 63.0            | 56.5            |                          |                           |                           |
| 28-Mar-14 | 11:45 | 58.3            | 59.4            | 55.9            |                          |                           |                           |
| 28-Mar-14 | 11:50 | 58.6            | 60.5            | 56.0            |                          |                           |                           |
| 28-Mar-14 | 11:55 | 57.9            | 59.4            | 56.1            |                          |                           |                           |
| 28-Mar-14 | 12:00 | 57.5            | 58.7            | 55.4            | 58.2                     | 59.7                      | 55.9                      |
| 28-Mar-14 | 12:05 | 59.6            | 61.2            | 57.4            |                          |                           |                           |
| 28-Mar-14 | 12:10 | 58.5            | 60.1            | 56.2            |                          |                           |                           |
| 28-Mar-14 | 12:15 | 58.5            | 60.6            | 55.5            |                          |                           |                           |
| 28-Mar-14 | 12:20 | 56.6            | 57.9            | 55.0            |                          |                           |                           |
| 28-Mar-14 | 12:25 | 57.7            | 59.4            | 55.7            |                          |                           |                           |
| 28-Mar-14 | 12:30 | 59.8            | 60.7            | 56.1            |                          |                           |                           |
| 28-Mar-14 | 12:35 | 57.9            | 60.0            | 55.3            |                          |                           |                           |
| 28-Mar-14 | 12:40 | 58.0            | 60.2            | 55.4            |                          |                           |                           |
| 28-Mar-14 | 12:45 | 59.2            | 61.6            | 55.8            |                          |                           |                           |
| 28-Mar-14 | 12:50 | 61.4            | 62.1            | 55.4            | 59.4                     | 61.0                      | 55.6                      |
| 28-Mar-14 | 12:55 | 59.0            | 61.2            | 55.3            |                          |                           |                           |
| 28-Mar-14 | 13:00 | 59.4            | 61.5            | 56.0            |                          |                           |                           |
| 28-Mar-14 | 13:05 | 60.8            | 63.2            | 57.2            |                          |                           |                           |
| 28-Mar-14 | 13:10 | 60.8            | 62.6            | 57.7            |                          |                           |                           |
| 28-Mar-14 | 13:15 | 61.5            | 63.0            | 59.2            |                          |                           |                           |
| 28-Mar-14 | 13:20 | 61.2            | 63.1            | 58.8            |                          |                           |                           |
| 28-Mar-14 | 13:25 | 60.5            | 61.8            | 58.7            |                          |                           |                           |
| 28-Mar-14 | 13:30 | 61.2            | 63.2            | 59.0            |                          |                           |                           |
| 28-Mar-14 | 13:35 | 61.4            | 63.1            | 59.1            |                          |                           |                           |
| 28-Mar-14 | 13:40 | 61.0            | 62.7            | 59.0            | 61.1                     | 63.0                      | 58.5                      |
| 28-Mar-14 | 13:45 | 59.8            | 61.5            | 57.4            |                          |                           |                           |
| 28-Mar-14 | 13:50 | 61.6            | 63.9            | 58.4            |                          |                           |                           |
| 28-Mar-14 | 13:55 | 61.1            | 63.6            | 58.1            |                          |                           |                           |
| 28-Mar-14 | 14:00 | 61.1            | 62.9            | 58.9            |                          |                           |                           |
| 28-Mar-14 | 14:05 | 62.9            | 64.4            | 59.0            |                          | 61.9                      | 63.7                      |
| 28-Mar-14 | 14:10 | 62.1            | 64.5            | 58.7            |                          |                           |                           |
| 28-Mar-14 | 14:15 | 61.5            | 63.3            | 59.2            |                          |                           |                           |
| 28-Mar-14 | 14:20 | 62.8            | 64.6            | 60.2            |                          |                           |                           |
| 28-Mar-14 | 14:25 | 60.5            | 62.4            | 58.4            |                          |                           |                           |
| 28-Mar-14 | 14:30 | 60.4            | 61.9            | 58.7            | 60.9                     | 62.4                      | 59.0                      |
| 28-Mar-14 | 14:35 | 60.9            | 62.1            | 59.2            |                          |                           |                           |
| 28-Mar-14 | 14:40 | 61.1            | 62.8            | 59.1            |                          |                           |                           |
| 28-Mar-14 | 14:45 | 61.1            | 62.7            | 59.2            |                          |                           |                           |
| 28-Mar-14 | 14:50 | 61.1            | 62.6            | 59.1            |                          |                           |                           |
| 28-Mar-14 | 14:55 | 60.5            | 62.1            | 58.7            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 28-Mar-14 | 15:00 | 61.3            | 63.1            | 58.8            | 60.9                     | 62.6                      | 58.5                      |
| 28-Mar-14 | 15:05 | 60.7            | 62.4            | 58.7            |                          |                           |                           |
| 28-Mar-14 | 15:10 | 61.2            | 62.7            | 59.0            |                          |                           |                           |
| 28-Mar-14 | 15:15 | 60.3            | 61.9            | 58.2            |                          |                           |                           |
| 28-Mar-14 | 15:20 | 61.3            | 62.8            | 58.1            |                          |                           |                           |
| 28-Mar-14 | 15:25 | 60.8            | 62.8            | 58.3            |                          | 61.5                      | 59.1                      |
| 28-Mar-14 | 15:30 | 60.5            | 62.1            | 58.5            |                          |                           |                           |
| 28-Mar-14 | 15:35 | 60.6            | 61.9            | 58.6            |                          |                           |                           |
| 28-Mar-14 | 15:40 | 61.9            | 64.0            | 58.9            |                          |                           |                           |
| 28-Mar-14 | 15:45 | 62.2            | 64.1            | 60.0            |                          |                           |                           |
| 28-Mar-14 | 15:50 | 61.6            | 63.6            | 59.4            | 60.9                     | 63.0                      | 58.0                      |
| 28-Mar-14 | 15:55 | 61.8            | 63.6            | 59.3            |                          |                           |                           |
| 28-Mar-14 | 16:00 | 62.4            | 64.3            | 60.0            |                          |                           |                           |
| 28-Mar-14 | 16:05 | 61.8            | 63.5            | 60.0            |                          |                           |                           |
| 28-Mar-14 | 16:10 | 62.0            | 63.7            | 59.4            |                          |                           |                           |
| 28-Mar-14 | 16:15 | 62.1            | 63.9            | 59.7            |                          | 61.5                      | 58.3                      |
| 28-Mar-14 | 16:20 | 61.1            | 62.9            | 59.1            |                          |                           |                           |
| 28-Mar-14 | 16:25 | 60.9            | 62.7            | 58.6            |                          |                           |                           |
| 28-Mar-14 | 16:30 | 60.0            | 62.0            | 57.2            |                          | 61.5                      | 58.3                      |
| 28-Mar-14 | 16:35 | 61.0            | 63.1            | 57.6            |                          |                           |                           |
| 28-Mar-14 | 16:40 | 60.0            | 61.7            | 58.0            |                          |                           |                           |
| 28-Mar-14 | 16:45 | 61.0            | 63.6            | 57.6            |                          |                           |                           |
| 28-Mar-14 | 16:50 | 61.8            | 64.1            | 58.4            |                          |                           |                           |
| 28-Mar-14 | 16:55 | 61.5            | 63.6            | 58.9            | 59.5                     | 61.5                      | 56.4                      |
| 28-Mar-14 | 17:00 | 61.8            | 63.9            | 59.0            |                          |                           |                           |
| 28-Mar-14 | 17:05 | 61.5            | 63.9            | 58.8            |                          |                           |                           |
| 28-Mar-14 | 17:10 | 62.3            | 65.0            | 58.7            |                          |                           |                           |
| 28-Mar-14 | 17:15 | 61.6            | 64.3            | 58.1            |                          |                           |                           |
| 28-Mar-14 | 17:20 | 61.7            | 63.6            | 58.1            |                          | 59.5                      | 55.7                      |
| 28-Mar-14 | 17:25 | 59.7            | 61.5            | 57.3            |                          |                           |                           |
| 28-Mar-14 | 17:30 | 61.1            | 62.9            | 56.9            |                          |                           |                           |
| 28-Mar-14 | 17:35 | 59.4            | 61.8            | 56.6            |                          | 59.5                      | 54.3                      |
| 28-Mar-14 | 17:40 | 59.6            | 61.8            | 57.1            |                          |                           |                           |
| 28-Mar-14 | 17:45 | 58.8            | 60.8            | 56.1            | 56.8                     | 61.5                      | 55.7                      |
| 28-Mar-14 | 17:50 | 59.0            | 60.6            | 56.2            |                          |                           |                           |
| 28-Mar-14 | 17:55 | 58.4            | 61.3            | 55.4            |                          |                           |                           |
| 28-Mar-14 | 18:00 | 59.0            | 61.0            | 56.4            |                          |                           |                           |
| 28-Mar-14 | 18:05 | 58.2            | 60.2            | 55.4            |                          | 60.5                      | 53.0                      |
| 28-Mar-14 | 18:10 | 58.1            | 60.0            | 56.0            |                          |                           |                           |
| 28-Mar-14 | 18:15 | 58.4            | 60.9            | 55.7            |                          |                           |                           |
| 28-Mar-14 | 18:20 | 57.8            | 60.3            | 55.2            |                          |                           |                           |
| 28-Mar-14 | 18:25 | 58.5            | 60.7            | 55.6            |                          |                           |                           |
| 28-Mar-14 | 18:30 | 57.3            | 59.7            | 54.8            | 56.8                     | 58.8                      | 54.3                      |
| 28-Mar-14 | 18:35 | 57.8            | 59.8            | 55.0            |                          |                           |                           |
| 28-Mar-14 | 18:40 | 56.3            | 57.9            | 54.3            |                          |                           |                           |
| 28-Mar-14 | 18:45 | 56.1            | 57.8            | 54.1            |                          |                           |                           |
| 28-Mar-14 | 18:50 | 56.3            | 57.9            | 53.4            |                          |                           |                           |
| 28-Mar-14 | 18:55 | 56.8            | 59.4            | 54.0            |                          |                           |                           |

Mean 60.2 62.0 57.5  
Maximum 61.5 63.7 59.1  
Minimum 56.0 57.9 53.0

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 29-Mar-14 | 7:00  | 54.7            | 56.5            | 51.5            | 56.0                     | 57.5                      | 53.3                      |
| 29-Mar-14 | 7:05  | 54.1            | 55.8            | 52.1            |                          |                           |                           |
| 29-Mar-14 | 7:10  | 55.0            | 56.7            | 52.8            |                          |                           |                           |
| 29-Mar-14 | 7:15  | 56.1            | 57.6            | 54.1            |                          |                           |                           |
| 29-Mar-14 | 7:20  | 57.2            | 58.6            | 54.5            |                          |                           |                           |
| 29-Mar-14 | 7:25  | 57.5            | 59.7            | 55.0            |                          |                           |                           |
| 29-Mar-14 | 7:30  | 58.3            | 60.3            | 55.3            |                          |                           |                           |
| 29-Mar-14 | 7:35  | 58.5            | 61.0            | 54.5            | 58.9                     | 61.2                      | 55.4                      |
| 29-Mar-14 | 7:40  | 58.3            | 60.9            | 55.3            |                          |                           |                           |
| 29-Mar-14 | 7:45  | 59.3            | 61.8            | 56.1            |                          |                           |                           |
| 29-Mar-14 | 7:50  | 58.5            | 61.1            | 55.3            |                          |                           |                           |
| 29-Mar-14 | 7:55  | 60.0            | 62.1            | 55.6            |                          |                           |                           |
| 29-Mar-14 | 8:00  | 58.0            | 59.7            | 55.7            |                          |                           |                           |
| 29-Mar-14 | 8:05  | 58.5            | 60.9            | 55.6            |                          |                           |                           |
| 29-Mar-14 | 8:10  | 60.3            | 62.4            | 57.6            | 59.9                     | 61.8                      | 57.1                      |
| 29-Mar-14 | 8:15  | 60.3            | 62.4            | 57.6            |                          |                           |                           |
| 29-Mar-14 | 8:20  | 60.8            | 63.0            | 58.0            |                          |                           |                           |
| 29-Mar-14 | 8:25  | 60.5            | 62.1            | 58.0            |                          |                           |                           |
| 29-Mar-14 | 8:30  | 60.9            | 62.9            | 58.4            |                          |                           |                           |
| 29-Mar-14 | 8:35  | 60.0            | 61.5            | 58.3            |                          |                           |                           |
| 29-Mar-14 | 8:40  | 60.6            | 62.3            | 58.3            |                          |                           |                           |
| 29-Mar-14 | 8:45  | 61.7            | 64.0            | 58.8            | 60.9                     | 63.0                      | 58.3                      |
| 29-Mar-14 | 8:50  | 61.3            | 64.2            | 57.9            |                          |                           |                           |
| 29-Mar-14 | 8:55  | 61.0            | 63.3            | 58.3            |                          |                           |                           |
| 29-Mar-14 | 9:00  | 61.6            | 63.8            | 57.9            |                          |                           |                           |
| 29-Mar-14 | 9:05  | 58.9            | 60.7            | 57.0            |                          |                           |                           |
| 29-Mar-14 | 9:10  | 60.8            | 63.0            | 58.0            |                          |                           |                           |
| 29-Mar-14 | 9:15  | 61.5            | 63.8            | 58.4            |                          |                           |                           |
| 29-Mar-14 | 9:20  | 60.6            | 62.6            | 58.2            | 60.9                     | 63.0                      | 58.1                      |
| 29-Mar-14 | 9:25  | 61.7            | 64.2            | 58.8            |                          |                           |                           |
| 29-Mar-14 | 9:30  | 61.6            | 63.6            | 59.1            |                          |                           |                           |
| 29-Mar-14 | 9:35  | 60.5            | 62.4            | 58.4            |                          |                           |                           |
| 29-Mar-14 | 9:40  | 60.8            | 63.3            | 58.1            |                          |                           |                           |
| 29-Mar-14 | 9:45  | 61.0            | 63.0            | 58.4            |                          |                           |                           |
| 29-Mar-14 | 9:50  | 60.7            | 62.7            | 58.0            |                          |                           |                           |
| 29-Mar-14 | 9:55  | 60.6            | 62.2            | 58.7            | 60.9                     | 62.9                      | 58.5                      |
| 29-Mar-14 | 10:00 | 61.0            | 62.7            | 59.1            |                          |                           |                           |
| 29-Mar-14 | 10:05 | 60.7            | 62.7            | 58.0            |                          |                           |                           |
| 29-Mar-14 | 10:10 | 63.6            | 64.9            | 60.5            |                          |                           |                           |
| 29-Mar-14 | 10:15 | 62.6            | 64.3            | 60.3            |                          |                           |                           |
| 29-Mar-14 | 10:20 | 62.9            | 65.1            | 60.2            |                          |                           |                           |
| 29-Mar-14 | 10:25 | 63.6            | 65.9            | 60.7            |                          |                           |                           |
| 29-Mar-14 | 10:30 | 64.9            | 67.1            | 61.6            | 63.6                     | 64.3                      | 59.8                      |
| 29-Mar-14 | 10:35 | 63.6            | 65.4            | 61.4            |                          |                           |                           |
| 29-Mar-14 | 10:40 | 63.0            | 65.1            | 60.2            |                          |                           |                           |
| 29-Mar-14 | 10:45 | 63.4            | 65.6            | 60.5            |                          |                           |                           |
| 29-Mar-14 | 10:50 | 63.5            | 65.9            | 60.2            |                          |                           |                           |
| 29-Mar-14 | 10:55 | 62.9            | 65.0            | 60.0            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 29-Mar-14 | 11:00 | 64.1            | 66.1            | 62.1            | 63.3                     | 65.3                      | 60.6                      |
| 29-Mar-14 | 11:05 | 63.5            | 65.6            | 61.0            |                          |                           |                           |
| 29-Mar-14 | 11:10 | 63.5            | 65.9            | 60.8            |                          |                           |                           |
| 29-Mar-14 | 11:15 | 64.1            | 66.6            | 61.0            |                          |                           |                           |
| 29-Mar-14 | 11:20 | 62.8            | 65.2            | 60.2            |                          |                           |                           |
| 29-Mar-14 | 11:25 | 60.7            | 62.6            | 59.5            |                          |                           |                           |
| 29-Mar-14 | 11:30 | 62.0            | 61.7            | 57.9            |                          |                           |                           |
| 29-Mar-14 | 11:35 | 71.6            | 74.6            | 62.7            | 67.4                     | 67.1                      | 61.4                      |
| 29-Mar-14 | 11:40 | 69.8            | 69.8            | 66.0            |                          |                           |                           |
| 29-Mar-14 | 11:45 | 65.8            | 67.6            | 63.1            |                          |                           |                           |
| 29-Mar-14 | 11:50 | 62.9            | 64.8            | 59.7            |                          |                           |                           |
| 29-Mar-14 | 11:55 | 61.9            | 64.1            | 59.1            |                          |                           |                           |
| 29-Mar-14 | 12:00 | 61.5            | 63.7            | 58.3            |                          |                           |                           |
| 29-Mar-14 | 12:05 | 62.4            | 64.0            | 59.0            |                          |                           |                           |
| 29-Mar-14 | 12:10 | 61.8            | 64.3            | 58.6            | 61.6                     | 63.6                      | 58.5                      |
| 29-Mar-14 | 12:15 | 60.4            | 62.5            | 58.1            |                          |                           |                           |
| 29-Mar-14 | 12:20 | 62.0            | 64.0            | 58.7            |                          |                           |                           |
| 29-Mar-14 | 12:25 | 61.2            | 62.8            | 58.5            |                          |                           |                           |
| 29-Mar-14 | 12:30 | 61.0            | 62.8            | 57.6            |                          |                           |                           |
| 29-Mar-14 | 12:35 | 61.9            | 64.0            | 58.7            |                          |                           |                           |
| 29-Mar-14 | 12:40 | 59.4            | 60.8            | 57.4            |                          |                           |                           |
| 29-Mar-14 | 12:45 | 60.6            | 62.7            | 57.6            | 60.8                     | 62.5                      | 57.9                      |
| 29-Mar-14 | 12:50 | 60.0            | 61.4            | 57.9            |                          |                           |                           |
| 29-Mar-14 | 12:55 | 61.3            | 63.0            | 58.2            |                          |                           |                           |
| 29-Mar-14 | 13:00 | 62.6            | 63.8            | 61.0            |                          |                           |                           |
| 29-Mar-14 | 13:05 | 63.4            | 64.7            | 61.5            |                          |                           |                           |
| 29-Mar-14 | 13:10 | 63.4            | 65.0            | 61.1            |                          |                           |                           |
| 29-Mar-14 | 13:15 | 63.9            | 66.2            | 60.9            |                          |                           |                           |
| 29-Mar-14 | 13:20 | 63.1            | 64.9            | 60.9            | 63.3                     | 65.0                      | 61.1                      |
| 29-Mar-14 | 13:25 | 63.4            | 65.1            | 61.1            |                          |                           |                           |
| 29-Mar-14 | 13:30 | 63.7            | 65.4            | 60.9            |                          |                           |                           |
| 29-Mar-14 | 13:35 | 64.0            | 65.6            | 61.5            |                          |                           |                           |
| 29-Mar-14 | 13:40 | 65.7            | 67.0            | 62.4            |                          |                           |                           |
| 29-Mar-14 | 13:45 | 66.4            | 67.5            | 62.1            |                          |                           |                           |
| 29-Mar-14 | 13:50 | 66.1            | 68.3            | 61.3            |                          |                           |                           |
| 29-Mar-14 | 13:55 | 71.1            | 75.2            | 63.7            | 67.0                     | 68.2                      | 62.0                      |
| 29-Mar-14 | 14:00 | 65.5            | 67.5            | 62.7            |                          |                           |                           |
| 29-Mar-14 | 14:05 | 65.4            | 67.2            | 62.2            |                          |                           |                           |
| 29-Mar-14 | 14:10 | 65.3            | 67.2            | 62.5            |                          |                           |                           |
| 29-Mar-14 | 14:15 | 63.4            | 65.4            | 60.8            |                          |                           |                           |
| 29-Mar-14 | 14:20 | 63.9            | 66.2            | 60.9            |                          |                           |                           |
| 29-Mar-14 | 14:25 | 64.2            | 66.5            | 61.4            |                          |                           |                           |
| 29-Mar-14 | 14:30 | 63.6            | 65.5            | 61.2            | 64.7                     | 66.7                      | 61.8                      |
| 29-Mar-14 | 14:35 | 63.4            | 65.4            | 61.0            |                          |                           |                           |
| 29-Mar-14 | 14:40 | 63.7            | 65.9            | 61.1            |                          |                           |                           |
| 29-Mar-14 | 14:45 | 64.1            | 66.0            | 61.4            |                          |                           |                           |
| 29-Mar-14 | 14:50 | 63.4            | 65.6            | 60.8            |                          |                           |                           |
| 29-Mar-14 | 14:55 | 62.5            | 64.4            | 60.3            |                          |                           |                           |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |  |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|--|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |  |
| 29-Mar-14 | 15:00 | 62.1            | 63.7            | 59.8            | 62.9                     | 64.8                      | 60.4                      |  |
| 29-Mar-14 | 15:05 | 62.4            | 64.5            | 59.6            |                          |                           |                           |  |
| 29-Mar-14 | 15:10 | 63.1            | 65.1            | 60.6            |                          |                           |                           |  |
| 29-Mar-14 | 15:15 | 63.2            | 65.2            | 60.6            |                          |                           |                           |  |
| 29-Mar-14 | 15:20 | 62.9            | 64.8            | 60.3            |                          |                           |                           |  |
| 29-Mar-14 | 15:25 | 63.7            | 65.3            | 61.4            |                          |                           |                           |  |
| 29-Mar-14 | 15:30 | 63.1            | 64.9            | 61.1            |                          |                           |                           |  |
| 29-Mar-14 | 15:35 | 63.1            | 64.8            | 61.0            |                          |                           |                           |  |
| 29-Mar-14 | 15:40 | 64.1            | 65.8            | 62.1            |                          |                           |                           |  |
| 29-Mar-14 | 15:45 | 63.8            | 66.2            | 61.2            |                          |                           |                           |  |
| 29-Mar-14 | 15:50 | 63.8            | 65.8            | 61.1            | 63.5                     | 65.4                      | 61.2                      |  |
| 29-Mar-14 | 15:55 | 63.0            | 64.9            | 60.4            |                          |                           |                           |  |
| 29-Mar-14 | 16:00 | 62.6            | 64.7            | 60.2            |                          |                           |                           |  |
| 29-Mar-14 | 16:05 | 63.5            | 65.6            | 61.1            |                          |                           |                           |  |
| 29-Mar-14 | 16:10 | 63.7            | 65.9            | 60.8            |                          |                           |                           |  |
| 29-Mar-14 | 16:15 | 63.6            | 65.7            | 61.1            |                          |                           |                           |  |
| 29-Mar-14 | 16:20 | 63.2            | 65.1            | 60.9            |                          |                           |                           |  |
| 29-Mar-14 | 16:25 | 62.8            | 64.6            | 60.7            |                          |                           |                           |  |
| 29-Mar-14 | 16:30 | 63.0            | 64.9            | 60.5            |                          |                           |                           |  |
| 29-Mar-14 | 16:35 | 63.5            | 65.8            | 60.7            |                          |                           |                           |  |
| 29-Mar-14 | 16:40 | 63.8            | 65.8            | 60.4            | 62.8                     | 64.7                      | 60.0                      |  |
| 29-Mar-14 | 16:45 | 62.7            | 64.6            | 60.4            |                          |                           |                           |  |
| 29-Mar-14 | 16:50 | 61.7            | 63.7            | 59.1            |                          |                           |                           |  |
| 29-Mar-14 | 16:55 | 61.9            | 63.5            | 58.9            |                          |                           |                           |  |
| 29-Mar-14 | 17:00 | 61.1            | 63.5            | 58.3            |                          |                           |                           |  |
| 29-Mar-14 | 17:05 | 61.0            | 63.3            | 58.4            |                          |                           |                           |  |
| 29-Mar-14 | 17:10 | 61.2            | 63.0            | 58.2            |                          |                           |                           |  |
| 29-Mar-14 | 17:15 | 62.3            | 64.4            | 59.6            |                          |                           |                           |  |
| 29-Mar-14 | 17:20 | 61.0            | 62.9            | 59.0            |                          |                           |                           |  |
| 29-Mar-14 | 17:25 | 62.8            | 65.1            | 58.6            |                          |                           |                           |  |
| 29-Mar-14 | 17:30 | 61.7            | 63.7            | 59.0            | 61.6                     | 63.7                      | 58.7                      |  |
| 29-Mar-14 | 17:35 | 60.0            | 62.4            | 57.1            |                          |                           |                           |  |
| 29-Mar-14 | 17:40 | 59.5            | 61.5            | 57.1            |                          |                           |                           |  |
| 29-Mar-14 | 17:45 | 59.8            | 61.5            | 57.7            |                          |                           |                           |  |
| 29-Mar-14 | 17:50 | 59.3            | 60.6            | 57.5            |                          |                           |                           |  |
| 29-Mar-14 | 17:55 | 59.9            | 61.6            | 57.9            |                          |                           |                           |  |
| 29-Mar-14 | 18:00 | 60.8            | 63.6            | 56.9            |                          |                           |                           |  |
| 29-Mar-14 | 18:05 | 57.9            | 59.8            | 55.7            |                          |                           |                           |  |
| 29-Mar-14 | 18:10 | 59.0            | 61.7            | 56.3            | 59.4                     | 61.5                      | 56.2                      |  |
| 29-Mar-14 | 18:15 | 59.7            | 62.6            | 56.1            |                          |                           |                           |  |
| 29-Mar-14 | 18:20 | 59.7            | 60.9            | 56.1            |                          |                           |                           |  |
| 29-Mar-14 | 18:25 | 58.6            | 60.6            | 55.9            |                          |                           |                           |  |
| 29-Mar-14 | 18:30 | 58.8            | 60.7            | 56.3            |                          |                           |                           |  |
| 29-Mar-14 | 18:35 | 59.1            | 62.3            | 56.0            |                          |                           |                           |  |
| 29-Mar-14 | 18:40 | 57.7            | 59.6            | 55.4            |                          |                           |                           |  |
| 29-Mar-14 | 18:45 | 59.5            | 61.5            | 55.6            |                          |                           |                           |  |
| 29-Mar-14 | 18:50 | 58.1            | 60.0            | 55.3            |                          |                           |                           |  |
| 29-Mar-14 | 18:55 | 57.5            | 59.8            | 54.8            |                          |                           |                           |  |
|           |       | Mean            | 60.2            | 62.2            | 57.4                     |                           |                           |  |
|           |       | Maximum         | 61.6            | 63.7            | 58.7                     |                           |                           |  |
|           |       | Minimum         | 56.0            | 57.5            | 53.3                     |                           |                           |  |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 31-Mar-14 | 7:00  | 56.1            | 57.7            | 54.0            | 57.5                     | 59.0                      | 55.2                      |
| 31-Mar-14 | 7:05  | 57.2            | 58.9            | 54.5            |                          |                           |                           |
| 31-Mar-14 | 7:10  | 58.0            | 59.8            | 55.4            |                          |                           |                           |
| 31-Mar-14 | 7:15  | 57.1            | 58.3            | 55.4            |                          |                           |                           |
| 31-Mar-14 | 7:20  | 58.0            | 58.9            | 56.0            |                          |                           |                           |
| 31-Mar-14 | 7:25  | 58.3            | 60.5            | 56.1            |                          |                           |                           |
| 31-Mar-14 | 7:30  | 61.2            | 65.2            | 56.6            |                          |                           |                           |
| 31-Mar-14 | 7:35  | 66.6            | 68.3            | 63.0            |                          |                           |                           |
| 31-Mar-14 | 7:40  | 65.5            | 67.5            | 60.8            |                          |                           |                           |
| 31-Mar-14 | 7:45  | 58.8            | 59.7            | 56.3            |                          |                           |                           |
| 31-Mar-14 | 7:50  | 59.8            | 62.0            | 56.8            | 63.0                     | 64.0                      | 58.4                      |
| 31-Mar-14 | 7:55  | 59.1            | 61.1            | 56.6            |                          |                           |                           |
| 31-Mar-14 | 8:00  | 64.3            | 67.1            | 59.4            |                          |                           |                           |
| 31-Mar-14 | 8:05  | 62.5            | 64.8            | 58.2            |                          |                           |                           |
| 31-Mar-14 | 8:10  | 61.4            | 64.1            | 57.5            |                          |                           |                           |
| 31-Mar-14 | 8:15  | 60.9            | 62.8            | 58.2            |                          |                           |                           |
| 31-Mar-14 | 8:20  | 63.3            | 63.8            | 61.1            |                          |                           |                           |
| 31-Mar-14 | 8:25  | 62.5            | 63.8            | 61.1            |                          |                           |                           |
| 31-Mar-14 | 8:30  | 62.5            | 63.7            | 61.0            |                          |                           |                           |
| 31-Mar-14 | 8:35  | 63.0            | 64.4            | 61.4            |                          |                           |                           |
| 31-Mar-14 | 8:40  | 64.8            | 66.5            | 62.3            | 67.0                     | 67.7                      | 62.3                      |
| 31-Mar-14 | 8:45  | 64.6            | 65.8            | 62.1            |                          |                           |                           |
| 31-Mar-14 | 8:50  | 70.5            | 73.6            | 63.2            |                          |                           |                           |
| 31-Mar-14 | 8:55  | 69.5            | 72.4            | 63.9            |                          |                           |                           |
| 31-Mar-14 | 9:00  | 64.8            | 66.6            | 62.2            |                          |                           |                           |
| 31-Mar-14 | 9:05  | 68.1            | 71.3            | 62.8            |                          |                           |                           |
| 31-Mar-14 | 9:10  | 64.1            | 65.8            | 61.8            |                          |                           |                           |
| 31-Mar-14 | 9:15  | 66.0            | 68.5            | 61.7            |                          |                           |                           |
| 31-Mar-14 | 9:20  | 69.7            | 71.5            | 66.6            |                          |                           |                           |
| 31-Mar-14 | 9:25  | 66.8            | 68.1            | 65.1            |                          |                           |                           |
| 31-Mar-14 | 9:30  | 72.1            | 73.2            | 66.8            | 68.1                     | 68.4                      | 63.6                      |
| 31-Mar-14 | 9:35  | 68.9            | 68.9            | 65.0            |                          |                           |                           |
| 31-Mar-14 | 9:40  | 66.8            | 68.7            | 64.3            |                          |                           |                           |
| 31-Mar-14 | 9:45  | 66.0            | 67.7            | 63.4            |                          |                           |                           |
| 31-Mar-14 | 9:50  | 64.2            | 64.9            | 60.3            |                          |                           |                           |
| 31-Mar-14 | 9:55  | 65.4            | 67.0            | 62.0            |                          |                           |                           |
| 31-Mar-14 | 10:00 | 63.6            | 66.1            | 60.2            |                          |                           |                           |
| 31-Mar-14 | 10:05 | 62.6            | 64.6            | 60.2            | 62.4                     | 64.4                      | 59.5                      |
| 31-Mar-14 | 10:10 | 62.5            | 64.5            | 60.0            |                          |                           |                           |
| 31-Mar-14 | 10:15 | 62.5            | 64.8            | 59.1            |                          |                           |                           |
| 31-Mar-14 | 10:20 | 61.7            | 63.6            | 59.2            |                          |                           |                           |
| 31-Mar-14 | 10:25 | 60.8            | 62.8            | 58.4            |                          |                           |                           |
| 31-Mar-14 | 10:30 | 61.1            | 63.2            | 58.7            |                          |                           |                           |
| 31-Mar-14 | 10:35 | 61.7            | 63.9            | 59.1            |                          |                           |                           |
| 31-Mar-14 | 10:40 | 61.5            | 63.5            | 59.4            |                          |                           |                           |
| 31-Mar-14 | 10:45 | 63.6            | 65.1            | 60.8            |                          |                           |                           |
| 31-Mar-14 | 10:50 | 62.8            | 65.0            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 10:55 | 61.9            | 63.2            | 59.2            | 62.2                     | 64.0                      | 59.6                      |

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 31-Mar-14 | 11:00 | 63.0            | 64.9            | 60.1            | 63.8                     | 65.3                      | 60.8                      |
| 31-Mar-14 | 11:05 | 63.8            | 65.9            | 60.8            |                          |                           |                           |
| 31-Mar-14 | 11:10 | 63.4            | 65.2            | 61.2            |                          |                           |                           |
| 31-Mar-14 | 11:15 | 65.7            | 66.0            | 61.3            |                          |                           |                           |
| 31-Mar-14 | 11:20 | 63.4            | 65.6            | 61.1            |                          |                           |                           |
| 31-Mar-14 | 11:25 | 62.5            | 64.3            | 60.4            |                          |                           |                           |
| 31-Mar-14 | 11:30 | 61.8            | 64.1            | 59.5            |                          |                           |                           |
| 31-Mar-14 | 11:35 | 61.9            | 63.9            | 59.0            |                          |                           |                           |
| 31-Mar-14 | 11:40 | 61.8            | 63.9            | 59.1            |                          |                           |                           |
| 31-Mar-14 | 11:45 | 66.6            | 65.8            | 60.2            |                          |                           |                           |
| 31-Mar-14 | 11:50 | 62.3            | 64.2            | 59.6            | 63.0                     | 64.0                      | 59.4                      |
| 31-Mar-14 | 11:55 | 60.6            | 62.3            | 58.9            |                          |                           |                           |
| 31-Mar-14 | 12:00 | 61.3            | 62.9            | 59.2            |                          |                           |                           |
| 31-Mar-14 | 12:05 | 62.0            | 63.4            | 59.9            |                          |                           |                           |
| 31-Mar-14 | 12:10 | 60.7            | 62.8            | 58.4            |                          |                           |                           |
| 31-Mar-14 | 12:15 | 60.3            | 62.5            | 58.0            |                          |                           |                           |
| 31-Mar-14 | 12:20 | 60.0            | 62.5            | 57.1            |                          |                           |                           |
| 31-Mar-14 | 12:25 | 58.2            | 59.9            | 56.2            |                          |                           |                           |
| 31-Mar-14 | 12:30 | 59.7            | 61.6            | 57.2            |                          |                           |                           |
| 31-Mar-14 | 12:35 | 59.4            | 61.1            | 57.1            | 59.5                     | 61.3                      | 57.0                      |
| 31-Mar-14 | 12:40 | 59.1            | 60.5            | 57.1            |                          |                           |                           |
| 31-Mar-14 | 12:45 | 58.8            | 60.5            | 56.8            |                          |                           |                           |
| 31-Mar-14 | 12:50 | 59.5            | 61.6            | 56.7            |                          |                           |                           |
| 31-Mar-14 | 12:55 | 60.3            | 62.4            | 57.2            |                          |                           |                           |
| 31-Mar-14 | 13:00 | 59.4            | 60.9            | 57.2            |                          |                           |                           |
| 31-Mar-14 | 13:05 | 61.2            | 63.3            | 58.1            |                          |                           |                           |
| 31-Mar-14 | 13:10 | 62.9            | 65.3            | 59.6            |                          |                           |                           |
| 31-Mar-14 | 13:15 | 63.5            | 65.9            | 59.9            |                          |                           |                           |
| 31-Mar-14 | 13:20 | 63.1            | 65.4            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 13:25 | 64.8            | 66.5            | 61.7            | 62.8                     | 64.6                      | 59.4                      |
| 31-Mar-14 | 13:30 | 65.8            | 67.6            | 63.2            |                          |                           |                           |
| 31-Mar-14 | 13:35 | 66.5            | 67.9            | 62.9            |                          |                           |                           |
| 31-Mar-14 | 13:40 | 67.4            | 69.8            | 63.3            |                          |                           |                           |
| 31-Mar-14 | 13:45 | 66.1            | 68.4            | 61.8            |                          |                           |                           |
| 31-Mar-14 | 13:50 | 65.1            | 67.6            | 61.1            |                          |                           |                           |
| 31-Mar-14 | 13:55 | 62.5            | 64.6            | 59.8            |                          |                           |                           |
| 31-Mar-14 | 14:00 | 62.6            | 64.8            | 60.0            |                          |                           |                           |
| 31-Mar-14 | 14:05 | 63.4            | 65.3            | 60.7            |                          |                           |                           |
| 31-Mar-14 | 14:10 | 63.1            | 65.2            | 60.4            | 62.9                     | 65.0                      | 60.1                      |
| 31-Mar-14 | 14:15 | 63.0            | 65.2            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 14:20 | 62.6            | 64.8            | 59.5            |                          |                           |                           |
| 31-Mar-14 | 14:25 | 62.5            | 64.5            | 59.6            |                          |                           |                           |
| 31-Mar-14 | 14:30 | 62.4            | 63.9            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 14:35 | 62.6            | 64.4            | 60.3            |                          |                           |                           |
| 31-Mar-14 | 14:40 | 63.5            | 64.9            | 60.5            |                          |                           |                           |
| 31-Mar-14 | 14:45 | 63.4            | 65.8            | 60.5            |                          |                           |                           |
| 31-Mar-14 | 14:50 | 63.2            | 64.9            | 61.0            |                          |                           |                           |
| 31-Mar-14 | 14:55 | 62.0            | 63.5            | 60.1            |                          |                           |                           |

| Date      | dB(A) |                 |                 |                 |                          |                           |                           |
|-----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 31-Mar-14 | 15:00 | 63.3            | 65.4            | 60.6            | 62.8                     | 64.8                      | 60.2                      |
| 31-Mar-14 | 15:05 | 62.6            | 64.4            | 60.4            |                          |                           |                           |
| 31-Mar-14 | 15:10 | 63.2            | 65.8            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 15:15 | 63.1            | 65.8            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 15:20 | 62.5            | 64.1            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 15:25 | 61.8            | 63.5            | 59.8            |                          |                           |                           |
| 31-Mar-14 | 15:30 | 62.4            | 63.8            | 60.2            |                          |                           |                           |
| 31-Mar-14 | 15:35 | 61.6            | 62.9            | 60.0            |                          |                           |                           |
| 31-Mar-14 | 15:40 | 62.7            | 64.6            | 60.3            |                          |                           |                           |
| 31-Mar-14 | 15:45 | 62.8            | 64.2            | 60.8            |                          |                           |                           |
| 31-Mar-14 | 15:50 | 63.5            | 65.4            | 61.2            | 62.3                     | 63.6                      | 60.3                      |
| 31-Mar-14 | 15:55 | 61.8            | 63.6            | 59.5            |                          |                           |                           |
| 31-Mar-14 | 16:00 | 61.7            | 63.4            | 59.8            |                          |                           |                           |
| 31-Mar-14 | 16:05 | 62.7            | 63.9            | 60.4            |                          |                           |                           |
| 31-Mar-14 | 16:10 | 61.4            | 62.6            | 60.0            |                          |                           |                           |
| 31-Mar-14 | 16:15 | 62.3            | 63.8            | 60.4            |                          |                           |                           |
| 31-Mar-14 | 16:20 | 62.4            | 63.6            | 60.2            |                          |                           |                           |
| 31-Mar-14 | 16:25 | 63.1            | 64.3            | 61.0            |                          |                           |                           |
| 31-Mar-14 | 16:30 | 62.6            | 63.9            | 60.8            |                          |                           |                           |
| 31-Mar-14 | 16:35 | 63.6            | 64.7            | 61.8            |                          |                           |                           |
| 31-Mar-14 | 16:40 | 63.0            | 64.2            | 61.6            | 62.9                     | 64.1                      | 61.1                      |
| 31-Mar-14 | 16:45 | 63.7            | 64.9            | 62.1            |                          |                           |                           |
| 31-Mar-14 | 16:50 | 62.5            | 63.9            | 60.7            |                          |                           |                           |
| 31-Mar-14 | 16:55 | 61.6            | 63.1            | 59.8            |                          |                           |                           |
| 31-Mar-14 | 17:00 | 62.1            | 63.7            | 60.2            |                          |                           |                           |
| 31-Mar-14 | 17:05 | 62.0            | 63.6            | 60.1            |                          |                           |                           |
| 31-Mar-14 | 17:10 | 61.0            | 62.4            | 59.2            |                          |                           |                           |
| 31-Mar-14 | 17:15 | 61.3            | 63.5            | 58.4            |                          |                           |                           |
| 31-Mar-14 | 17:20 | 61.7            | 63.2            | 58.1            |                          |                           |                           |
| 31-Mar-14 | 17:25 | 59.9            | 61.5            | 57.5            |                          |                           |                           |
| 31-Mar-14 | 17:30 | 62.6            | 64.9            | 58.8            | 61.4                     | 62.9                      | 58.0                      |
| 31-Mar-14 | 17:35 | 61.4            | 63.3            | 58.0            |                          |                           |                           |
| 31-Mar-14 | 17:40 | 60.7            | 61.9            | 58.2            |                          |                           |                           |
| 31-Mar-14 | 17:45 | 63.3            | 64.1            | 58.0            |                          |                           |                           |
| 31-Mar-14 | 17:50 | 59.4            | 61.0            | 57.4            |                          |                           |                           |
| 31-Mar-14 | 17:55 | 59.8            | 61.9            | 57.4            |                          |                           |                           |
| 31-Mar-14 | 18:00 | 58.9            | 60.8            | 57.1            |                          |                           |                           |
| 31-Mar-14 | 18:05 | 59.3            | 60.9            | 57.1            |                          |                           |                           |
| 31-Mar-14 | 18:10 | 59.6            | 61.1            | 57.5            | 59.2                     | 60.8                      | 57.1                      |
| 31-Mar-14 | 18:15 | 59.7            | 61.7            | 57.2            |                          |                           |                           |
| 31-Mar-14 | 18:20 | 58.7            | 59.9            | 56.8            |                          |                           |                           |
| 31-Mar-14 | 18:25 | 59.1            | 60.3            | 57.0            |                          |                           |                           |
| 31-Mar-14 | 18:30 | 59.0            | 60.5            | 56.6            |                          |                           |                           |
| 31-Mar-14 | 18:35 | 59.0            | 60.6            | 57.2            |                          |                           |                           |
| 31-Mar-14 | 18:40 | 61.3            | 63.6            | 57.9            |                          |                           |                           |
| 31-Mar-14 | 18:45 | 60.1            | 62.5            | 57.3            |                          |                           |                           |
| 31-Mar-14 | 18:50 | 60.5            | 62.5            | 57.5            |                          |                           |                           |
| 31-Mar-14 | 18:55 | 59.3            | 61.6            | 56.8            |                          |                           |                           |

Mean     60.1     61.8     57.5  
 Maximum 61.4     63.0     58.9  
 Minimum 57.5     59.0     55.2

## Appendix C

### Day-time Noise Level at Tak Long Estate (M10)

| Date     | dB(A) |                 |                 |                 |                          |                           |                           |
|----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|          | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 1-Apr-14 | 7:00  | 55.5            | 56.8            | 53.4            | 57.5                     | 59.2                      | 54.7                      |
| 1-Apr-14 | 7:05  | 55.5            | 56.8            | 53.9            |                          |                           |                           |
| 1-Apr-14 | 7:10  | 57.8            | 59.6            | 55.0            |                          |                           |                           |
| 1-Apr-14 | 7:15  | 59.4            | 62.6            | 55.0            |                          |                           |                           |
| 1-Apr-14 | 7:20  | 57.7            | 59.6            | 55.2            |                          |                           |                           |
| 1-Apr-14 | 7:25  | 58.0            | 59.9            | 55.5            |                          |                           |                           |
| 1-Apr-14 | 7:30  | 59.4            | 61.0            | 57.4            |                          |                           |                           |
| 1-Apr-14 | 7:35  | 61.0            | 64.0            | 57.1            |                          |                           |                           |
| 1-Apr-14 | 7:40  | 60.4            | 63.6            | 57.0            |                          |                           |                           |
| 1-Apr-14 | 7:45  | 58.1            | 59.7            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 7:50  | 57.7            | 59.0            | 55.7            |                          |                           |                           |
| 1-Apr-14 | 7:55  | 59.5            | 62.1            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 8:00  | 59.6            | 61.7            | 56.8            | 61.1                     | 62.6                      | 58.0                      |
| 1-Apr-14 | 8:05  | 57.9            | 58.9            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 8:10  | 58.8            | 60.0            | 57.0            |                          |                           |                           |
| 1-Apr-14 | 8:15  | 61.8            | 64.3            | 58.2            |                          |                           |                           |
| 1-Apr-14 | 8:20  | 62.6            | 65.2            | 58.8            |                          |                           |                           |
| 1-Apr-14 | 8:25  | 63.4            | 65.4            | 61.1            |                          |                           |                           |
| 1-Apr-14 | 8:30  | 63.6            | 66.2            | 59.9            |                          |                           |                           |
| 1-Apr-14 | 8:35  | 61.0            | 62.9            | 58.6            |                          |                           |                           |
| 1-Apr-14 | 8:40  | 60.3            | 61.9            | 58.5            |                          |                           |                           |
| 1-Apr-14 | 8:45  | 60.7            | 62.5            | 59.0            |                          |                           |                           |
| 1-Apr-14 | 8:50  | 61.6            | 63.3            | 58.9            | 61.5                     | 63.2                      | 59.0                      |
| 1-Apr-14 | 8:55  | 61.0            | 62.5            | 59.3            |                          |                           |                           |
| 1-Apr-14 | 9:00  | 61.9            | 63.5            | 60.0            |                          |                           |                           |
| 1-Apr-14 | 9:05  | 61.4            | 62.9            | 59.3            |                          |                           |                           |
| 1-Apr-14 | 9:10  | 62.2            | 63.9            | 60.1            |                          |                           |                           |
| 1-Apr-14 | 9:15  | 62.1            | 64.3            | 59.7            |                          |                           |                           |
| 1-Apr-14 | 9:20  | 62.1            | 63.5            | 60.0            |                          |                           |                           |
| 1-Apr-14 | 9:25  | 62.3            | 64.7            | 59.6            |                          |                           |                           |
| 1-Apr-14 | 9:30  | 61.1            | 62.8            | 59.1            |                          |                           |                           |
| 1-Apr-14 | 9:35  | 60.7            | 62.2            | 59.0            |                          |                           |                           |
| 1-Apr-14 | 9:40  | 61.8            | 63.9            | 59.5            | 62.0                     | 63.8                      | 59.8                      |
| 1-Apr-14 | 9:45  | 60.9            | 62.5            | 59.1            |                          |                           |                           |
| 1-Apr-14 | 9:50  | 61.4            | 63.3            | 59.0            |                          |                           |                           |
| 1-Apr-14 | 9:55  | 62.1            | 64.6            | 59.0            |                          |                           |                           |
| 1-Apr-14 | 10:00 | 61.6            | 63.9            | 58.7            |                          |                           |                           |
| 1-Apr-14 | 10:05 | 61.2            | 63.0            | 58.9            |                          |                           |                           |
| 1-Apr-14 | 10:10 | 61.6            | 63.2            | 59.3            |                          |                           |                           |
| 1-Apr-14 | 10:15 | 60.8            | 62.7            | 58.4            |                          |                           |                           |
| 1-Apr-14 | 10:20 | 60.9            | 62.3            | 58.7            |                          |                           |                           |
| 1-Apr-14 | 10:25 | 60.8            | 63.1            | 58.2            |                          |                           |                           |
| 1-Apr-14 | 10:30 | 61.1            | 62.7            | 58.9            | 61.1                     | 63.0                      | 58.8                      |
| 1-Apr-14 | 10:35 | 61.2            | 62.8            | 59.2            |                          |                           |                           |
| 1-Apr-14 | 10:40 | 60.8            | 63.0            | 58.4            |                          |                           |                           |
| 1-Apr-14 | 10:45 | 60.7            | 62.5            | 58.6            |                          |                           |                           |
| 1-Apr-14 | 10:50 | 61.1            | 63.4            | 58.3            |                          |                           |                           |
| 1-Apr-14 | 10:55 | 61.8            | 63.8            | 59.2            |                          |                           |                           |

| Date     | dB(A) |                 |                 |                 |                          |                           |                           |
|----------|-------|-----------------|-----------------|-----------------|--------------------------|---------------------------|---------------------------|
|          | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> | L <sub>eq</sub> (30-min) | L <sub>10</sub> (Average) | L <sub>90</sub> (Average) |
| 1-Apr-14 | 11:00 | 61.0            | 62.7            | 58.8            | 60.8                     | 62.4                      | 58.8                      |
| 1-Apr-14 | 11:05 | 60.8            | 62.0            | 59.3            |                          |                           |                           |
| 1-Apr-14 | 11:10 | 61.2            | 62.6            | 59.1            |                          |                           |                           |
| 1-Apr-14 | 11:15 | 60.3            | 61.9            | 58.3            |                          |                           |                           |
| 1-Apr-14 | 11:20 | 60.7            | 62.6            | 58.2            |                          |                           |                           |
| 1-Apr-14 | 11:25 | 60.9            | 62.7            | 58.8            |                          |                           |                           |
| 1-Apr-14 | 11:30 | 59.5            | 61.3            | 57.4            |                          |                           |                           |
| 1-Apr-14 | 11:35 | 58.5            | 59.9            | 57.0            |                          |                           |                           |
| 1-Apr-14 | 11:40 | 58.8            | 60.3            | 57.0            |                          |                           |                           |
| 1-Apr-14 | 11:45 | 58.6            | 60.3            | 56.5            |                          |                           |                           |
| 1-Apr-14 | 11:50 | 59.3            | 60.9            | 57.1            | 59.6                     | 61.3                      | 56.5                      |
| 1-Apr-14 | 11:55 | 58.7            | 60.5            | 56.4            |                          |                           |                           |
| 1-Apr-14 | 12:00 | 58.1            | 60.1            | 55.9            |                          |                           |                           |
| 1-Apr-14 | 12:05 | 59.9            | 61.8            | 57.4            |                          |                           |                           |
| 1-Apr-14 | 12:10 | 59.2            | 61.5            | 55.8            |                          |                           |                           |
| 1-Apr-14 | 12:15 | 61.0            | 62.5            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 12:20 | 59.8            | 61.6            | 57.2            |                          |                           |                           |
| 1-Apr-14 | 12:25 | 59.3            | 60.5            | 56.4            |                          |                           |                           |
| 1-Apr-14 | 12:30 | 58.9            | 60.7            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 12:35 | 58.9            | 60.5            | 56.6            |                          |                           |                           |
| 1-Apr-14 | 12:40 | 59.3            | 61.4            | 57.1            | 59.2                     | 61.0                      | 56.4                      |
| 1-Apr-14 | 12:45 | 59.9            | 61.7            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 12:50 | 58.4            | 59.9            | 56.3            |                          |                           |                           |
| 1-Apr-14 | 12:55 | 59.8            | 61.5            | 56.0            |                          |                           |                           |
| 1-Apr-14 | 13:00 | 59.7            | 61.5            | 56.9            |                          |                           |                           |
| 1-Apr-14 | 13:05 | 60.0            | 62.2            | 57.3            |                          |                           |                           |
| 1-Apr-14 | 13:10 | 61.9            | 63.7            | 59.3            | 61.0                     | 62.7                      | 58.5                      |
| 1-Apr-14 | 13:15 | 61.6            | 63.4            | 59.0            |                          |                           |                           |
| 1-Apr-14 | 13:20 | 61.4            | 63.0            | 59.2            |                          |                           |                           |
| 1-Apr-14 | 13:25 | 60.8            | 62.5            | 59.0            |                          |                           |                           |

Mean 60.4  
Maximum 61.5  
Minimum 57.5

| Summary of Day-time Noise Level at Tak Long Estate (M10) |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
|  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| Mean   | 59.9            | 61.6            | 57.3            |
| Maximum  | 61.6            | 64.2            | 59.3            |
| Minimum  | 54.6            | 56.1            | 52.0            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 13-Mar-14 | 19:00 | 56.5            | 58.2            | 54.8            |
| 13-Mar-14 | 19:05 | 57.7            | 59.8            | 55.0            |
| 13-Mar-14 | 19:10 | 56.6            | 57.9            | 54.5            |
| 13-Mar-14 | 19:15 | 56.8            | 58.6            | 54.6            |
| 13-Mar-14 | 19:20 | 55.6            | 56.8            | 54.0            |
| 13-Mar-14 | 19:25 | 55.8            | 57.5            | 53.7            |
| 13-Mar-14 | 19:30 | 55.8            | 57.5            | 53.9            |
| 13-Mar-14 | 19:35 | 56.8            | 58.3            | 53.9            |
| 13-Mar-14 | 19:40 | 55.7            | 57.2            | 53.3            |
| 13-Mar-14 | 19:45 | 56.3            | 58.9            | 53.9            |
| 13-Mar-14 | 19:50 | 57.4            | 57.4            | 53.2            |
| 13-Mar-14 | 19:55 | 55.9            | 57.8            | 53.7            |
| 13-Mar-14 | 20:00 | 57.7            | 60.0            | 53.4            |
| 13-Mar-14 | 20:05 | 58.2            | 61.7            | 53.4            |
| 13-Mar-14 | 20:10 | 56.7            | 59.3            | 53.3            |
| 13-Mar-14 | 20:15 | 55.7            | 57.5            | 53.5            |
| 13-Mar-14 | 20:20 | 56.3            | 58.4            | 54.0            |
| 13-Mar-14 | 20:25 | 56.2            | 56.8            | 53.0            |
| 13-Mar-14 | 20:30 | 55.8            | 57.9            | 53.2            |
| 13-Mar-14 | 20:35 | 55.3            | 56.9            | 53.1            |
| 13-Mar-14 | 20:40 | 54.6            | 56.6            | 52.6            |
| 13-Mar-14 | 20:45 | 54.7            | 56.3            | 53.1            |
| 13-Mar-14 | 20:50 | 54.9            | 56.9            | 52.5            |
| 13-Mar-14 | 20:55 | 56.4            | 58.6            | 53.0            |
| 13-Mar-14 | 21:00 | 54.5            | 56.7            | 52.5            |
| 13-Mar-14 | 21:05 | 55.9            | 58.1            | 52.7            |
| 13-Mar-14 | 21:10 | 55.0            | 56.8            | 52.7            |
| 13-Mar-14 | 21:15 | 54.0            | 55.4            | 52.5            |
| 13-Mar-14 | 21:20 | 54.3            | 55.8            | 52.4            |
| 13-Mar-14 | 21:25 | 54.6            | 55.8            | 52.7            |
| 13-Mar-14 | 21:30 | 54.8            | 56.8            | 52.6            |
| 13-Mar-14 | 21:35 | 55.9            | 58.1            | 52.2            |
| 13-Mar-14 | 21:40 | 54.9            | 56.7            | 53.0            |
| 13-Mar-14 | 21:45 | 54.7            | 55.7            | 52.9            |
| 13-Mar-14 | 21:50 | 54.4            | 55.5            | 52.1            |
| 13-Mar-14 | 21:55 | 55.7            | 58.2            | 52.4            |
| 13-Mar-14 | 22:00 | 53.6            | 54.8            | 52.1            |
| 13-Mar-14 | 22:05 | 53.3            | 54.6            | 52.1            |
| 13-Mar-14 | 22:10 | 54.2            | 56.2            | 52.1            |
| 13-Mar-14 | 22:15 | 54.0            | 55.7            | 52.1            |
| 13-Mar-14 | 22:20 | 55.0            | 57.6            | 52.2            |
| 13-Mar-14 | 22:25 | 53.9            | 55.4            | 52.1            |
| 13-Mar-14 | 22:30 | 55.7            | 57.9            | 53.0            |
| 13-Mar-14 | 22:35 | 53.9            | 55.4            | 52.4            |
| 13-Mar-14 | 22:40 | 54.2            | 55.8            | 52.2            |
| 13-Mar-14 | 22:45 | 54.4            | 56.2            | 52.0            |
| 13-Mar-14 | 22:50 | 53.1            | 54.4            | 51.6            |
| 13-Mar-14 | 22:55 | 54.6            | 56.5            | 51.7            |
| Mean      |       | 55.5            | 57.1            | 53.0            |
| Maximum   |       | 58.2            | 61.7            | 55.0            |
| Minimum   |       | 53.1            | 54.4            | 51.6            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 14-Mar-14 | 19:00 | 58.5            | 60.0            | 56.0            |
| 14-Mar-14 | 19:05 | 57.9            | 60.2            | 55.2            |
| 14-Mar-14 | 19:10 | 57.9            | 59.6            | 55.3            |
| 14-Mar-14 | 19:15 | 59.0            | 61.6            | 54.6            |
| 14-Mar-14 | 19:20 | 56.7            | 58.6            | 55.0            |
| 14-Mar-14 | 19:25 | 56.4            | 57.7            | 55.0            |
| 14-Mar-14 | 19:30 | 58.1            | 60.6            | 54.4            |
| 14-Mar-14 | 19:35 | 57.3            | 58.9            | 55.2            |
| 14-Mar-14 | 19:40 | 56.5            | 58.5            | 54.5            |
| 14-Mar-14 | 19:45 | 56.9            | 59.0            | 54.2            |
| 14-Mar-14 | 19:50 | 55.8            | 57.5            | 54.0            |
| 14-Mar-14 | 19:55 | 55.7            | 57.4            | 53.8            |
| 14-Mar-14 | 20:00 | 55.5            | 57.3            | 53.4            |
| 14-Mar-14 | 20:05 | 55.6            | 56.9            | 54.0            |
| 14-Mar-14 | 20:10 | 55.3            | 56.9            | 53.3            |
| 14-Mar-14 | 20:15 | 55.8            | 57.8            | 53.3            |
| 14-Mar-14 | 20:20 | 55.1            | 56.5            | 53.3            |
| 14-Mar-14 | 20:25 | 55.9            | 58.1            | 53.2            |
| 14-Mar-14 | 20:30 | 55.2            | 56.7            | 53.4            |
| 14-Mar-14 | 20:35 | 55.0            | 56.6            | 53.0            |
| 14-Mar-14 | 20:40 | 56.5            | 58.7            | 53.8            |
| 14-Mar-14 | 20:45 | 54.4            | 55.7            | 52.9            |
| 14-Mar-14 | 20:50 | 54.5            | 55.7            | 53.0            |
| 14-Mar-14 | 20:55 | 55.4            | 57.5            | 52.5            |
| 14-Mar-14 | 21:00 | 53.7            | 54.8            | 52.2            |
| 14-Mar-14 | 21:05 | 54.3            | 56.2            | 52.3            |
| 14-Mar-14 | 21:10 | 54.6            | 56.0            | 52.5            |
| 14-Mar-14 | 21:15 | 55.7            | 57.2            | 52.5            |
| 14-Mar-14 | 21:20 | 54.3            | 55.7            | 52.4            |
| 14-Mar-14 | 21:25 | 55.1            | 56.8            | 53.2            |
| 14-Mar-14 | 21:30 | 54.6            | 56.3            | 52.8            |
| 14-Mar-14 | 21:35 | 55.7            | 57.8            | 53.0            |
| 14-Mar-14 | 21:40 | 54.7            | 56.3            | 53.1            |
| 14-Mar-14 | 21:45 | 54.4            | 55.8            | 52.6            |
| 14-Mar-14 | 21:50 | 54.0            | 55.5            | 52.5            |
| 14-Mar-14 | 21:55 | 55.2            | 57.3            | 52.7            |
| 14-Mar-14 | 22:00 | 54.9            | 56.6            | 52.4            |
| 14-Mar-14 | 22:05 | 54.3            | 55.9            | 52.1            |
| 14-Mar-14 | 22:10 | 53.3            | 54.7            | 51.9            |
| 14-Mar-14 | 22:15 | 54.5            | 55.9            | 52.8            |
| 14-Mar-14 | 22:20 | 54.2            | 55.6            | 52.8            |
| 14-Mar-14 | 22:25 | 53.7            | 55.0            | 52.2            |
| 14-Mar-14 | 22:30 | 54.7            | 56.4            | 52.1            |
| 14-Mar-14 | 22:35 | 55.1            | 56.7            | 52.9            |
| 14-Mar-14 | 22:40 | 54.8            | 56.9            | 52.3            |
| 14-Mar-14 | 22:45 | 54.1            | 55.6            | 52.4            |
| 14-Mar-14 | 22:50 | 54.0            | 55.6            | 52.1            |
| 14-Mar-14 | 22:55 | 54.6            | 56.2            | 52.2            |
| Mean      |       | 55.6            | 57.1            | 53.3            |
| Maximum   |       | 59.0            | 61.6            | 56.0            |
| Minimum   |       | 53.3            | 54.7            | 51.9            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 15-Mar-14 | 19:00 | 58.9            | 61.7            | 55.1            |
| 15-Mar-14 | 19:05 | 59.2            | 61.2            | 55.9            |
| 15-Mar-14 | 19:10 | 56.6            | 58.0            | 55.0            |
| 15-Mar-14 | 19:15 | 59.8            | 61.6            | 55.8            |
| 15-Mar-14 | 19:20 | 56.9            | 58.7            | 54.8            |
| 15-Mar-14 | 19:25 | 57.2            | 59.2            | 54.5            |
| 15-Mar-14 | 19:30 | 57.1            | 58.8            | 54.5            |
| 15-Mar-14 | 19:35 | 59.4            | 62.9            | 55.0            |
| 15-Mar-14 | 19:40 | 57.2            | 58.8            | 55.1            |
| 15-Mar-14 | 19:45 | 56.2            | 57.9            | 54.2            |
| 15-Mar-14 | 19:50 | 56.3            | 57.8            | 54.5            |
| 15-Mar-14 | 19:55 | 57.1            | 59.7            | 54.5            |
| 15-Mar-14 | 20:00 | 56.3            | 58.3            | 54.1            |
| 15-Mar-14 | 20:05 | 55.5            | 57.4            | 53.6            |
| 15-Mar-14 | 20:10 | 56.1            | 57.9            | 53.7            |
| 15-Mar-14 | 20:15 | 57.0            | 58.9            | 53.8            |
| 15-Mar-14 | 20:20 | 55.5            | 57.3            | 53.1            |
| 15-Mar-14 | 20:25 | 55.8            | 56.9            | 53.2            |
| 15-Mar-14 | 20:30 | 56.6            | 58.3            | 54.1            |
| 15-Mar-14 | 20:35 | 55.4            | 56.9            | 53.7            |
| 15-Mar-14 | 20:40 | 55.9            | 57.7            | 53.8            |
| 15-Mar-14 | 20:45 | 55.1            | 57.0            | 53.1            |
| 15-Mar-14 | 20:50 | 55.2            | 56.7            | 53.3            |
| 15-Mar-14 | 20:55 | 56.6            | 58.7            | 53.8            |
| 15-Mar-14 | 21:00 | 55.9            | 57.8            | 53.4            |
| 15-Mar-14 | 21:05 | 55.1            | 57.1            | 53.0            |
| 15-Mar-14 | 21:10 | 54.8            | 56.3            | 53.0            |
| 15-Mar-14 | 21:15 | 56.2            | 58.6            | 53.3            |
| 15-Mar-14 | 21:20 | 55.1            | 57.1            | 52.6            |
| 15-Mar-14 | 21:25 | 54.8            | 56.3            | 52.9            |
| 15-Mar-14 | 21:30 | 55.2            | 56.9            | 53.2            |
| 15-Mar-14 | 21:35 | 56.0            | 57.5            | 53.4            |
| 15-Mar-14 | 21:40 | 54.3            | 55.6            | 53.0            |
| 15-Mar-14 | 21:45 | 54.7            | 55.8            | 53.1            |
| 15-Mar-14 | 21:50 | 54.7            | 55.9            | 53.2            |
| 15-Mar-14 | 21:55 | 56.3            | 58.4            | 53.5            |
| 15-Mar-14 | 22:00 | 55.3            | 56.5            | 53.6            |
| 15-Mar-14 | 22:05 | 54.9            | 56.7            | 52.7            |
| 15-Mar-14 | 22:10 | 54.7            | 56.3            | 52.7            |
| 15-Mar-14 | 22:15 | 55.4            | 57.0            | 53.3            |
| 15-Mar-14 | 22:20 | 54.9            | 56.1            | 53.3            |
| 15-Mar-14 | 22:25 | 55.6            | 57.3            | 53.4            |
| 15-Mar-14 | 22:30 | 55.7            | 56.8            | 53.2            |
| 15-Mar-14 | 22:35 | 55.4            | 56.8            | 53.0            |
| 15-Mar-14 | 22:40 | 55.1            | 56.6            | 53.4            |
| 15-Mar-14 | 22:45 | 57.7            | 57.7            | 53.4            |
| 15-Mar-14 | 22:50 | 55.0            | 55.9            | 53.0            |
| 15-Mar-14 | 22:55 | 55.1            | 56.6            | 53.1            |
| Mean      |       | 56.3            | 57.7            | 53.7            |
| Maximum   |       | 59.8            | 62.9            | 55.9            |
| Minimum   |       | 54.3            | 55.6            | 52.6            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 16-Mar-14 | 07:00 | 53.6            | 54.8            | 51.2            |
| 16-Mar-14 | 07:05 | 52.9            | 54.3            | 51.2            |
| 16-Mar-14 | 07:10 | 53.6            | 55.3            | 51.5            |
| 16-Mar-14 | 07:15 | 54.6            | 56.8            | 52.1            |
| 16-Mar-14 | 07:20 | 53.6            | 55.2            | 51.7            |
| 16-Mar-14 | 07:25 | 55.0            | 56.8            | 52.0            |
| 16-Mar-14 | 07:30 | 55.2            | 56.8            | 52.4            |
| 16-Mar-14 | 07:35 | 54.1            | 55.4            | 52.4            |
| 16-Mar-14 | 07:40 | 57.2            | 59.9            | 52.4            |
| 16-Mar-14 | 07:45 | 54.9            | 57.0            | 52.3            |
| 16-Mar-14 | 07:50 | 54.7            | 56.2            | 52.1            |
| 16-Mar-14 | 07:55 | 55.3            | 56.9            | 52.4            |
| 16-Mar-14 | 08:00 | 54.4            | 55.6            | 52.6            |
| 16-Mar-14 | 08:05 | 56.2            | 58.4            | 53.6            |
| 16-Mar-14 | 08:10 | 56.1            | 57.8            | 53.7            |
| 16-Mar-14 | 08:15 | 56.5            | 58.8            | 53.2            |
| 16-Mar-14 | 08:20 | 55.3            | 56.7            | 53.3            |
| 16-Mar-14 | 08:25 | 55.8            | 57.7            | 53.3            |
| 16-Mar-14 | 08:30 | 55.6            | 57.9            | 53.2            |
| 16-Mar-14 | 08:35 | 55.3            | 56.7            | 53.5            |
| 16-Mar-14 | 08:40 | 55.6            | 57.0            | 53.7            |
| 16-Mar-14 | 08:45 | 55.8            | 57.3            | 54.0            |
| 16-Mar-14 | 08:50 | 56.1            | 58.2            | 53.9            |
| 16-Mar-14 | 08:55 | 55.7            | 56.9            | 53.9            |
| 16-Mar-14 | 09:00 | 56.5            | 57.9            | 54.2            |
| 16-Mar-14 | 09:05 | 57.3            | 59.1            | 55.0            |
| 16-Mar-14 | 09:10 | 57.1            | 58.4            | 54.0            |
| 16-Mar-14 | 09:15 | 56.8            | 58.7            | 54.1            |
| 16-Mar-14 | 09:20 | 57.4            | 59.2            | 54.6            |
| 16-Mar-14 | 09:25 | 55.7            | 57.3            | 53.9            |
| 16-Mar-14 | 09:30 | 56.1            | 57.6            | 54.2            |
| 16-Mar-14 | 09:35 | 57.1            | 59.0            | 54.4            |
| 16-Mar-14 | 09:40 | 56.6            | 58.5            | 54.0            |
| 16-Mar-14 | 09:45 | 57.4            | 59.7            | 54.5            |
| 16-Mar-14 | 09:50 | 56.3            | 57.7            | 54.3            |
| 16-Mar-14 | 09:55 | 56.5            | 58.3            | 54.2            |
| 16-Mar-14 | 10:00 | 55.8            | 57.7            | 53.3            |
| 16-Mar-14 | 10:05 | 56.2            | 57.9            | 54.1            |
| 16-Mar-14 | 10:10 | 56.6            | 58.4            | 54.4            |
| 16-Mar-14 | 10:15 | 57.0            | 58.8            | 54.4            |
| 16-Mar-14 | 10:20 | 56.2            | 57.9            | 54.2            |
| 16-Mar-14 | 10:25 | 57.1            | 59.4            | 54.2            |
| 16-Mar-14 | 10:30 | 57.5            | 60.3            | 54.3            |
| 16-Mar-14 | 10:35 | 56.9            | 58.7            | 54.6            |
| 16-Mar-14 | 10:40 | 58.4            | 60.9            | 55.1            |
| 16-Mar-14 | 10:45 | 57.6            | 58.8            | 54.8            |
| 16-Mar-14 | 10:50 | 59.6            | 63.1            | 55.2            |
| 16-Mar-14 | 10:55 | 57.6            | 59.9            | 54.4            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 16-Mar-14 | 11:00 | 56.8            | 58.3            | 54.4            |
| 16-Mar-14 | 11:05 | 57.0            | 58.3            | 54.4            |
| 16-Mar-14 | 11:10 | 57.8            | 60.3            | 54.6            |
| 16-Mar-14 | 11:15 | 57.1            | 58.9            | 54.2            |
| 16-Mar-14 | 11:20 | 57.4            | 58.9            | 54.5            |
| 16-Mar-14 | 11:25 | 57.4            | 59.6            | 54.8            |
| 16-Mar-14 | 11:30 | 57.1            | 59.0            | 54.5            |
| 16-Mar-14 | 11:35 | 59.3            | 61.4            | 55.3            |
| 16-Mar-14 | 11:40 | 57.0            | 59.1            | 54.4            |
| 16-Mar-14 | 11:45 | 58.1            | 60.8            | 54.5            |
| 16-Mar-14 | 11:50 | 57.6            | 59.8            | 54.5            |
| 16-Mar-14 | 11:55 | 57.1            | 58.9            | 55.0            |
| 16-Mar-14 | 12:00 | 57.1            | 59.2            | 54.7            |
| 16-Mar-14 | 12:05 | 56.3            | 57.7            | 54.4            |
| 16-Mar-14 | 12:10 | 58.1            | 60.3            | 54.6            |
| 16-Mar-14 | 12:15 | 58.8            | 61.2            | 55.3            |
| 16-Mar-14 | 12:20 | 57.1            | 59.0            | 54.8            |
| 16-Mar-14 | 12:25 | 56.5            | 58.3            | 54.0            |
| 16-Mar-14 | 12:30 | 57.4            | 58.3            | 54.3            |
| 16-Mar-14 | 12:35 | 57.4            | 59.1            | 54.8            |
| 16-Mar-14 | 12:40 | 57.6            | 59.9            | 54.2            |
| 16-Mar-14 | 12:45 | 59.9            | 63.1            | 54.4            |
| 16-Mar-14 | 12:50 | 56.8            | 58.9            | 54.2            |
| 16-Mar-14 | 12:55 | 56.4            | 58.4            | 54.0            |
| 16-Mar-14 | 13:00 | 56.0            | 57.7            | 53.9            |
| 16-Mar-14 | 13:05 | 57.7            | 59.1            | 53.8            |
| 16-Mar-14 | 13:10 | 58.3            | 60.8            | 55.2            |
| 16-Mar-14 | 13:15 | 58.8            | 61.5            | 55.2            |
| 16-Mar-14 | 13:20 | 57.4            | 59.5            | 54.7            |
| 16-Mar-14 | 13:25 | 56.9            | 58.8            | 54.7            |
| 16-Mar-14 | 13:30 | 57.7            | 60.0            | 54.5            |
| 16-Mar-14 | 13:35 | 57.2            | 59.2            | 55.0            |
| 16-Mar-14 | 13:40 | 56.9            | 58.7            | 54.6            |
| 16-Mar-14 | 13:45 | 56.8            | 58.6            | 54.6            |
| 16-Mar-14 | 13:50 | 56.9            | 58.8            | 54.5            |
| 16-Mar-14 | 13:55 | 58.0            | 59.9            | 55.1            |
| 16-Mar-14 | 14:00 | 57.4            | 59.6            | 54.9            |
| 16-Mar-14 | 14:05 | 57.4            | 59.6            | 54.9            |
| 16-Mar-14 | 14:10 | 57.4            | 59.3            | 54.5            |
| 16-Mar-14 | 14:15 | 57.7            | 59.5            | 54.5            |
| 16-Mar-14 | 14:20 | 57.1            | 59.1            | 54.5            |
| 16-Mar-14 | 14:25 | 58.0            | 60.0            | 54.7            |
| 16-Mar-14 | 14:30 | 57.2            | 59.1            | 54.6            |
| 16-Mar-14 | 14:35 | 56.9            | 59.1            | 54.4            |
| 16-Mar-14 | 14:40 | 56.2            | 57.7            | 54.2            |
| 16-Mar-14 | 14:45 | 57.1            | 58.8            | 54.8            |
| 16-Mar-14 | 14:50 | 62.5            | 63.9            | 55.6            |
| 16-Mar-14 | 14:55 | 59.3            | 62.3            | 55.0            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 16-Mar-14 | 15:00 | 57.5            | 59.5            | 54.3            |
| 16-Mar-14 | 15:05 | 56.4            | 57.9            | 54.1            |
| 16-Mar-14 | 15:10 | 57.6            | 59.6            | 54.5            |
| 16-Mar-14 | 15:15 | 58.4            | 60.3            | 55.4            |
| 16-Mar-14 | 15:20 | 58.6            | 60.7            | 55.4            |
| 16-Mar-14 | 15:25 | 58.8            | 59.3            | 55.0            |
| 16-Mar-14 | 15:30 | 57.3            | 59.2            | 55.0            |
| 16-Mar-14 | 15:35 | 57.6            | 59.9            | 54.7            |
| 16-Mar-14 | 15:40 | 57.3            | 59.3            | 54.4            |
| 16-Mar-14 | 15:45 | 57.3            | 59.4            | 54.7            |
| 16-Mar-14 | 15:50 | 56.7            | 58.4            | 54.6            |
| 16-Mar-14 | 15:55 | 57.9            | 60.2            | 54.4            |
| 16-Mar-14 | 16:00 | 57.1            | 59.3            | 54.4            |
| 16-Mar-14 | 16:05 | 58.5            | 60.8            | 54.9            |
| 16-Mar-14 | 16:10 | 56.6            | 58.7            | 54.0            |
| 16-Mar-14 | 16:15 | 58.0            | 59.6            | 55.1            |
| 16-Mar-14 | 16:20 | 56.5            | 58.5            | 54.3            |
| 16-Mar-14 | 16:25 | 57.5            | 58.8            | 54.4            |
| 16-Mar-14 | 16:30 | 57.6            | 60.4            | 54.2            |
| 16-Mar-14 | 16:35 | 58.8            | 61.6            | 54.9            |
| 16-Mar-14 | 16:40 | 58.2            | 60.6            | 54.5            |
| 16-Mar-14 | 16:45 | 57.1            | 59.1            | 54.8            |
| 16-Mar-14 | 16:50 | 57.6            | 59.5            | 54.3            |
| 16-Mar-14 | 16:55 | 57.2            | 58.6            | 54.4            |
| 16-Mar-14 | 17:00 | 57.6            | 59.9            | 54.6            |
| 16-Mar-14 | 17:05 | 56.3            | 58.0            | 54.1            |
| 16-Mar-14 | 17:10 | 58.5            | 61.3            | 55.2            |
| 16-Mar-14 | 17:15 | 56.9            | 59.0            | 54.2            |
| 16-Mar-14 | 17:20 | 56.1            | 57.8            | 54.1            |
| 16-Mar-14 | 17:25 | 56.4            | 58.4            | 54.0            |
| 16-Mar-14 | 17:30 | 57.2            | 59.3            | 53.9            |
| 16-Mar-14 | 17:35 | 55.8            | 57.5            | 53.7            |
| 16-Mar-14 | 17:40 | 56.4            | 58.2            | 54.1            |
| 16-Mar-14 | 17:45 | 56.1            | 57.8            | 54.1            |
| 16-Mar-14 | 17:50 | 55.7            | 57.3            | 54.1            |
| 16-Mar-14 | 17:55 | 56.8            | 58.8            | 54.0            |
| 16-Mar-14 | 18:00 | 55.7            | 57.5            | 53.6            |
| 16-Mar-14 | 18:05 | 55.5            | 56.9            | 53.8            |
| 16-Mar-14 | 18:10 | 56.4            | 57.8            | 54.2            |
| 16-Mar-14 | 18:15 | 55.8            | 57.3            | 54.0            |
| 16-Mar-14 | 18:20 | 56.3            | 58.4            | 53.9            |
| 16-Mar-14 | 18:25 | 56.9            | 59.1            | 54.3            |
| 16-Mar-14 | 18:30 | 55.9            | 57.7            | 53.8            |
| 16-Mar-14 | 18:35 | 56.3            | 58.2            | 53.9            |
| 16-Mar-14 | 18:40 | 55.6            | 57.1            | 54.1            |
| 16-Mar-14 | 18:45 | 57.6            | 60.5            | 54.4            |
| 16-Mar-14 | 18:50 | 56.0            | 58.0            | 53.9            |
| 16-Mar-14 | 18:55 | 55.4            | 56.9            | 53.3            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 16-Mar-14 | 19:00 | 55.3            | 56.9            | 53.2            |
| 16-Mar-14 | 19:05 | 56.0            | 57.8            | 53.7            |
| 16-Mar-14 | 19:10 | 54.8            | 56.2            | 53.2            |
| 16-Mar-14 | 19:15 | 56.6            | 59.1            | 53.4            |
| 16-Mar-14 | 19:20 | 54.7            | 56.4            | 52.9            |
| 16-Mar-14 | 19:25 | 56.5            | 58.9            | 53.4            |
| 16-Mar-14 | 19:30 | 54.5            | 55.9            | 53.1            |
| 16-Mar-14 | 19:35 | 55.7            | 57.2            | 53.2            |
| 16-Mar-14 | 19:40 | 55.1            | 56.9            | 53.0            |
| 16-Mar-14 | 19:45 | 55.0            | 56.5            | 53.2            |
| 16-Mar-14 | 19:50 | 54.9            | 56.7            | 53.0            |
| 16-Mar-14 | 19:55 | 55.6            | 57.8            | 53.3            |
| 16-Mar-14 | 20:00 | 55.3            | 57.0            | 53.3            |
| 16-Mar-14 | 20:05 | 55.0            | 56.7            | 52.9            |
| 16-Mar-14 | 20:10 | 55.4            | 57.4            | 53.1            |
| 16-Mar-14 | 20:15 | 55.6            | 58.3            | 53.0            |
| 16-Mar-14 | 20:20 | 55.3            | 57.3            | 53.0            |
| 16-Mar-14 | 20:25 | 55.4            | 57.2            | 53.3            |
| 16-Mar-14 | 20:30 | 55.0            | 56.6            | 53.2            |
| 16-Mar-14 | 20:35 | 56.1            | 58.1            | 52.9            |
| 16-Mar-14 | 20:40 | 55.0            | 56.8            | 53.0            |
| 16-Mar-14 | 20:45 | 55.7            | 57.7            | 53.0            |
| 16-Mar-14 | 20:50 | 55.1            | 56.5            | 53.2            |
| 16-Mar-14 | 20:55 | 56.5            | 59.0            | 53.6            |
| 16-Mar-14 | 21:00 | 54.2            | 55.8            | 52.1            |
| 16-Mar-14 | 21:05 | 54.5            | 55.9            | 53.0            |
| 16-Mar-14 | 21:10 | 55.5            | 57.4            | 53.3            |
| 16-Mar-14 | 21:15 | 55.3            | 57.2            | 52.4            |
| 16-Mar-14 | 21:20 | 59.5            | 62.6            | 52.7            |
| 16-Mar-14 | 21:25 | 54.5            | 55.7            | 53.1            |
| 16-Mar-14 | 21:30 | 55.7            | 58.0            | 53.1            |
| 16-Mar-14 | 21:35 | 55.8            | 57.6            | 53.1            |
| 16-Mar-14 | 21:40 | 55.3            | 57.3            | 53.0            |
| 16-Mar-14 | 21:45 | 54.5            | 56.4            | 52.8            |
| 16-Mar-14 | 21:50 | 55.0            | 56.9            | 52.6            |
| 16-Mar-14 | 21:55 | 55.0            | 56.7            | 53.0            |
| 16-Mar-14 | 22:00 | 54.1            | 55.4            | 52.5            |
| 16-Mar-14 | 22:05 | 57.3            | 57.8            | 52.2            |
| 16-Mar-14 | 22:10 | 53.7            | 55.5            | 51.8            |
| 16-Mar-14 | 22:15 | 54.1            | 55.9            | 52.2            |
| 16-Mar-14 | 22:20 | 53.5            | 54.7            | 52.0            |
| 16-Mar-14 | 22:25 | 54.1            | 55.7            | 52.1            |
| 16-Mar-14 | 22:30 | 53.0            | 54.0            | 51.7            |
| 16-Mar-14 | 22:35 | 55.1            | 57.0            | 52.0            |
| 16-Mar-14 | 22:40 | 54.4            | 56.1            | 52.2            |
| 16-Mar-14 | 22:45 | 53.9            | 55.5            | 52.1            |
| 16-Mar-14 | 22:50 | 53.8            | 54.9            | 52.0            |
| 16-Mar-14 | 22:55 | 53.8            | 55.1            | 51.4            |
| Mean      |       | 56.7            | 58.3            | 53.8            |
| Maximum   |       | 62.5            | 63.9            | 55.6            |
| Minimum   |       | 52.9            | 54.0            | 51.2            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 17-Mar-14 | 19:00 | 57.7            | 60.0            | 55.2            |
| 17-Mar-14 | 19:05 | 57.8            | 59.4            | 55.0            |
| 17-Mar-14 | 19:10 | 55.6            | 56.8            | 54.2            |
| 17-Mar-14 | 19:15 | 58.3            | 60.2            | 55.2            |
| 17-Mar-14 | 19:20 | 55.7            | 56.9            | 54.1            |
| 17-Mar-14 | 19:25 | 57.0            | 59.1            | 54.5            |
| 17-Mar-14 | 19:30 | 58.1            | 60.6            | 54.9            |
| 17-Mar-14 | 19:35 | 56.8            | 58.3            | 54.1            |
| 17-Mar-14 | 19:40 | 55.7            | 56.9            | 54.1            |
| 17-Mar-14 | 19:45 | 56.8            | 58.9            | 53.8            |
| 17-Mar-14 | 19:50 | 55.8            | 57.6            | 54.0            |
| 17-Mar-14 | 19:55 | 59.0            | 62.1            | 54.2            |
| 17-Mar-14 | 20:00 | 56.4            | 57.9            | 54.2            |
| 17-Mar-14 | 20:05 | 56.4            | 58.1            | 54.1            |
| 17-Mar-14 | 20:10 | 55.9            | 57.7            | 53.7            |
| 17-Mar-14 | 20:15 | 57.2            | 58.5            | 52.6            |
| 17-Mar-14 | 20:20 | 55.2            | 57.0            | 53.1            |
| 17-Mar-14 | 20:25 | 58.2            | 62.2            | 52.9            |
| 17-Mar-14 | 20:30 | 55.0            | 56.0            | 53.0            |
| 17-Mar-14 | 20:35 | 55.9            | 58.6            | 53.0            |
| 17-Mar-14 | 20:40 | 55.6            | 57.5            | 52.5            |
| 17-Mar-14 | 20:45 | 55.1            | 57.1            | 52.5            |
| 17-Mar-14 | 20:50 | 54.6            | 55.9            | 52.6            |
| 17-Mar-14 | 20:55 | 54.4            | 55.9            | 52.3            |
| 17-Mar-14 | 21:00 | 54.8            | 56.9            | 52.3            |
| 17-Mar-14 | 21:05 | 56.5            | 58.3            | 52.2            |
| 17-Mar-14 | 21:10 | 54.5            | 56.7            | 52.1            |
| 17-Mar-14 | 21:15 | 55.2            | 57.4            | 52.5            |
| 17-Mar-14 | 21:20 | 55.3            | 57.0            | 53.0            |
| 17-Mar-14 | 21:25 | 55.7            | 57.7            | 53.3            |
| 17-Mar-14 | 21:30 | 54.2            | 55.3            | 52.5            |
| 17-Mar-14 | 21:35 | 53.8            | 55.1            | 52.2            |
| 17-Mar-14 | 21:40 | 54.9            | 56.8            | 52.9            |
| 17-Mar-14 | 21:45 | 54.2            | 55.7            | 52.4            |
| 17-Mar-14 | 21:50 | 54.3            | 55.8            | 52.6            |
| 17-Mar-14 | 21:55 | 53.8            | 54.8            | 52.0            |
| 17-Mar-14 | 22:00 | 54.6            | 56.7            | 52.3            |
| 17-Mar-14 | 22:05 | 54.0            | 56.0            | 51.8            |
| 17-Mar-14 | 22:10 | 53.5            | 54.8            | 51.6            |
| 17-Mar-14 | 22:15 | 55.7            | 56.6            | 52.5            |
| 17-Mar-14 | 22:20 | 53.8            | 55.5            | 52.1            |
| 17-Mar-14 | 22:25 | 54.7            | 56.8            | 52.2            |
| 17-Mar-14 | 22:30 | 53.7            | 55.7            | 51.5            |
| 17-Mar-14 | 22:35 | 53.8            | 55.6            | 52.0            |
| 17-Mar-14 | 22:40 | 54.1            | 55.7            | 51.9            |
| 17-Mar-14 | 22:45 | 54.8            | 56.8            | 51.7            |
| 17-Mar-14 | 22:50 | 54.2            | 56.3            | 52.1            |
| 17-Mar-14 | 22:55 | 54.5            | 56.6            | 51.6            |
| Mean      |       | 55.7            | 57.3            | 53.0            |
| Maximum   |       | 59.0            | 62.2            | 55.2            |
| Minimum   |       | 53.5            | 54.8            | 51.5            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 18-Mar-14 | 19:00 | 57.3            | 59.0            | 55.0            |
| 18-Mar-14 | 19:05 | 56.6            | 58.2            | 54.2            |
| 18-Mar-14 | 19:10 | 56.9            | 58.6            | 54.1            |
| 18-Mar-14 | 19:15 | 57.9            | 59.9            | 55.4            |
| 18-Mar-14 | 19:20 | 57.7            | 59.7            | 55.3            |
| 18-Mar-14 | 19:25 | 56.2            | 57.7            | 54.2            |
| 18-Mar-14 | 19:30 | 56.5            | 57.9            | 54.7            |
| 18-Mar-14 | 19:35 | 56.8            | 58.8            | 54.4            |
| 18-Mar-14 | 19:40 | 56.8            | 58.8            | 54.3            |
| 18-Mar-14 | 19:45 | 55.9            | 57.4            | 54.1            |
| 18-Mar-14 | 19:50 | 55.9            | 57.5            | 53.7            |
| 18-Mar-14 | 19:55 | 57.0            | 59.8            | 53.4            |
| 18-Mar-14 | 20:00 | 55.7            | 57.6            | 52.6            |
| 18-Mar-14 | 20:05 | 56.5            | 58.1            | 53.7            |
| 18-Mar-14 | 20:10 | 55.6            | 57.6            | 53.2            |
| 18-Mar-14 | 20:15 | 55.8            | 58.3            | 53.0            |
| 18-Mar-14 | 20:20 | 56.4            | 58.4            | 53.5            |
| 18-Mar-14 | 20:25 | 55.7            | 57.5            | 53.1            |
| 18-Mar-14 | 20:30 | 55.4            | 57.3            | 53.1            |
| 18-Mar-14 | 20:35 | 53.9            | 55.4            | 52.3            |
| 18-Mar-14 | 20:40 | 54.4            | 55.9            | 52.5            |
| 18-Mar-14 | 20:45 | 53.9            | 55.3            | 52.2            |
| 18-Mar-14 | 20:50 | 56.1            | 58.2            | 53.3            |
| 18-Mar-14 | 20:55 | 55.7            | 57.1            | 53.0            |
| 18-Mar-14 | 21:00 | 55.3            | 57.0            | 52.7            |
| 18-Mar-14 | 21:05 | 55.7            | 57.8            | 52.9            |
| 18-Mar-14 | 21:10 | 54.5            | 56.1            | 52.5            |
| 18-Mar-14 | 21:15 | 55.3            | 57.1            | 53.1            |
| 18-Mar-14 | 21:20 | 55.5            | 56.9            | 53.1            |
| 18-Mar-14 | 21:25 | 54.7            | 56.4            | 52.9            |
| 18-Mar-14 | 21:30 | 55.7            | 57.6            | 52.6            |
| 18-Mar-14 | 21:35 | 54.6            | 56.9            | 52.1            |
| 18-Mar-14 | 21:40 | 55.0            | 57.5            | 52.3            |
| 18-Mar-14 | 21:45 | 54.5            | 56.5            | 51.7            |
| 18-Mar-14 | 21:50 | 53.2            | 54.6            | 51.7            |
| 18-Mar-14 | 21:55 | 52.9            | 54.3            | 51.2            |
| 18-Mar-14 | 22:00 | 54.8            | 56.8            | 51.5            |
| 18-Mar-14 | 22:05 | 53.9            | 55.6            | 51.6            |
| 18-Mar-14 | 22:10 | 54.6            | 56.3            | 52.1            |
| 18-Mar-14 | 22:15 | 53.1            | 54.6            | 51.3            |
| 18-Mar-14 | 22:20 | 53.0            | 54.2            | 51.6            |
| 18-Mar-14 | 22:25 | 52.8            | 54.1            | 51.1            |
| 18-Mar-14 | 22:30 | 54.8            | 57.3            | 52.1            |
| 18-Mar-14 | 22:35 | 53.0            | 54.5            | 51.1            |
| 18-Mar-14 | 22:40 | 53.7            | 55.2            | 51.8            |
| 18-Mar-14 | 22:45 | 52.5            | 53.6            | 51.2            |
| 18-Mar-14 | 22:50 | 53.1            | 54.7            | 51.0            |
| 18-Mar-14 | 22:55 | 54.9            | 57.3            | 51.3            |
| Mean      |       | 55.4            | 56.9            | 52.8            |
| Maximum   |       | 57.9            | 59.9            | 55.4            |
| Minimum   |       | 52.5            | 53.6            | 51.0            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 19-Mar-14 | 19:00 | 56.6            | 57.9            | 55.0            |
| 19-Mar-14 | 19:05 | 57.9            | 59.3            | 55.3            |
| 19-Mar-14 | 19:10 | 57.1            | 58.5            | 55.1            |
| 19-Mar-14 | 19:15 | 57.4            | 59.0            | 55.0            |
| 19-Mar-14 | 19:20 | 57.2            | 58.8            | 55.2            |
| 19-Mar-14 | 19:25 | 57.2            | 58.7            | 55.3            |
| 19-Mar-14 | 19:30 | 57.0            | 58.3            | 55.4            |
| 19-Mar-14 | 19:35 | 58.3            | 61.2            | 55.4            |
| 19-Mar-14 | 19:40 | 55.9            | 56.9            | 55.0            |
| 19-Mar-14 | 19:45 | 58.2            | 60.4            | 55.7            |
| 19-Mar-14 | 19:50 | 58.6            | 60.5            | 55.2            |
| 19-Mar-14 | 19:55 | 57.1            | 58.6            | 55.1            |
| 19-Mar-14 | 20:00 | 57.8            | 59.4            | 56.0            |
| 19-Mar-14 | 20:05 | 56.6            | 57.8            | 55.2            |
| 19-Mar-14 | 20:10 | 57.4            | 58.7            | 55.2            |
| 19-Mar-14 | 20:15 | 57.5            | 58.9            | 55.1            |
| 19-Mar-14 | 20:20 | 56.1            | 58.0            | 53.9            |
| 19-Mar-14 | 20:25 | 54.9            | 56.5            | 53.2            |
| 19-Mar-14 | 20:30 | 56.6            | 58.7            | 54.0            |
| 19-Mar-14 | 20:35 | 55.7            | 57.6            | 53.5            |
| 19-Mar-14 | 20:40 | 54.8            | 56.5            | 53.0            |
| 19-Mar-14 | 20:45 | 56.2            | 58.3            | 53.0            |
| 19-Mar-14 | 20:50 | 56.6            | 59.3            | 53.0            |
| 19-Mar-14 | 20:55 | 55.3            | 57.9            | 52.7            |
| 19-Mar-14 | 21:00 | 55.8            | 58.5            | 52.5            |
| 19-Mar-14 | 21:05 | 56.0            | 56.3            | 52.3            |
| 19-Mar-14 | 21:10 | 55.5            | 57.2            | 53.0            |
| 19-Mar-14 | 21:15 | 56.6            | 60.2            | 52.7            |
| 19-Mar-14 | 21:20 | 56.9            | 59.3            | 53.2            |
| 19-Mar-14 | 21:25 | 55.1            | 57.5            | 52.5            |
| 19-Mar-14 | 21:30 | 54.8            | 56.8            | 52.5            |
| 19-Mar-14 | 21:35 | 54.4            | 55.8            | 52.7            |
| 19-Mar-14 | 21:40 | 54.1            | 55.5            | 52.7            |
| 19-Mar-14 | 21:45 | 53.7            | 54.8            | 52.3            |
| 19-Mar-14 | 21:50 | 54.8            | 56.2            | 53.1            |
| 19-Mar-14 | 21:55 | 55.6            | 57.4            | 53.2            |
| 19-Mar-14 | 22:00 | 54.6            | 55.8            | 52.5            |
| 19-Mar-14 | 22:05 | 54.3            | 56.0            | 52.3            |
| 19-Mar-14 | 22:10 | 53.6            | 54.8            | 52.2            |
| 19-Mar-14 | 22:15 | 54.0            | 55.6            | 52.3            |
| 19-Mar-14 | 22:20 | 54.2            | 55.5            | 53.0            |
| 19-Mar-14 | 22:25 | 53.5            | 54.7            | 52.2            |
| 19-Mar-14 | 22:30 | 55.5            | 57.7            | 52.9            |
| 19-Mar-14 | 22:35 | 54.6            | 55.9            | 52.7            |
| 19-Mar-14 | 22:40 | 56.5            | 58.5            | 53.3            |
| 19-Mar-14 | 22:45 | 55.1            | 56.6            | 53.0            |
| 19-Mar-14 | 22:50 | 53.9            | 55.4            | 52.3            |
| 19-Mar-14 | 22:55 | 54.8            | 56.1            | 52.6            |
| Mean      |       | 56.1            | 57.6            | 53.6            |
| Maximum   |       | 58.6            | 61.2            | 56.0            |
| Minimum   |       | 53.5            | 54.7            | 52.2            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 20-Mar-14 | 19:00 | 57.5            | 58.7            | 55.2            |
| 20-Mar-14 | 19:05 | 57.2            | 58.9            | 55.2            |
| 20-Mar-14 | 19:10 | 57.5            | 60.1            | 54.3            |
| 20-Mar-14 | 19:15 | 57.2            | 59.3            | 54.6            |
| 20-Mar-14 | 19:20 | 56.6            | 58.5            | 54.1            |
| 20-Mar-14 | 19:25 | 56.0            | 57.6            | 54.0            |
| 20-Mar-14 | 19:30 | 56.1            | 58.0            | 54.2            |
| 20-Mar-14 | 19:35 | 56.9            | 58.8            | 54.1            |
| 20-Mar-14 | 19:40 | 55.7            | 57.0            | 53.7            |
| 20-Mar-14 | 19:45 | 54.9            | 56.5            | 53.1            |
| 20-Mar-14 | 19:50 | 55.3            | 57.7            | 52.5            |
| 20-Mar-14 | 19:55 | 55.3            | 57.0            | 53.0            |
| 20-Mar-14 | 20:00 | 54.7            | 56.3            | 52.5            |
| 20-Mar-14 | 20:05 | 54.7            | 56.4            | 52.8            |
| 20-Mar-14 | 20:10 | 55.1            | 57.1            | 52.8            |
| 20-Mar-14 | 20:15 | 55.0            | 57.4            | 52.2            |
| 20-Mar-14 | 20:20 | 56.7            | 58.6            | 52.4            |
| 20-Mar-14 | 20:25 | 56.0            | 58.8            | 52.8            |
| 20-Mar-14 | 20:30 | 54.5            | 56.3            | 52.3            |
| 20-Mar-14 | 20:35 | 55.4            | 57.6            | 52.5            |
| 20-Mar-14 | 20:40 | 53.9            | 55.3            | 51.7            |
| 20-Mar-14 | 20:45 | 54.6            | 56.5            | 52.5            |
| 20-Mar-14 | 20:50 | 54.7            | 56.7            | 52.5            |
| 20-Mar-14 | 20:55 | 54.7            | 56.8            | 52.2            |
| 20-Mar-14 | 21:00 | 54.6            | 57.0            | 52.2            |
| 20-Mar-14 | 21:05 | 53.9            | 55.6            | 52.1            |
| 20-Mar-14 | 21:10 | 55.2            | 56.9            | 52.0            |
| 20-Mar-14 | 21:15 | 59.4            | 60.8            | 52.1            |
| 20-Mar-14 | 21:20 | 54.1            | 55.4            | 51.9            |
| 20-Mar-14 | 21:25 | 53.0            | 54.5            | 51.4            |
| 20-Mar-14 | 21:30 | 53.7            | 55.3            | 52.0            |
| 20-Mar-14 | 21:35 | 53.2            | 54.6            | 51.5            |
| 20-Mar-14 | 21:40 | 54.7            | 56.5            | 52.2            |
| 20-Mar-14 | 21:45 | 54.4            | 56.3            | 51.5            |
| 20-Mar-14 | 21:50 | 52.8            | 54.0            | 51.3            |
| 20-Mar-14 | 21:55 | 54.6            | 55.8            | 51.3            |
| 20-Mar-14 | 22:00 | 53.0            | 54.4            | 51.3            |
| 20-Mar-14 | 22:05 | 53.3            | 54.5            | 51.4            |
| 20-Mar-14 | 22:10 | 54.2            | 54.9            | 51.4            |
| 20-Mar-14 | 22:15 | 54.9            | 56.4            | 52.0            |
| 20-Mar-14 | 22:20 | 53.9            | 55.8            | 51.6            |
| 20-Mar-14 | 22:25 | 53.7            | 55.2            | 52.1            |
| 20-Mar-14 | 22:30 | 53.0            | 54.4            | 51.5            |
| 20-Mar-14 | 22:35 | 53.0            | 54.3            | 51.3            |
| 20-Mar-14 | 22:40 | 53.3            | 54.7            | 51.5            |
| 20-Mar-14 | 22:45 | 53.3            | 54.9            | 51.4            |
| 20-Mar-14 | 22:50 | 53.0            | 54.5            | 51.4            |
| 20-Mar-14 | 22:55 | 53.0            | 54.6            | 50.7            |
| Mean      |       | 55.1            | 56.5            | 52.4            |
| Maximum   |       | 59.4            | 60.8            | 55.2            |
| Minimum   |       | 52.8            | 54.0            | 50.7            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 21-Mar-14 | 19:00 | 55.7            | 57.2            | 54.0            |
| 21-Mar-14 | 19:05 | 55.2            | 56.7            | 53.5            |
| 21-Mar-14 | 19:10 | 55.4            | 57.2            | 53.6            |
| 21-Mar-14 | 19:15 | 56.4            | 58.7            | 53.6            |
| 21-Mar-14 | 19:20 | 56.6            | 58.0            | 54.3            |
| 21-Mar-14 | 19:25 | 54.9            | 56.4            | 53.2            |
| 21-Mar-14 | 19:30 | 55.7            | 57.7            | 53.5            |
| 21-Mar-14 | 19:35 | 56.6            | 57.8            | 54.1            |
| 21-Mar-14 | 19:40 | 55.9            | 58.1            | 53.7            |
| 21-Mar-14 | 19:45 | 55.5            | 57.8            | 53.2            |
| 21-Mar-14 | 19:50 | 56.2            | 58.1            | 53.9            |
| 21-Mar-14 | 19:55 | 56.8            | 59.1            | 54.2            |
| 21-Mar-14 | 20:00 | 59.5            | 60.2            | 54.4            |
| 21-Mar-14 | 20:05 | 56.1            | 56.9            | 53.2            |
| 21-Mar-14 | 20:10 | 55.9            | 57.9            | 53.6            |
| 21-Mar-14 | 20:15 | 55.4            | 57.3            | 53.1            |
| 21-Mar-14 | 20:20 | 56.5            | 58.9            | 53.3            |
| 21-Mar-14 | 20:25 | 54.1            | 55.6            | 52.3            |
| 21-Mar-14 | 20:30 | 55.5            | 57.2            | 52.5            |
| 21-Mar-14 | 20:35 | 54.7            | 56.2            | 52.7            |
| 21-Mar-14 | 20:40 | 54.9            | 57.3            | 52.1            |
| 21-Mar-14 | 20:45 | 55.3            | 56.8            | 53.0            |
| 21-Mar-14 | 20:50 | 53.7            | 55.1            | 52.1            |
| 21-Mar-14 | 20:55 | 54.2            | 55.8            | 52.1            |
| 21-Mar-14 | 21:00 | 53.6            | 55.3            | 51.5            |
| 21-Mar-14 | 21:05 | 54.9            | 56.7            | 52.1            |
| 21-Mar-14 | 21:10 | 54.2            | 55.8            | 52.0            |
| 21-Mar-14 | 21:15 | 56.0            | 58.8            | 52.4            |
| 21-Mar-14 | 21:20 | 56.6            | 60.1            | 52.1            |
| 21-Mar-14 | 21:25 | 56.3            | 57.8            | 52.5            |
| 21-Mar-14 | 21:30 | 55.3            | 56.8            | 52.6            |
| 21-Mar-14 | 21:35 | 54.7            | 56.4            | 51.7            |
| 21-Mar-14 | 21:40 | 53.9            | 55.2            | 51.7            |
| 21-Mar-14 | 21:45 | 54.6            | 55.8            | 52.1            |
| 21-Mar-14 | 21:50 | 54.8            | 56.3            | 53.0            |
| 21-Mar-14 | 21:55 | 54.1            | 55.4            | 52.2            |
| 21-Mar-14 | 22:00 | 54.2            | 55.5            | 52.0            |
| 21-Mar-14 | 22:05 | 53.0            | 54.3            | 51.5            |
| 21-Mar-14 | 22:10 | 53.3            | 54.5            | 51.8            |
| 21-Mar-14 | 22:15 | 53.9            | 55.5            | 52.1            |
| 21-Mar-14 | 22:20 | 54.6            | 56.1            | 52.0            |
| 21-Mar-14 | 22:25 | 53.9            | 55.4            | 52.2            |
| 21-Mar-14 | 22:30 | 54.3            | 56.2            | 52.2            |
| 21-Mar-14 | 22:35 | 53.6            | 55.2            | 51.7            |
| 21-Mar-14 | 22:40 | 53.7            | 54.8            | 52.0            |
| 21-Mar-14 | 22:45 | 53.4            | 54.9            | 51.6            |
| 21-Mar-14 | 22:50 | 54.4            | 56.3            | 52.0            |
| 21-Mar-14 | 22:55 | 54.3            | 56.3            | 51.5            |
| Mean      |       | 55.2            | 56.7            | 52.7            |
| Maximum   |       | 59.5            | 60.2            | 54.4            |
| Minimum   |       | 53.0            | 54.3            | 51.5            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 22-Mar-14 | 19:00 | 58.1            | 60.1            | 54.9            |
| 22-Mar-14 | 19:05 | 58.5            | 61.4            | 54.4            |
| 22-Mar-14 | 19:10 | 56.6            | 58.2            | 54.3            |
| 22-Mar-14 | 19:15 | 58.0            | 60.4            | 54.6            |
| 22-Mar-14 | 19:20 | 57.1            | 59.0            | 54.2            |
| 22-Mar-14 | 19:25 | 55.4            | 56.9            | 53.4            |
| 22-Mar-14 | 19:30 | 57.5            | 60.3            | 53.9            |
| 22-Mar-14 | 19:35 | 56.1            | 58.5            | 53.6            |
| 22-Mar-14 | 19:40 | 56.1            | 58.2            | 53.2            |
| 22-Mar-14 | 19:45 | 56.5            | 59.0            | 53.6            |
| 22-Mar-14 | 19:50 | 55.8            | 57.5            | 53.4            |
| 22-Mar-14 | 19:55 | 56.3            | 58.2            | 54.1            |
| 22-Mar-14 | 20:00 | 56.4            | 58.9            | 53.3            |
| 22-Mar-14 | 20:05 | 56.5            | 59.0            | 53.4            |
| 22-Mar-14 | 20:10 | 56.1            | 57.9            | 53.2            |
| 22-Mar-14 | 20:15 | 56.3            | 57.9            | 54.2            |
| 22-Mar-14 | 20:20 | 56.4            | 58.6            | 53.2            |
| 22-Mar-14 | 20:25 | 55.4            | 57.4            | 53.0            |
| 22-Mar-14 | 20:30 | 55.6            | 57.0            | 53.0            |
| 22-Mar-14 | 20:35 | 55.7            | 57.6            | 52.7            |
| 22-Mar-14 | 20:40 | 54.8            | 56.5            | 52.7            |
| 22-Mar-14 | 20:45 | 54.7            | 56.2            | 52.6            |
| 22-Mar-14 | 20:50 | 54.6            | 56.3            | 52.6            |
| 22-Mar-14 | 20:55 | 55.7            | 58.6            | 52.5            |
| 22-Mar-14 | 21:00 | 54.5            | 55.6            | 52.4            |
| 22-Mar-14 | 21:05 | 54.1            | 55.7            | 52.3            |
| 22-Mar-14 | 21:10 | 55.8            | 56.8            | 52.2            |
| 22-Mar-14 | 21:15 | 55.3            | 57.2            | 52.6            |
| 22-Mar-14 | 21:20 | 54.3            | 56.4            | 52.1            |
| 22-Mar-14 | 21:25 | 54.6            | 56.1            | 52.9            |
| 22-Mar-14 | 21:30 | 55.4            | 57.2            | 53.0            |
| 22-Mar-14 | 21:35 | 54.4            | 56.4            | 52.1            |
| 22-Mar-14 | 21:40 | 53.9            | 55.2            | 52.2            |
| 22-Mar-14 | 21:45 | 55.3            | 57.5            | 52.5            |
| 22-Mar-14 | 21:50 | 54.3            | 55.9            | 52.6            |
| 22-Mar-14 | 21:55 | 55.6            | 57.5            | 53.1            |
| 22-Mar-14 | 22:00 | 55.1            | 57.4            | 52.5            |
| 22-Mar-14 | 22:05 | 53.4            | 54.7            | 52.1            |
| 22-Mar-14 | 22:10 | 54.1            | 55.6            | 52.5            |
| 22-Mar-14 | 22:15 | 55.3            | 57.6            | 52.5            |
| 22-Mar-14 | 22:20 | 54.3            | 56.0            | 52.3            |
| 22-Mar-14 | 22:25 | 55.2            | 56.6            | 52.6            |
| 22-Mar-14 | 22:30 | 55.7            | 57.9            | 52.7            |
| 22-Mar-14 | 22:35 | 54.0            | 55.7            | 51.8            |
| 22-Mar-14 | 22:40 | 53.3            | 54.7            | 52.0            |
| 22-Mar-14 | 22:45 | 54.0            | 55.5            | 52.0            |
| 22-Mar-14 | 22:50 | 55.2            | 57.3            | 52.7            |
| 22-Mar-14 | 22:55 | 54.4            | 55.8            | 51.9            |
| Mean      |       | 55.6            | 57.3            | 53.0            |
| Maximum   |       | 58.5            | 61.4            | 54.9            |
| Minimum   |       | 53.3            | 54.7            | 51.8            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 23-Mar-14 | 07:00 | 55.8            | 58.9            | 51.4            |
| 23-Mar-14 | 07:05 | 56.4            | 55.1            | 50.7            |
| 23-Mar-14 | 07:10 | 53.8            | 56.1            | 50.3            |
| 23-Mar-14 | 07:15 | 54.2            | 55.5            | 51.3            |
| 23-Mar-14 | 07:20 | 57.6            | 58.9            | 52.2            |
| 23-Mar-14 | 07:25 | 59.4            | 63.1            | 53.0            |
| 23-Mar-14 | 07:30 | 58.2            | 61.1            | 52.7            |
| 23-Mar-14 | 07:35 | 58.1            | 61.7            | 52.3            |
| 23-Mar-14 | 07:40 | 58.4            | 60.7            | 53.5            |
| 23-Mar-14 | 07:45 | 59.7            | 62.3            | 54.4            |
| 23-Mar-14 | 07:50 | 58.5            | 62.1            | 55.1            |
| 23-Mar-14 | 07:55 | 55.6            | 57.6            | 52.5            |
| 23-Mar-14 | 08:00 | 56.7            | 58.6            | 53.5            |
| 23-Mar-14 | 08:05 | 55.5            | 57.0            | 53.1            |
| 23-Mar-14 | 08:10 | 55.5            | 57.3            | 52.7            |
| 23-Mar-14 | 08:15 | 56.9            | 58.7            | 54.1            |
| 23-Mar-14 | 08:20 | 60.9            | 64.7            | 54.3            |
| 23-Mar-14 | 08:25 | 55.9            | 57.7            | 54.0            |
| 23-Mar-14 | 08:30 | 55.9            | 57.7            | 53.4            |
| 23-Mar-14 | 08:35 | 59.6            | 62.7            | 55.4            |
| 23-Mar-14 | 08:40 | 59.8            | 63.3            | 53.9            |
| 23-Mar-14 | 08:45 | 61.9            | 65.3            | 55.2            |
| 23-Mar-14 | 08:50 | 58.4            | 61.1            | 54.6            |
| 23-Mar-14 | 08:55 | 64.1            | 68.7            | 55.7            |
| 23-Mar-14 | 09:00 | 62.0            | 65.9            | 55.1            |
| 23-Mar-14 | 09:05 | 57.6            | 59.8            | 54.3            |
| 23-Mar-14 | 09:10 | 59.4            | 62.6            | 55.0            |
| 23-Mar-14 | 09:15 | 57.1            | 59.9            | 54.1            |
| 23-Mar-14 | 09:20 | 57.0            | 58.3            | 53.6            |
| 23-Mar-14 | 09:25 | 57.0            | 58.7            | 54.0            |
| 23-Mar-14 | 09:30 | 58.2            | 60.9            | 54.6            |
| 23-Mar-14 | 09:35 | 58.7            | 61.7            | 54.2            |
| 23-Mar-14 | 09:40 | 58.4            | 60.6            | 55.1            |
| 23-Mar-14 | 09:45 | 57.5            | 60.1            | 54.7            |
| 23-Mar-14 | 09:50 | 57.6            | 58.6            | 54.4            |
| 23-Mar-14 | 09:55 | 57.8            | 59.1            | 54.1            |
| 23-Mar-14 | 10:00 | 57.4            | 59.1            | 54.7            |
| 23-Mar-14 | 10:05 | 59.5            | 62.6            | 55.7            |
| 23-Mar-14 | 10:10 | 58.7            | 60.5            | 55.5            |
| 23-Mar-14 | 10:15 | 57.7            | 59.7            | 55.2            |
| 23-Mar-14 | 10:20 | 57.8            | 59.4            | 55.1            |
| 23-Mar-14 | 10:25 | 57.2            | 59.4            | 54.4            |
| 23-Mar-14 | 10:30 | 57.8            | 60.1            | 55.0            |
| 23-Mar-14 | 10:35 | 58.3            | 60.6            | 55.4            |
| 23-Mar-14 | 10:40 | 59.4            | 62.4            | 55.4            |
| 23-Mar-14 | 10:45 | 60.2            | 62.5            | 56.6            |
| 23-Mar-14 | 10:50 | 58.0            | 59.9            | 55.1            |
| 23-Mar-14 | 10:55 | 57.9            | 60.3            | 54.5            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 23-Mar-14 | 11:00 | 57.6            | 59.7            | 55.0            |
| 23-Mar-14 | 11:05 | 58.2            | 60.2            | 55.2            |
| 23-Mar-14 | 11:10 | 57.1            | 57.6            | 54.0            |
| 23-Mar-14 | 11:15 | 57.1            | 59.0            | 54.5            |
| 23-Mar-14 | 11:20 | 57.7            | 59.5            | 54.6            |
| 23-Mar-14 | 11:25 | 57.9            | 59.9            | 54.6            |
| 23-Mar-14 | 11:30 | 56.9            | 58.8            | 54.5            |
| 23-Mar-14 | 11:35 | 56.5            | 57.9            | 54.4            |
| 23-Mar-14 | 11:40 | 56.1            | 57.6            | 54.2            |
| 23-Mar-14 | 11:45 | 56.5            | 58.2            | 54.4            |
| 23-Mar-14 | 11:50 | 56.8            | 58.7            | 54.3            |
| 23-Mar-14 | 11:55 | 58.1            | 60.7            | 54.6            |
| 23-Mar-14 | 12:00 | 57.7            | 59.9            | 55.0            |
| 23-Mar-14 | 12:05 | 57.3            | 59.8            | 54.0            |
| 23-Mar-14 | 12:10 | 57.1            | 59.3            | 54.4            |
| 23-Mar-14 | 12:15 | 56.6            | 58.4            | 54.2            |
| 23-Mar-14 | 12:20 | 58.0            | 60.7            | 54.1            |
| 23-Mar-14 | 12:25 | 56.8            | 59.1            | 53.8            |
| 23-Mar-14 | 12:30 | 56.5            | 57.9            | 54.2            |
| 23-Mar-14 | 12:35 | 56.3            | 58.5            | 53.7            |
| 23-Mar-14 | 12:40 | 57.0            | 59.2            | 54.1            |
| 23-Mar-14 | 12:45 | 57.0            | 59.4            | 54.0            |
| 23-Mar-14 | 12:50 | 56.8            | 59.0            | 54.1            |
| 23-Mar-14 | 12:55 | 57.9            | 60.5            | 54.4            |
| 23-Mar-14 | 13:00 | 56.6            | 58.6            | 54.1            |
| 23-Mar-14 | 13:05 | 58.1            | 58.3            | 54.1            |
| 23-Mar-14 | 13:10 | 56.3            | 57.6            | 53.6            |
| 23-Mar-14 | 13:15 | 57.0            | 58.9            | 54.4            |
| 23-Mar-14 | 13:20 | 57.4            | 59.0            | 54.8            |
| 23-Mar-14 | 13:25 | 57.2            | 59.2            | 55.0            |
| 23-Mar-14 | 13:30 | 57.9            | 59.9            | 55.4            |
| 23-Mar-14 | 13:35 | 57.2            | 58.9            | 54.7            |
| 23-Mar-14 | 13:40 | 56.3            | 58.1            | 54.2            |
| 23-Mar-14 | 13:45 | 56.4            | 58.5            | 54.2            |
| 23-Mar-14 | 13:50 | 55.9            | 57.5            | 54.1            |
| 23-Mar-14 | 13:55 | 56.8            | 58.6            | 54.7            |
| 23-Mar-14 | 14:00 | 57.5            | 59.5            | 55.0            |
| 23-Mar-14 | 14:05 | 57.6            | 59.4            | 55.4            |
| 23-Mar-14 | 14:10 | 57.7            | 59.3            | 54.6            |
| 23-Mar-14 | 14:15 | 56.5            | 58.1            | 54.3            |
| 23-Mar-14 | 14:20 | 57.0            | 58.7            | 55.1            |
| 23-Mar-14 | 14:25 | 57.0            | 58.8            | 54.9            |
| 23-Mar-14 | 14:30 | 57.6            | 59.6            | 54.8            |
| 23-Mar-14 | 14:35 | 56.9            | 58.7            | 54.5            |
| 23-Mar-14 | 14:40 | 57.4            | 59.1            | 54.8            |
| 23-Mar-14 | 14:45 | 57.0            | 58.9            | 54.8            |
| 23-Mar-14 | 14:50 | 57.7            | 59.7            | 54.6            |
| 23-Mar-14 | 14:55 | 56.7            | 58.6            | 54.0            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 23-Mar-14 | 15:00 | 57.9            | 60.0            | 54.3            |
| 23-Mar-14 | 15:05 | 57.0            | 59.4            | 54.1            |
| 23-Mar-14 | 15:10 | 57.4            | 59.6            | 54.3            |
| 23-Mar-14 | 15:15 | 56.9            | 59.0            | 54.1            |
| 23-Mar-14 | 15:20 | 55.9            | 57.8            | 53.7            |
| 23-Mar-14 | 15:25 | 56.1            | 57.8            | 54.0            |
| 23-Mar-14 | 15:30 | 57.2            | 59.5            | 54.5            |
| 23-Mar-14 | 15:35 | 57.6            | 60.2            | 54.1            |
| 23-Mar-14 | 15:40 | 57.2            | 60.0            | 54.1            |
| 23-Mar-14 | 15:45 | 56.8            | 59.0            | 53.9            |
| 23-Mar-14 | 15:50 | 57.2            | 58.7            | 53.9            |
| 23-Mar-14 | 15:55 | 56.0            | 57.8            | 53.6            |
| 23-Mar-14 | 16:00 | 56.4            | 58.3            | 53.6            |
| 23-Mar-14 | 16:05 | 56.2            | 57.7            | 54.2            |
| 23-Mar-14 | 16:10 | 56.4            | 57.8            | 54.6            |
| 23-Mar-14 | 16:15 | 58.5            | 61.2            | 55.2            |
| 23-Mar-14 | 16:20 | 57.5            | 59.1            | 54.4            |
| 23-Mar-14 | 16:25 | 56.4            | 58.5            | 54.2            |
| 23-Mar-14 | 16:30 | 57.3            | 60.0            | 54.4            |
| 23-Mar-14 | 16:35 | 56.2            | 58.2            | 53.7            |
| 23-Mar-14 | 16:40 | 57.1            | 59.1            | 53.7            |
| 23-Mar-14 | 16:45 | 56.9            | 58.9            | 54.3            |
| 23-Mar-14 | 16:50 | 55.8            | 57.5            | 53.9            |
| 23-Mar-14 | 16:55 | 56.7            | 58.6            | 54.1            |
| 23-Mar-14 | 17:00 | 56.7            | 58.6            | 54.3            |
| 23-Mar-14 | 17:05 | 57.9            | 60.1            | 54.7            |
| 23-Mar-14 | 17:10 | 57.4            | 59.7            | 54.3            |
| 23-Mar-14 | 17:15 | 57.7            | 59.9            | 55.1            |
| 23-Mar-14 | 17:20 | 56.4            | 58.1            | 54.4            |
| 23-Mar-14 | 17:25 | 55.8            | 57.1            | 54.1            |
| 23-Mar-14 | 17:30 | 56.8            | 59.0            | 54.2            |
| 23-Mar-14 | 17:35 | 56.5            | 57.8            | 54.1            |
| 23-Mar-14 | 17:40 | 56.9            | 58.6            | 54.1            |
| 23-Mar-14 | 17:45 | 57.1            | 59.4            | 54.2            |
| 23-Mar-14 | 17:50 | 56.4            | 58.2            | 54.1            |
| 23-Mar-14 | 17:55 | 56.0            | 57.8            | 54.1            |
| 23-Mar-14 | 18:00 | 55.5            | 56.7            | 53.5            |
| 23-Mar-14 | 18:05 | 56.9            | 58.7            | 54.1            |
| 23-Mar-14 | 18:10 | 55.5            | 56.8            | 53.6            |
| 23-Mar-14 | 18:15 | 56.0            | 57.9            | 53.2            |
| 23-Mar-14 | 18:20 | 57.1            | 59.5            | 53.8            |
| 23-Mar-14 | 18:25 | 56.4            | 58.7            | 53.7            |
| 23-Mar-14 | 18:30 | 55.8            | 57.6            | 53.3            |
| 23-Mar-14 | 18:35 | 56.0            | 58.1            | 53.7            |
| 23-Mar-14 | 18:40 | 54.9            | 55.9            | 53.2            |
| 23-Mar-14 | 18:45 | 55.8            | 57.7            | 53.5            |
| 23-Mar-14 | 18:50 | 54.6            | 55.8            | 53.2            |
| 23-Mar-14 | 18:55 | 57.5            | 59.3            | 53.9            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 23-Mar-14 | 19:00 | 56.4            | 58.3            | 53.1            |
| 23-Mar-14 | 19:05 | 54.7            | 56.2            | 52.7            |
| 23-Mar-14 | 19:10 | 54.6            | 56.2            | 52.8            |
| 23-Mar-14 | 19:15 | 55.0            | 56.7            | 53.1            |
| 23-Mar-14 | 19:20 | 54.7            | 56.2            | 52.8            |
| 23-Mar-14 | 19:25 | 54.3            | 56.1            | 52.2            |
| 23-Mar-14 | 19:30 | 54.8            | 56.3            | 52.5            |
| 23-Mar-14 | 19:35 | 55.2            | 57.2            | 52.5            |
| 23-Mar-14 | 19:40 | 54.8            | 56.6            | 52.5            |
| 23-Mar-14 | 19:45 | 54.0            | 55.7            | 52.1            |
| 23-Mar-14 | 19:50 | 54.3            | 56.1            | 52.1            |
| 23-Mar-14 | 19:55 | 56.0            | 58.4            | 52.7            |
| 23-Mar-14 | 20:00 | 56.9            | 59.5            | 53.7            |
| 23-Mar-14 | 20:05 | 55.0            | 56.7            | 52.5            |
| 23-Mar-14 | 20:10 | 54.2            | 55.8            | 52.3            |
| 23-Mar-14 | 20:15 | 55.0            | 57.0            | 52.1            |
| 23-Mar-14 | 20:20 | 54.6            | 55.9            | 52.3            |
| 23-Mar-14 | 20:25 | 54.2            | 56.2            | 52.2            |
| 23-Mar-14 | 20:30 | 54.1            | 55.1            | 52.1            |
| 23-Mar-14 | 20:35 | 54.1            | 55.6            | 52.3            |
| 23-Mar-14 | 20:40 | 55.2            | 57.6            | 52.7            |
| 23-Mar-14 | 20:45 | 55.2            | 57.4            | 52.5            |
| 23-Mar-14 | 20:50 | 54.6            | 56.0            | 52.9            |
| 23-Mar-14 | 20:55 | 55.0            | 56.7            | 52.8            |
| 23-Mar-14 | 21:00 | 56.0            | 58.5            | 52.6            |
| 23-Mar-14 | 21:05 | 53.8            | 55.5            | 51.9            |
| 23-Mar-14 | 21:10 | 54.1            | 55.6            | 52.3            |
| 23-Mar-14 | 21:15 | 55.4            | 57.6            | 52.2            |
| 23-Mar-14 | 21:20 | 54.6            | 55.9            | 52.7            |
| 23-Mar-14 | 21:25 | 54.9            | 56.8            | 53.0            |
| 23-Mar-14 | 21:30 | 55.0            | 56.6            | 52.8            |
| 23-Mar-14 | 21:35 | 54.5            | 56.3            | 52.5            |
| 23-Mar-14 | 21:40 | 53.8            | 54.9            | 52.1            |
| 23-Mar-14 | 21:45 | 56.3            | 59.1            | 52.9            |
| 23-Mar-14 | 21:50 | 57.0            | 59.2            | 52.4            |
| 23-Mar-14 | 21:55 | 54.8            | 56.8            | 52.7            |
| 23-Mar-14 | 22:00 | 55.1            | 57.5            | 52.1            |
| 23-Mar-14 | 22:05 | 53.9            | 55.0            | 52.0            |
| 23-Mar-14 | 22:10 | 55.0            | 56.5            | 52.3            |
| 23-Mar-14 | 22:15 | 55.4            | 57.8            | 52.3            |
| 23-Mar-14 | 22:20 | 54.6            | 56.4            | 52.7            |
| 23-Mar-14 | 22:25 | 54.4            | 55.9            | 52.7            |
| 23-Mar-14 | 22:30 | 55.3            | 57.2            | 53.0            |
| 23-Mar-14 | 22:35 | 54.8            | 57.4            | 52.1            |
| 23-Mar-14 | 22:40 | 53.7            | 55.3            | 51.9            |
| 23-Mar-14 | 22:45 | 53.8            | 55.1            | 51.8            |
| 23-Mar-14 | 22:50 | 53.2            | 54.8            | 51.3            |
| 23-Mar-14 | 22:55 | 53.3            | 54.5            | 51.3            |
| Mean      | 57.0  | 58.6            | 53.7            |                 |
| Maximum   | 64.1  | 68.7            | 56.6            |                 |
| Minimum   | 53.2  | 54.5            | 50.3            |                 |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 24-Mar-14 | 19:00 | 57.3            | 59.4            | 54.8            |
| 24-Mar-14 | 19:05 | 56.5            | 58.3            | 54.4            |
| 24-Mar-14 | 19:10 | 58.7            | 61.8            | 54.6            |
| 24-Mar-14 | 19:15 | 57.3            | 59.3            | 54.2            |
| 24-Mar-14 | 19:20 | 55.9            | 57.6            | 54.1            |
| 24-Mar-14 | 19:25 | 57.7            | 60.5            | 54.6            |
| 24-Mar-14 | 19:30 | 57.1            | 59.0            | 54.1            |
| 24-Mar-14 | 19:35 | 55.8            | 57.7            | 53.4            |
| 24-Mar-14 | 19:40 | 55.9            | 57.7            | 53.6            |
| 24-Mar-14 | 19:45 | 56.6            | 58.7            | 54.1            |
| 24-Mar-14 | 19:50 | 55.7            | 57.4            | 53.5            |
| 24-Mar-14 | 19:55 | 57.2            | 60.3            | 53.8            |
| 24-Mar-14 | 20:00 | 55.3            | 57.3            | 52.8            |
| 24-Mar-14 | 20:05 | 55.8            | 57.9            | 53.2            |
| 24-Mar-14 | 20:10 | 54.9            | 56.8            | 52.5            |
| 24-Mar-14 | 20:15 | 56.4            | 58.9            | 53.1            |
| 24-Mar-14 | 20:20 | 55.0            | 57.3            | 52.3            |
| 24-Mar-14 | 20:25 | 55.7            | 57.2            | 52.6            |
| 24-Mar-14 | 20:30 | 54.6            | 56.6            | 52.2            |
| 24-Mar-14 | 20:35 | 55.3            | 58.0            | 52.3            |
| 24-Mar-14 | 20:40 | 56.0            | 59.0            | 52.2            |
| 24-Mar-14 | 20:45 | 54.7            | 56.6            | 52.2            |
| 24-Mar-14 | 20:50 | 54.0            | 55.7            | 52.1            |
| 24-Mar-14 | 20:55 | 55.3            | 58.1            | 52.1            |
| 24-Mar-14 | 21:00 | 54.6            | 56.4            | 52.1            |
| 24-Mar-14 | 21:05 | 54.4            | 56.4            | 51.4            |
| 24-Mar-14 | 21:10 | 53.4            | 55.1            | 51.5            |
| 24-Mar-14 | 21:15 | 54.7            | 56.9            | 51.8            |
| 24-Mar-14 | 21:20 | 54.3            | 55.8            | 52.0            |
| 24-Mar-14 | 21:25 | 54.3            | 56.2            | 51.9            |
| 24-Mar-14 | 21:30 | 56.1            | 58.5            | 52.1            |
| 24-Mar-14 | 21:35 | 54.9            | 57.3            | 52.2            |
| 24-Mar-14 | 21:40 | 53.2            | 55.0            | 51.3            |
| 24-Mar-14 | 21:45 | 53.7            | 55.4            | 51.4            |
| 24-Mar-14 | 21:50 | 54.0            | 56.1            | 51.4            |
| 24-Mar-14 | 21:55 | 53.7            | 55.7            | 51.1            |
| 24-Mar-14 | 22:00 | 53.0            | 54.7            | 51.1            |
| 24-Mar-14 | 22:05 | 53.3            | 54.9            | 51.2            |
| 24-Mar-14 | 22:10 | 54.1            | 55.8            | 51.3            |
| 24-Mar-14 | 22:15 | 54.5            | 56.8            | 51.7            |
| 24-Mar-14 | 22:20 | 53.8            | 55.7            | 51.6            |
| 24-Mar-14 | 22:25 | 54.5            | 56.8            | 51.3            |
| 24-Mar-14 | 22:30 | 53.8            | 56.0            | 51.3            |
| 24-Mar-14 | 22:35 | 53.5            | 55.4            | 51.1            |
| 24-Mar-14 | 22:40 | 54.4            | 55.4            | 50.8            |
| 24-Mar-14 | 22:45 | 53.3            | 55.2            | 50.7            |
| 24-Mar-14 | 22:50 | 53.7            | 55.9            | 50.5            |
| 24-Mar-14 | 22:55 | 53.3            | 55.8            | 50.4            |
| Mean      | 55.2  | 57.1            | 52.3            |                 |
| Maximum   | 58.7  | 61.8            | 54.8            |                 |
| Minimum   | 53.0  | 54.7            | 50.4            |                 |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 25-Mar-14 | 19:00 | 57.6            | 59.0            | 55.6            |
| 25-Mar-14 | 19:05 | 58.6            | 60.9            | 55.4            |
| 25-Mar-14 | 19:10 | 57.3            | 59.0            | 55.2            |
| 25-Mar-14 | 19:15 | 59.0            | 61.5            | 55.4            |
| 25-Mar-14 | 19:20 | 56.7            | 58.4            | 55.0            |
| 25-Mar-14 | 19:25 | 56.2            | 57.3            | 54.5            |
| 25-Mar-14 | 19:30 | 57.7            | 59.7            | 55.1            |
| 25-Mar-14 | 19:35 | 56.3            | 57.9            | 54.3            |
| 25-Mar-14 | 19:40 | 57.2            | 59.2            | 54.6            |
| 25-Mar-14 | 19:45 | 56.6            | 58.0            | 55.0            |
| 25-Mar-14 | 19:50 | 58.2            | 60.8            | 54.4            |
| 25-Mar-14 | 19:55 | 56.6            | 57.9            | 54.5            |
| 25-Mar-14 | 20:00 | 57.1            | 59.1            | 54.6            |
| 25-Mar-14 | 20:05 | 56.1            | 57.8            | 54.2            |
| 25-Mar-14 | 20:10 | 55.7            | 57.3            | 53.7            |
| 25-Mar-14 | 20:15 | 55.4            | 56.9            | 53.5            |
| 25-Mar-14 | 20:20 | 57.0            | 59.4            | 54.2            |
| 25-Mar-14 | 20:25 | 56.1            | 58.4            | 53.5            |
| 25-Mar-14 | 20:30 | 55.3            | 56.9            | 53.0            |
| 25-Mar-14 | 20:35 | 55.5            | 57.8            | 53.2            |
| 25-Mar-14 | 20:40 | 55.9            | 57.5            | 53.6            |
| 25-Mar-14 | 20:45 | 54.4            | 56.0            | 52.7            |
| 25-Mar-14 | 20:50 | 55.9            | 58.8            | 52.7            |
| 25-Mar-14 | 20:55 | 55.8            | 57.5            | 53.7            |
| 25-Mar-14 | 21:00 | 55.9            | 57.9            | 53.6            |
| 25-Mar-14 | 21:05 | 55.2            | 56.0            | 53.4            |
| 25-Mar-14 | 21:10 | 54.8            | 56.2            | 53.2            |
| 25-Mar-14 | 21:15 | 56.1            | 58.0            | 53.7            |
| 25-Mar-14 | 21:20 | 54.9            | 56.3            | 53.2            |
| 25-Mar-14 | 21:25 | 55.0            | 56.5            | 53.3            |
| 25-Mar-14 | 21:30 | 55.8            | 58.1            | 53.3            |
| 25-Mar-14 | 21:35 | 55.4            | 57.2            | 52.5            |
| 25-Mar-14 | 21:40 | 56.3            | 59.5            | 52.5            |
| 25-Mar-14 | 21:45 | 55.1            | 56.9            | 52.4            |
| 25-Mar-14 | 21:50 | 54.3            | 56.4            | 51.8            |
| 25-Mar-14 | 21:55 | 54.3            | 56.1            | 51.5            |
| 25-Mar-14 | 22:00 | 54.3            | 55.8            | 52.2            |
| 25-Mar-14 | 22:05 | 54.2            | 56.2            | 51.8            |
| 25-Mar-14 | 22:10 | 53.7            | 55.4            | 51.5            |
| 25-Mar-14 | 22:15 | 53.4            | 55.0            | 51.4            |
| 25-Mar-14 | 22:20 | 53.0            | 54.5            | 51.1            |
| 25-Mar-14 | 22:25 | 53.4            | 55.1            | 51.6            |
| 25-Mar-14 | 22:30 | 53.7            | 55.9            | 51.2            |
| 25-Mar-14 | 22:35 | 53.9            | 55.9            | 51.3            |
| 25-Mar-14 | 22:40 | 53.6            | 55.6            | 51.2            |
| 25-Mar-14 | 22:45 | 52.7            | 54.0            | 51.2            |
| 25-Mar-14 | 22:50 | 53.4            | 55.4            | 50.6            |
| 25-Mar-14 | 22:55 | 52.6            | 54.2            | 50.6            |
| Mean      |       | 55.8            | 57.3            | 53.2            |
| Maximum   |       | 59.0            | 61.5            | 55.6            |
| Minimum   |       | 52.6            | 54.0            | 50.6            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 26-Mar-14 | 19:00 | 58.0            | 59.4            | 55.6            |
| 26-Mar-14 | 19:05 | 57.6            | 59.1            | 55.6            |
| 26-Mar-14 | 19:10 | 57.9            | 59.7            | 55.2            |
| 26-Mar-14 | 19:15 | 56.6            | 57.8            | 55.2            |
| 26-Mar-14 | 19:20 | 57.6            | 60.1            | 55.2            |
| 26-Mar-14 | 19:25 | 56.9            | 58.5            | 55.2            |
| 26-Mar-14 | 19:30 | 57.3            | 58.9            | 55.6            |
| 26-Mar-14 | 19:35 | 57.5            | 59.5            | 55.2            |
| 26-Mar-14 | 19:40 | 57.6            | 60.0            | 55.1            |
| 26-Mar-14 | 19:45 | 56.4            | 57.8            | 55.0            |
| 26-Mar-14 | 19:50 | 56.3            | 57.8            | 54.5            |
| 26-Mar-14 | 19:55 | 56.8            | 58.6            | 54.4            |
| 26-Mar-14 | 20:00 | 56.3            | 57.6            | 53.5            |
| 26-Mar-14 | 20:05 | 54.9            | 56.5            | 52.8            |
| 26-Mar-14 | 20:10 | 59.5            | 61.3            | 55.9            |
| 26-Mar-14 | 20:15 | 56.9            | 59.0            | 54.1            |
| 26-Mar-14 | 20:20 | 55.6            | 57.1            | 53.4            |
| 26-Mar-14 | 20:25 | 56.0            | 57.9            | 53.0            |
| 26-Mar-14 | 20:30 | 55.4            | 56.9            | 53.2            |
| 26-Mar-14 | 20:35 | 55.8            | 58.0            | 53.0            |
| 26-Mar-14 | 20:40 | 54.9            | 57.1            | 52.5            |
| 26-Mar-14 | 20:45 | 55.2            | 57.4            | 52.6            |
| 26-Mar-14 | 20:50 | 54.4            | 56.0            | 52.5            |
| 26-Mar-14 | 20:55 | 55.8            | 57.8            | 53.1            |
| 26-Mar-14 | 21:00 | 55.9            | 57.5            | 54.1            |
| 26-Mar-14 | 21:05 | 57.3            | 59.3            | 54.5            |
| 26-Mar-14 | 21:10 | 55.6            | 57.2            | 53.6            |
| 26-Mar-14 | 21:15 | 55.9            | 57.8            | 53.9            |
| 26-Mar-14 | 21:20 | 56.1            | 58.4            | 53.4            |
| 26-Mar-14 | 21:25 | 55.6            | 57.6            | 53.4            |
| 26-Mar-14 | 21:30 | 56.4            | 58.1            | 54.5            |
| 26-Mar-14 | 21:35 | 55.4            | 57.1            | 53.3            |
| 26-Mar-14 | 21:40 | 54.9            | 56.7            | 52.8            |
| 26-Mar-14 | 21:45 | 55.7            | 57.1            | 53.3            |
| 26-Mar-14 | 21:50 | 55.8            | 56.9            | 53.2            |
| 26-Mar-14 | 21:55 | 56.3            | 58.5            | 53.7            |
| 26-Mar-14 | 22:00 | 54.0            | 55.3            | 52.4            |
| 26-Mar-14 | 22:05 | 57.4            | 56.6            | 52.5            |
| 26-Mar-14 | 22:10 | 54.6            | 56.4            | 52.5            |
| 26-Mar-14 | 22:15 | 55.0            | 55.0            | 52.1            |
| 26-Mar-14 | 22:20 | 54.5            | 56.3            | 52.5            |
| 26-Mar-14 | 22:25 | 54.9            | 56.5            | 52.9            |
| 26-Mar-14 | 22:30 | 54.8            | 57.1            | 52.4            |
| 26-Mar-14 | 22:35 | 53.7            | 55.3            | 52.0            |
| 26-Mar-14 | 22:40 | 55.6            | 56.8            | 52.0            |
| 26-Mar-14 | 22:45 | 53.1            | 54.5            | 51.6            |
| 26-Mar-14 | 22:50 | 53.7            | 54.9            | 52.0            |
| 26-Mar-14 | 22:55 | 54.6            | 56.5            | 52.1            |
| Mean      |       | 56.1            | 57.6            | 53.6            |
| Maximum   |       | 59.5            | 61.3            | 55.9            |
| Minimum   |       | 53.1            | 54.5            | 51.6            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 27-Mar-14 | 19:00 | 57.1            | 57.9            | 54.5            |
| 27-Mar-14 | 19:05 | 58.2            | 60.7            | 54.8            |
| 27-Mar-14 | 19:10 | 56.6            | 58.3            | 54.0            |
| 27-Mar-14 | 19:15 | 56.1            | 57.8            | 54.0            |
| 27-Mar-14 | 19:20 | 56.3            | 58.5            | 53.6            |
| 27-Mar-14 | 19:25 | 57.0            | 59.6            | 54.0            |
| 27-Mar-14 | 19:30 | 55.6            | 56.7            | 53.4            |
| 27-Mar-14 | 19:35 | 56.2            | 58.2            | 53.5            |
| 27-Mar-14 | 19:40 | 57.1            | 59.5            | 54.3            |
| 27-Mar-14 | 19:45 | 56.5            | 58.7            | 53.7            |
| 27-Mar-14 | 19:50 | 55.2            | 56.7            | 53.3            |
| 27-Mar-14 | 19:55 | 56.7            | 58.8            | 53.6            |
| 27-Mar-14 | 20:00 | 55.8            | 57.7            | 53.5            |
| 27-Mar-14 | 20:05 | 55.0            | 56.5            | 53.1            |
| 27-Mar-14 | 20:10 | 54.9            | 56.3            | 53.2            |
| 27-Mar-14 | 20:15 | 55.2            | 57.5            | 52.3            |
| 27-Mar-14 | 20:20 | 54.7            | 56.6            | 52.6            |
| 27-Mar-14 | 20:25 | 55.1            | 56.6            | 53.1            |
| 27-Mar-14 | 20:30 | 55.5            | 57.3            | 52.6            |
| 27-Mar-14 | 20:35 | 54.8            | 56.6            | 52.4            |
| 27-Mar-14 | 20:40 | 55.3            | 57.5            | 52.4            |
| 27-Mar-14 | 20:45 | 53.9            | 55.6            | 52.1            |
| 27-Mar-14 | 20:50 | 54.4            | 55.9            | 52.2            |
| 27-Mar-14 | 20:55 | 56.0            | 58.3            | 52.7            |
| 27-Mar-14 | 21:00 | 55.9            | 57.8            | 52.2            |
| 27-Mar-14 | 21:05 | 53.6            | 55.1            | 51.7            |
| 27-Mar-14 | 21:10 | 54.1            | 55.9            | 52.0            |
| 27-Mar-14 | 21:15 | 54.6            | 56.3            | 52.1            |
| 27-Mar-14 | 21:20 | 53.7            | 55.4            | 51.7            |
| 27-Mar-14 | 21:25 | 53.7            | 55.4            | 51.7            |
| 27-Mar-14 | 21:30 | 54.8            | 56.8            | 52.3            |
| 27-Mar-14 | 21:35 | 54.4            | 55.9            | 52.3            |
| 27-Mar-14 | 21:40 | 53.8            | 55.4            | 52.1            |
| 27-Mar-14 | 21:45 | 54.2            | 56.1            | 52.0            |
| 27-Mar-14 | 21:50 | 55.1            | 57.4            | 52.2            |
| 27-Mar-14 | 21:55 | 53.9            | 55.4            | 52.1            |
| 27-Mar-14 | 22:00 | 54.6            | 56.4            | 52.4            |
| 27-Mar-14 | 22:05 | 55.3            | 57.2            | 52.2            |
| 27-Mar-14 | 22:10 | 56.2            | 57.6            | 52.1            |
| 27-Mar-14 | 22:15 | 54.2            | 55.8            | 52.2            |
| 27-Mar-14 | 22:20 | 53.9            | 55.5            | 51.6            |
| 27-Mar-14 | 22:25 | 54.1            | 55.7            | 52.0            |
| 27-Mar-14 | 22:30 | 53.8            | 55.6            | 51.6            |
| 27-Mar-14 | 22:35 | 53.2            | 54.7            | 51.4            |
| 27-Mar-14 | 22:40 | 53.2            | 54.6            | 51.1            |
| 27-Mar-14 | 22:45 | 53.2            | 54.7            | 51.0            |
| 27-Mar-14 | 22:50 | 52.7            | 54.2            | 51.0            |
| 27-Mar-14 | 22:55 | 54.3            | 56.5            | 51.5            |
| Mean      |       | 55.2            | 56.8            | 52.6            |
| Maximum   |       | 58.2            | 60.7            | 54.8            |
| Minimum   |       | 52.7            | 54.2            | 51.0            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 28-Mar-14 | 19:00 | 56.0            | 57.6            | 54.1            |
| 28-Mar-14 | 19:05 | 56.3            | 58.1            | 54.0            |
| 28-Mar-14 | 19:10 | 56.3            | 58.5            | 53.8            |
| 28-Mar-14 | 19:15 | 57.3            | 59.3            | 54.4            |
| 28-Mar-14 | 19:20 | 55.4            | 57.2            | 53.5            |
| 28-Mar-14 | 19:25 | 57.0            | 59.2            | 54.2            |
| 28-Mar-14 | 19:30 | 55.5            | 56.9            | 53.4            |
| 28-Mar-14 | 19:35 | 56.6            | 58.7            | 54.1            |
| 28-Mar-14 | 19:40 | 55.4            | 57.0            | 53.4            |
| 28-Mar-14 | 19:45 | 55.4            | 57.6            | 53.2            |
| 28-Mar-14 | 19:50 | 55.5            | 57.3            | 53.4            |
| 28-Mar-14 | 19:55 | 55.9            | 58.1            | 53.2            |
| 28-Mar-14 | 20:00 | 56.4            | 57.1            | 53.2            |
| 28-Mar-14 | 20:05 | 61.7            | 62.8            | 53.3            |
| 28-Mar-14 | 20:10 | 55.4            | 57.6            | 52.7            |
| 28-Mar-14 | 20:15 | 56.8            | 59.6            | 53.5            |
| 28-Mar-14 | 20:20 | 55.1            | 57.0            | 52.6            |
| 28-Mar-14 | 20:25 | 55.0            | 56.7            | 53.1            |
| 28-Mar-14 | 20:30 | 56.5            | 60.2            | 53.1            |
| 28-Mar-14 | 20:35 | 58.0            | 59.9            | 53.5            |
| 28-Mar-14 | 20:40 | 56.7            | 60.8            | 53.0            |
| 28-Mar-14 | 20:45 | 54.4            | 55.7            | 52.8            |
| 28-Mar-14 | 20:50 | 54.9            | 56.8            | 52.6            |
| 28-Mar-14 | 20:55 | 55.9            | 58.0            | 52.7            |
| 28-Mar-14 | 21:00 | 55.9            | 58.3            | 52.2            |
| 28-Mar-14 | 21:05 | 57.1            | 58.6            | 52.6            |
| 28-Mar-14 | 21:10 | 55.7            | 58.1            | 52.3            |
| 28-Mar-14 | 21:15 | 56.2            | 59.0            | 52.4            |
| 28-Mar-14 | 21:20 | 53.5            | 55.2            | 51.6            |
| 28-Mar-14 | 21:25 | 53.5            | 54.9            | 51.9            |
| 28-Mar-14 | 21:30 | 55.1            | 57.1            | 52.6            |
| 28-Mar-14 | 21:35 | 53.7            | 55.2            | 52.0            |
| 28-Mar-14 | 21:40 | 54.3            | 56.4            | 52.1            |
| 28-Mar-14 | 21:45 | 54.4            | 55.9            | 52.7            |
| 28-Mar-14 | 21:50 | 54.9            | 56.6            | 52.2            |
| 28-Mar-14 | 21:55 | 55.5            | 58.0            | 53.0            |
| 28-Mar-14 | 22:00 | 56.4            | 57.8            | 52.6            |
| 28-Mar-14 | 22:05 | 53.6            | 55.2            | 52.0            |
| 28-Mar-14 | 22:10 | 55.0            | 56.8            | 52.4            |
| 28-Mar-14 | 22:15 | 54.2            | 55.6            | 51.4            |
| 28-Mar-14 | 22:20 | 54.5            | 56.2            | 52.4            |
| 28-Mar-14 | 22:25 | 53.9            | 55.5            | 52.2            |
| 28-Mar-14 | 22:30 | 54.1            | 56.0            | 52.1            |
| 28-Mar-14 | 22:35 | 53.5            | 54.7            | 52.2            |
| 28-Mar-14 | 22:40 | 53.7            | 55.2            | 52.1            |
| 28-Mar-14 | 22:45 | 56.3            | 58.9            | 52.7            |
| 28-Mar-14 | 22:50 | 54.1            | 56.0            | 52.2            |
| 28-Mar-14 | 22:55 | 54.4            | 55.7            | 52.4            |
| Mean      |       | 55.8            | 57.4            | 52.8            |
| Maximum   |       | 61.7            | 62.8            | 54.4            |
| Minimum   |       | 53.5            | 54.7            | 51.4            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 29-Mar-14 | 19:00 | 57.5            | 59.6            | 55.2            |
| 29-Mar-14 | 19:05 | 57.5            | 59.3            | 55.2            |
| 29-Mar-14 | 19:10 | 57.5            | 59.6            | 55.2            |
| 29-Mar-14 | 19:15 | 58.2            | 60.0            | 55.4            |
| 29-Mar-14 | 19:20 | 57.7            | 59.3            | 55.2            |
| 29-Mar-14 | 19:25 | 58.1            | 59.6            | 56.0            |
| 29-Mar-14 | 19:30 | 58.3            | 60.8            | 55.2            |
| 29-Mar-14 | 19:35 | 57.6            | 59.2            | 55.0            |
| 29-Mar-14 | 19:40 | 57.6            | 59.9            | 55.0            |
| 29-Mar-14 | 19:45 | 58.1            | 60.8            | 55.2            |
| 29-Mar-14 | 19:50 | 57.4            | 59.5            | 55.0            |
| 29-Mar-14 | 19:55 | 58.0            | 60.8            | 54.2            |
| 29-Mar-14 | 20:00 | 57.5            | 58.8            | 54.3            |
| 29-Mar-14 | 20:05 | 56.1            | 57.8            | 54.1            |
| 29-Mar-14 | 20:10 | 57.4            | 59.8            | 54.4            |
| 29-Mar-14 | 20:15 | 56.5            | 58.9            | 53.5            |
| 29-Mar-14 | 20:20 | 55.8            | 57.5            | 54.0            |
| 29-Mar-14 | 20:25 | 56.3            | 57.8            | 54.2            |
| 29-Mar-14 | 20:30 | 55.8            | 56.9            | 54.3            |
| 29-Mar-14 | 20:35 | 55.8            | 57.3            | 54.0            |
| 29-Mar-14 | 20:40 | 56.6            | 58.5            | 54.3            |
| 29-Mar-14 | 20:45 | 57.0            | 59.1            | 54.1            |
| 29-Mar-14 | 20:50 | 57.3            | 59.4            | 54.7            |
| 29-Mar-14 | 20:55 | 56.8            | 58.8            | 54.3            |
| 29-Mar-14 | 21:00 | 56.6            | 58.3            | 54.4            |
| 29-Mar-14 | 21:05 | 55.1            | 56.0            | 53.8            |
| 29-Mar-14 | 21:10 | 56.3            | 58.7            | 53.7            |
| 29-Mar-14 | 21:15 | 54.8            | 55.9            | 53.6            |
| 29-Mar-14 | 21:20 | 56.3            | 57.7            | 54.5            |
| 29-Mar-14 | 21:25 | 57.5            | 59.2            | 55.4            |
| 29-Mar-14 | 21:30 | 58.1            | 61.0            | 54.7            |
| 29-Mar-14 | 21:35 | 57.0            | 59.1            | 54.5            |
| 29-Mar-14 | 21:40 | 57.4            | 60.5            | 54.0            |
| 29-Mar-14 | 21:45 | 57.4            | 59.8            | 53.7            |
| 29-Mar-14 | 21:50 | 54.7            | 56.2            | 53.0            |
| 29-Mar-14 | 21:55 | 57.1            | 59.7            | 53.7            |
| 29-Mar-14 | 22:00 | 56.3            | 58.2            | 54.1            |
| 29-Mar-14 | 22:05 | 56.2            | 57.9            | 54.0            |
| 29-Mar-14 | 22:10 | 56.3            | 58.9            | 53.2            |
| 29-Mar-14 | 22:15 | 54.9            | 56.5            | 53.2            |
| 29-Mar-14 | 22:20 | 53.9            | 55.2            | 52.3            |
| 29-Mar-14 | 22:25 | 56.1            | 58.3            | 53.1            |
| 29-Mar-14 | 22:30 | 56.5            | 58.4            | 53.3            |
| 29-Mar-14 | 22:35 | 53.9            | 54.9            | 52.6            |
| 29-Mar-14 | 22:40 | 54.8            | 57.0            | 52.4            |
| 29-Mar-14 | 22:45 | 55.1            | 56.9            | 53.3            |
| 29-Mar-14 | 22:50 | 54.4            | 56.1            | 52.4            |
| 29-Mar-14 | 22:55 | 54.4            | 56.1            | 52.1            |
| Mean      |       | 56.7            | 58.4            | 54.1            |
| Maximum   |       | 58.3            | 61.0            | 56.0            |
| Minimum   |       | 53.9            | 54.9            | 52.1            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 30-Mar-14 | 07:00 | 55.9            | 57.4            | 51.4            |
| 30-Mar-14 | 07:05 | 53.6            | 55.4            | 51.4            |
| 30-Mar-14 | 07:10 | 54.8            | 57.1            | 51.4            |
| 30-Mar-14 | 07:15 | 55.4            | 56.2            | 51.6            |
| 30-Mar-14 | 07:20 | 54.0            | 55.7            | 51.6            |
| 30-Mar-14 | 07:25 | 53.7            | 55.3            | 51.4            |
| 30-Mar-14 | 07:30 | 53.9            | 55.5            | 51.4            |
| 30-Mar-14 | 07:35 | 53.7            | 55.4            | 51.3            |
| 30-Mar-14 | 07:40 | 54.2            | 56.1            | 52.0            |
| 30-Mar-14 | 07:45 | 54.8            | 56.5            | 52.0            |
| 30-Mar-14 | 07:50 | 54.6            | 56.2            | 52.0            |
| 30-Mar-14 | 07:55 | 55.4            | 56.9            | 52.7            |
| 30-Mar-14 | 08:00 | 56.8            | 59.5            | 53.2            |
| 30-Mar-14 | 08:05 | 55.2            | 56.1            | 53.0            |
| 30-Mar-14 | 08:10 | 57.8            | 60.2            | 54.2            |
| 30-Mar-14 | 08:15 | 56.0            | 57.4            | 53.7            |
| 30-Mar-14 | 08:20 | 55.9            | 57.7            | 53.4            |
| 30-Mar-14 | 08:25 | 57.1            | 58.8            | 54.2            |
| 30-Mar-14 | 08:30 | 55.2            | 56.9            | 52.8            |
| 30-Mar-14 | 08:35 | 55.8            | 57.9            | 53.3            |
| 30-Mar-14 | 08:40 | 55.4            | 57.5            | 53.2            |
| 30-Mar-14 | 08:45 | 54.6            | 55.2            | 52.5            |
| 30-Mar-14 | 08:50 | 55.4            | 57.0            | 52.8            |
| 30-Mar-14 | 08:55 | 54.8            | 56.5            | 53.0            |
| 30-Mar-14 | 09:00 | 55.7            | 57.6            | 53.4            |
| 30-Mar-14 | 09:05 | 56.1            | 57.2            | 53.6            |
| 30-Mar-14 | 09:10 | 55.8            | 57.8            | 53.5            |
| 30-Mar-14 | 09:15 | 56.5            | 58.1            | 53.4            |
| 30-Mar-14 | 09:20 | 56.1            | 57.9            | 53.4            |
| 30-Mar-14 | 09:25 | 57.4            | 59.4            | 54.1            |
| 30-Mar-14 | 09:30 | 59.9            | 63.8            | 54.1            |
| 30-Mar-14 | 09:35 | 55.7            | 57.5            | 53.1            |
| 30-Mar-14 | 09:40 | 56.0            | 57.7            | 53.9            |
| 30-Mar-14 | 09:45 | 57.1            | 59.4            | 53.4            |
| 30-Mar-14 | 09:50 | 55.5            | 56.9            | 53.7            |
| 30-Mar-14 | 09:55 | 56.2            | 57.8            | 54.0            |
| 30-Mar-14 | 10:00 | 56.8            | 59.0            | 54.3            |
| 30-Mar-14 | 10:05 | 55.8            | 57.3            | 53.9            |
| 30-Mar-14 | 10:10 | 56.2            | 58.2            | 53.5            |
| 30-Mar-14 | 10:15 | 55.1            | 56.7            | 53.2            |
| 30-Mar-14 | 10:20 | 56.2            | 58.4            | 53.8            |
| 30-Mar-14 | 10:25 | 55.6            | 57.1            | 53.7            |
| 30-Mar-14 | 10:30 | 56.6            | 58.6            | 54.3            |
| 30-Mar-14 | 10:35 | 56.6            | 58.6            | 54.2            |
| 30-Mar-14 | 10:40 | 56.0            | 58.1            | 53.6            |
| 30-Mar-14 | 10:45 | 55.6            | 57.2            | 54.0            |
| 30-Mar-14 | 10:50 | 56.3            | 57.8            | 53.8            |
| 30-Mar-14 | 10:55 | 55.6            | 56.9            | 53.6            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 30-Mar-14 | 11:00 | 56.1            | 57.7            | 54.1            |
| 30-Mar-14 | 11:05 | 55.8            | 57.5            | 53.6            |
| 30-Mar-14 | 11:10 | 56.0            | 57.7            | 54.0            |
| 30-Mar-14 | 11:15 | 56.4            | 58.2            | 54.2            |
| 30-Mar-14 | 11:20 | 55.9            | 57.4            | 54.1            |
| 30-Mar-14 | 11:25 | 57.3            | 59.7            | 54.6            |
| 30-Mar-14 | 11:30 | 57.8            | 59.7            | 54.1            |
| 30-Mar-14 | 11:35 | 57.4            | 60.3            | 54.0            |
| 30-Mar-14 | 11:40 | 56.5            | 58.5            | 54.1            |
| 30-Mar-14 | 11:45 | 57.0            | 59.1            | 54.0            |
| 30-Mar-14 | 11:50 | 58.1            | 60.2            | 54.7            |
| 30-Mar-14 | 11:55 | 56.7            | 58.5            | 54.5            |
| 30-Mar-14 | 12:00 | 56.0            | 57.7            | 54.0            |
| 30-Mar-14 | 12:05 | 55.9            | 57.5            | 54.0            |
| 30-Mar-14 | 12:10 | 56.5            | 58.8            | 54.3            |
| 30-Mar-14 | 12:15 | 56.4            | 58.3            | 54.0            |
| 30-Mar-14 | 12:20 | 56.2            | 57.7            | 54.3            |
| 30-Mar-14 | 12:25 | 56.0            | 57.3            | 54.4            |
| 30-Mar-14 | 12:30 | 56.7            | 59.1            | 53.4            |
| 30-Mar-14 | 12:35 | 57.9            | 60.2            | 54.5            |
| 30-Mar-14 | 12:40 | 56.0            | 57.8            | 53.8            |
| 30-Mar-14 | 12:45 | 56.1            | 57.4            | 54.1            |
| 30-Mar-14 | 12:50 | 58.1            | 59.7            | 54.5            |
| 30-Mar-14 | 12:55 | 58.1            | 60.1            | 54.4            |
| 30-Mar-14 | 13:00 | 57.1            | 58.5            | 54.6            |
| 30-Mar-14 | 13:05 | 57.5            | 58.8            | 54.9            |
| 30-Mar-14 | 13:10 | 58.8            | 61.2            | 54.7            |
| 30-Mar-14 | 13:15 | 57.5            | 59.7            | 55.0            |
| 30-Mar-14 | 13:20 | 56.9            | 58.8            | 54.7            |
| 30-Mar-14 | 13:25 | 56.5            | 57.9            | 54.2            |
| 30-Mar-14 | 13:30 | 56.7            | 58.4            | 54.7            |
| 30-Mar-14 | 13:35 | 59.4            | 61.3            | 55.2            |
| 30-Mar-14 | 13:40 | 56.8            | 58.4            | 54.3            |
| 30-Mar-14 | 13:45 | 57.1            | 59.3            | 54.8            |
| 30-Mar-14 | 13:50 | 56.0            | 57.3            | 54.5            |
| 30-Mar-14 | 13:55 | 57.7            | 59.6            | 54.9            |
| 30-Mar-14 | 14:00 | 55.5            | 56.8            | 54.1            |
| 30-Mar-14 | 14:05 | 56.7            | 57.9            | 54.7            |
| 30-Mar-14 | 14:10 | 56.9            | 58.8            | 54.6            |
| 30-Mar-14 | 14:15 | 58.5            | 60.9            | 54.8            |
| 30-Mar-14 | 14:20 | 57.3            | 59.0            | 54.9            |
| 30-Mar-14 | 14:25 | 56.2            | 57.8            | 54.3            |
| 30-Mar-14 | 14:30 | 57.2            | 59.2            | 54.4            |
| 30-Mar-14 | 14:35 | 55.5            | 56.8            | 53.7            |
| 30-Mar-14 | 14:40 | 56.9            | 58.4            | 54.5            |
| 30-Mar-14 | 14:45 | 57.2            | 59.7            | 54.1            |
| 30-Mar-14 | 14:50 | 56.9            | 58.8            | 54.5            |
| 30-Mar-14 | 14:55 | 56.9            | 58.8            | 54.4            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 30-Mar-14 | 15:00 | 56.9            | 59.2            | 54.3            |
| 30-Mar-14 | 15:05 | 56.1            | 57.8            | 54.2            |
| 30-Mar-14 | 15:10 | 57.0            | 58.9            | 54.5            |
| 30-Mar-14 | 15:15 | 57.0            | 58.6            | 54.7            |
| 30-Mar-14 | 15:20 | 56.7            | 58.7            | 54.2            |
| 30-Mar-14 | 15:25 | 56.5            | 57.8            | 54.1            |
| 30-Mar-14 | 15:30 | 56.8            | 58.9            | 54.3            |
| 30-Mar-14 | 15:35 | 58.8            | 60.8            | 54.4            |
| 30-Mar-14 | 15:40 | 56.7            | 58.6            | 54.3            |
| 30-Mar-14 | 15:45 | 56.7            | 58.6            | 54.1            |
| 30-Mar-14 | 15:50 | 57.3            | 59.8            | 54.2            |
| 30-Mar-14 | 15:55 | 56.3            | 58.2            | 54.1            |
| 30-Mar-14 | 16:00 | 56.5            | 58.2            | 54.0            |
| 30-Mar-14 | 16:05 | 58.2            | 60.9            | 54.9            |
| 30-Mar-14 | 16:10 | 56.8            | 58.8            | 54.0            |
| 30-Mar-14 | 16:15 | 57.7            | 60.2            | 54.5            |
| 30-Mar-14 | 16:20 | 57.0            | 58.8            | 54.7            |
| 30-Mar-14 | 16:25 | 56.1            | 57.7            | 54.2            |
| 30-Mar-14 | 16:30 | 56.6            | 58.3            | 54.5            |
| 30-Mar-14 | 16:35 | 56.3            | 58.2            | 54.3            |
| 30-Mar-14 | 16:40 | 58.2            | 60.7            | 54.7            |
| 30-Mar-14 | 16:45 | 58.2            | 59.9            | 54.5            |
| 30-Mar-14 | 16:50 | 58.8            | 60.4            | 54.2            |
| 30-Mar-14 | 16:55 | 57.0            | 58.8            | 54.2            |
| 30-Mar-14 | 17:00 | 56.6            | 58.2            | 54.2            |
| 30-Mar-14 | 17:05 | 56.8            | 58.7            | 54.4            |
| 30-Mar-14 | 17:10 | 55.8            | 57.5            | 53.6            |
| 30-Mar-14 | 17:15 | 56.3            | 57.8            | 54.1            |
| 30-Mar-14 | 17:20 | 56.0            | 57.3            | 53.8            |
| 30-Mar-14 | 17:25 | 54.9            | 55.9            | 53.5            |
| 30-Mar-14 | 17:30 | 56.7            | 59.1            | 54.3            |
| 30-Mar-14 | 17:35 | 56.5            | 57.9            | 54.1            |
| 30-Mar-14 | 17:40 | 55.6            | 57.0            | 54.0            |
| 30-Mar-14 | 17:45 | 56.0            | 57.7            | 54.2            |
| 30-Mar-14 | 17:50 | 56.3            | 57.6            | 54.3            |
| 30-Mar-14 | 17:55 | 56.1            | 57.9            | 54.0            |
| 30-Mar-14 | 18:00 | 56.9            | 58.7            | 54.3            |
| 30-Mar-14 | 18:05 | 56.3            | 57.6            | 54.0            |
| 30-Mar-14 | 18:10 | 56.1            | 57.7            | 54.1            |
| 30-Mar-14 | 18:15 | 56.1            | 57.6            | 54.1            |
| 30-Mar-14 | 18:20 | 55.7            | 57.5            | 54.0            |
| 30-Mar-14 | 18:25 | 55.5            | 57.0            | 53.5            |
| 30-Mar-14 | 18:30 | 56.4            | 58.1            | 54.2            |
| 30-Mar-14 | 18:35 | 55.1            | 56.6            | 53.4            |
| 30-Mar-14 | 18:40 | 55.5            | 56.8            | 53.9            |
| 30-Mar-14 | 18:45 | 57.1            | 58.8            | 54.7            |
| 30-Mar-14 | 18:50 | 56.4            | 58.3            | 53.9            |
| 30-Mar-14 | 18:55 | 56.1            | 57.6            | 54.0            |

## Appendix C

### Evening Time and Holiday Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 30-Mar-14 | 19:00 | 55.4            | 56.8            | 53.9            |
| 30-Mar-14 | 19:05 | 54.8            | 56.3            | 53.0            |
| 30-Mar-14 | 19:10 | 55.6            | 57.8            | 53.3            |
| 30-Mar-14 | 19:15 | 56.3            | 57.8            | 54.1            |
| 30-Mar-14 | 19:20 | 60.6            | 64.6            | 54.9            |
| 30-Mar-14 | 19:25 | 62.1            | 66.0            | 56.3            |
| 30-Mar-14 | 19:30 | 56.9            | 59.0            | 54.5            |
| 30-Mar-14 | 19:35 | 56.5            | 58.1            | 54.1            |
| 30-Mar-14 | 19:40 | 57.2            | 58.6            | 55.2            |
| 30-Mar-14 | 19:45 | 61.8            | 64.1            | 58.1            |
| 30-Mar-14 | 19:50 | 58.4            | 60.8            | 54.8            |
| 30-Mar-14 | 19:55 | 57.6            | 59.8            | 54.7            |
| 30-Mar-14 | 20:00 | 56.6            | 58.6            | 54.2            |
| 30-Mar-14 | 20:05 | 58.5            | 60.2            | 56.4            |
| 30-Mar-14 | 20:10 | 68.1            | 65.8            | 57.1            |
| 30-Mar-14 | 20:15 | 67.7            | 68.1            | 61.9            |
| 30-Mar-14 | 20:20 | 82.5            | 80.7            | 66.5            |
| 30-Mar-14 | 20:25 | 74.8            | 77.0            | 66.4            |
| 30-Mar-14 | 20:30 | 76.1            | 75.2            | 66.9            |
| 30-Mar-14 | 20:35 | 71.1            | 72.9            | 65.5            |
| 30-Mar-14 | 20:40 | 68.8            | 69.6            | 63.3            |
| 30-Mar-14 | 20:45 | 62.1            | 63.5            | 60.0            |
| 30-Mar-14 | 20:50 | 60.9            | 62.3            | 59.1            |
| 30-Mar-14 | 20:55 | 59.8            | 62.0            | 57.2            |
| 30-Mar-14 | 21:00 | 64.2            | 66.7            | 56.7            |
| 30-Mar-14 | 21:05 | 62.7            | 64.9            | 56.3            |
| 30-Mar-14 | 21:10 | 57.3            | 59.9            | 54.5            |
| 30-Mar-14 | 21:15 | 62.0            | 64.7            | 56.7            |
| 30-Mar-14 | 21:20 | 66.6            | 67.7            | 65.3            |
| 30-Mar-14 | 21:25 | 67.6            | 67.6            | 62.4            |
| 30-Mar-14 | 21:30 | 70.2            | 70.4            | 63.0            |
| 30-Mar-14 | 21:35 | 75.3            | 76.4            | 67.6            |
| 30-Mar-14 | 21:40 | 70.5            | 72.9            | 66.8            |
| 30-Mar-14 | 21:45 | 69.2            | 70.7            | 65.6            |
| 30-Mar-14 | 21:50 | 72.2            | 74.3            | 65.7            |
| 30-Mar-14 | 21:55 | 70.3            | 70.3            | 65.8            |
| 30-Mar-14 | 22:00 | 64.2            | 65.7            | 62.2            |
| 30-Mar-14 | 22:05 | 60.8            | 62.9            | 57.1            |
| 30-Mar-14 | 22:10 | 55.8            | 56.8            | 54.5            |
| 30-Mar-14 | 22:15 | 59.7            | 63.2            | 55.8            |
| 30-Mar-14 | 22:20 | 59.3            | 61.4            | 55.9            |
| 30-Mar-14 | 22:25 | 58.4            | 60.7            | 55.6            |
| 30-Mar-14 | 22:30 | 57.1            | 58.9            | 54.6            |
| 30-Mar-14 | 22:35 | 55.9            | 57.7            | 54.1            |
| 30-Mar-14 | 22:40 | 56.1            | 57.5            | 54.4            |
| 30-Mar-14 | 22:45 | 57.3            | 58.8            | 55.0            |
| 30-Mar-14 | 22:50 | 55.3            | 56.5            | 53.8            |
| 30-Mar-14 | 22:55 | 56.0            | 57.5            | 54.3            |
| Mean      | 64.0  | 59.7            | 55.0            |                 |
| Maximum   | 82.5  | 80.7            | 67.6            |                 |
| Minimum   | 53.6  | 55.2            | 51.3            |                 |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 31-Mar-14 | 19:00 | 59.9            | 62.2            | 56.6            |
| 31-Mar-14 | 19:05 | 59.1            | 61.4            | 56.1            |
| 31-Mar-14 | 19:10 | 61.7            | 63.3            | 59.4            |
| 31-Mar-14 | 19:15 | 62.0            | 64.1            | 59.3            |
| 31-Mar-14 | 19:20 | 61.0            | 63.5            | 58.2            |
| 31-Mar-14 | 19:25 | 60.3            | 63.2            | 56.6            |
| 31-Mar-14 | 19:30 | 58.7            | 60.6            | 56.4            |
| 31-Mar-14 | 19:35 | 59.9            | 62.8            | 56.6            |
| 31-Mar-14 | 19:40 | 59.0            | 61.4            | 56.2            |
| 31-Mar-14 | 19:45 | 58.5            | 60.6            | 56.0            |
| 31-Mar-14 | 19:50 | 59.3            | 59.9            | 55.4            |
| 31-Mar-14 | 19:55 | 63.8            | 66.9            | 58.3            |
| 31-Mar-14 | 20:00 | 58.8            | 60.9            | 56.4            |
| 31-Mar-14 | 20:05 | 59.4            | 61.8            | 56.4            |
| 31-Mar-14 | 20:10 | 60.4            | 62.8            | 56.7            |
| 31-Mar-14 | 20:15 | 60.5            | 63.7            | 56.5            |
| 31-Mar-14 | 20:20 | 59.7            | 61.7            | 55.6            |
| 31-Mar-14 | 20:25 | 57.4            | 58.7            | 55.2            |
| 31-Mar-14 | 20:30 | 57.3            | 59.5            | 55.0            |
| 31-Mar-14 | 20:35 | 58.0            | 60.5            | 55.1            |
| 31-Mar-14 | 20:40 | 56.6            | 58.0            | 55.0            |
| 31-Mar-14 | 20:45 | 58.2            | 60.4            | 55.5            |
| 31-Mar-14 | 20:50 | 56.9            | 58.5            | 54.6            |
| 31-Mar-14 | 20:55 | 55.9            | 57.7            | 54.0            |
| 31-Mar-14 | 21:00 | 56.1            | 58.0            | 54.1            |
| 31-Mar-14 | 21:05 | 57.3            | 58.8            | 54.4            |
| 31-Mar-14 | 21:10 | 57.3            | 59.1            | 54.4            |
| 31-Mar-14 | 21:15 | 56.4            | 58.1            | 54.2            |
| 31-Mar-14 | 21:20 | 55.5            | 57.0            | 53.8            |
| 31-Mar-14 | 21:25 | 55.3            | 56.6            | 53.7            |
| 31-Mar-14 | 21:30 | 55.4            | 57.2            | 53.2            |
| 31-Mar-14 | 21:35 | 55.7            | 57.1            | 53.4            |
| 31-Mar-14 | 21:40 | 56.0            | 57.8            | 53.4            |
| 31-Mar-14 | 21:45 | 54.8            | 56.2            | 53.3            |
| 31-Mar-14 | 21:50 | 55.4            | 56.9            | 53.0            |
| 31-Mar-14 | 21:55 | 55.6            | 57.4            | 53.6            |
| 31-Mar-14 | 22:00 | 54.5            | 55.8            | 53.1            |
| 31-Mar-14 | 22:05 | 54.7            | 55.8            | 53.2            |
| 31-Mar-14 | 22:10 | 55.5            | 56.8            | 53.3            |
| 31-Mar-14 | 22:15 | 55.7            | 57.8            | 53.3            |
| 31-Mar-14 | 22:20 | 55.7            | 57.5            | 53.7            |
| 31-Mar-14 | 22:25 | 56.0            | 57.4            | 53.4            |
| 31-Mar-14 | 22:30 | 54.6            | 56.2            | 52.8            |
| 31-Mar-14 | 22:35 | 55.0            | 56.3            | 53.2            |
| 31-Mar-14 | 22:40 | 53.9            | 54.9            | 52.5            |
| 31-Mar-14 | 22:45 | 55.0            | 56.9            | 53.1            |
| 31-Mar-14 | 22:50 | 54.3            | 55.6            | 52.9            |
| 31-Mar-14 | 22:55 | 54.5            | 55.9            | 52.2            |
| Mean      | 58.1  | 59.2            | 54.8            |                 |
| Maximum   | 63.8  | 66.9            | 59.4            |                 |
| Minimum   | 53.9  | 54.9            | 52.2            |                 |

| Summary of Evening Time and Holiday Noise Level at Tak Long Estate (M10) |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
|  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| Mean   | 58.5            | 58.0            | 53.6            |
| Maximum  | 82.5            | 80.7            | 67.6            |
| Minimum  | 52.5            | 53.6            | 50.3            |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 13-Mar-14 | 23:00 | 56.5            | 58.7            | 52.2            |
| 13-Mar-14 | 23:05 | 53.0            | 54.2            | 51.3            |
| 13-Mar-14 | 23:10 | 54.2            | 55.2            | 51.3            |
| 13-Mar-14 | 23:15 | 53.3            | 54.8            | 51.6            |
| 13-Mar-14 | 23:20 | 53.1            | 54.5            | 51.1            |
| 13-Mar-14 | 23:25 | 52.0            | 53.2            | 50.7            |
| 13-Mar-14 | 23:30 | 52.3            | 53.6            | 50.7            |
| 13-Mar-14 | 23:35 | 53.6            | 55.0            | 51.4            |
| 13-Mar-14 | 23:40 | 53.0            | 54.3            | 51.4            |
| 13-Mar-14 | 23:45 | 53.5            | 54.1            | 51.4            |
| 13-Mar-14 | 23:50 | 53.3            | 55.3            | 51.2            |
| 13-Mar-14 | 23:55 | 52.3            | 53.6            | 50.9            |
| Mean      |       | 53.5            | 54.7            | 51.3            |
| Maximum   |       | 56.5            | 58.7            | 52.2            |
| Minimum   |       | 52.0            | 53.2            | 50.7            |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 14-Mar-14 | 0:00  | 51.5            | 52.6            | 50.3            |
| 14-Mar-14 | 0:05  | 53.0            | 54.4            | 51.4            |
| 14-Mar-14 | 0:10  | 52.4            | 53.6            | 51.1            |
| 14-Mar-14 | 0:15  | 53.0            | 54.4            | 51.0            |
| 14-Mar-14 | 0:20  | 52.1            | 53.2            | 51.0            |
| 14-Mar-14 | 0:25  | 52.3            | 53.7            | 50.4            |
| 14-Mar-14 | 0:30  | 52.5            | 53.8            | 50.5            |
| 14-Mar-14 | 0:35  | 52.1            | 53.6            | 50.0            |
| 14-Mar-14 | 0:40  | 52.1            | 53.6            | 50.3            |
| 14-Mar-14 | 0:45  | 51.6            | 52.8            | 50.1            |
| 14-Mar-14 | 0:50  | 52.3            | 54.4            | 50.1            |
| 14-Mar-14 | 0:55  | 51.9            | 53.4            | 50.0            |
| 14-Mar-14 | 1:00  | 51.5            | 52.9            | 50.1            |
| 14-Mar-14 | 1:05  | 52.0            | 53.4            | 50.1            |
| 14-Mar-14 | 1:10  | 51.2            | 52.6            | 49.8            |
| 14-Mar-14 | 1:15  | 51.5            | 52.9            | 49.9            |
| 14-Mar-14 | 1:20  | 50.7            | 51.9            | 49.2            |
| 14-Mar-14 | 1:25  | 55.3            | 59.0            | 49.8            |
| 14-Mar-14 | 1:30  | 53.9            | 56.4            | 49.6            |
| 14-Mar-14 | 1:35  | 51.1            | 52.3            | 49.6            |
| 14-Mar-14 | 1:40  | 50.9            | 52.3            | 49.3            |
| 14-Mar-14 | 1:45  | 51.7            | 53.3            | 49.1            |
| 14-Mar-14 | 1:50  | 52.0            | 54.5            | 49.2            |
| 14-Mar-14 | 1:55  | 51.9            | 53.5            | 49.3            |
| 14-Mar-14 | 2:00  | 51.1            | 52.8            | 49.1            |
| 14-Mar-14 | 2:05  | 50.5            | 51.9            | 49.0            |
| 14-Mar-14 | 2:10  | 50.9            | 52.3            | 49.3            |
| 14-Mar-14 | 2:15  | 50.6            | 51.8            | 49.1            |
| 14-Mar-14 | 2:20  | 50.5            | 51.7            | 49.1            |
| 14-Mar-14 | 2:25  | 50.6            | 51.7            | 49.3            |
| 14-Mar-14 | 2:30  | 50.6            | 51.9            | 49.2            |
| 14-Mar-14 | 2:35  | 52.1            | 53.1            | 49.4            |
| 14-Mar-14 | 2:40  | 51.2            | 52.8            | 49.4            |
| 14-Mar-14 | 2:45  | 50.4            | 51.6            | 49.1            |
| 14-Mar-14 | 2:50  | 50.9            | 52.2            | 49.1            |
| 14-Mar-14 | 2:55  | 50.6            | 51.8            | 49.1            |
| 14-Mar-14 | 3:00  | 50.4            | 51.5            | 49.1            |
| 14-Mar-14 | 3:05  | 51.5            | 53.1            | 49.1            |
| 14-Mar-14 | 3:10  | 50.2            | 51.4            | 48.9            |
| 14-Mar-14 | 3:15  | 50.0            | 51.1            | 48.6            |
| 14-Mar-14 | 3:20  | 49.8            | 50.9            | 48.4            |
| 14-Mar-14 | 3:25  | 50.0            | 51.1            | 48.8            |
| 14-Mar-14 | 3:30  | 50.4            | 51.8            | 49.1            |
| 14-Mar-14 | 3:35  | 51.2            | 52.5            | 49.0            |
| 14-Mar-14 | 3:40  | 50.7            | 51.9            | 49.0            |
| 14-Mar-14 | 3:45  | 49.9            | 50.9            | 48.8            |
| 14-Mar-14 | 3:50  | 50.3            | 51.7            | 49.0            |
| 14-Mar-14 | 3:55  | 51.4            | 52.5            | 49.0            |
| 14-Mar-14 | 4:00  | 51.1            | 52.6            | 49.2            |
| 14-Mar-14 | 4:05  | 51.0            | 52.4            | 49.2            |
| 14-Mar-14 | 4:10  | 51.1            | 52.8            | 49.2            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 14-Mar-14 | 4:15  | 51.1            | 52.2            | 49.2            |
| 14-Mar-14 | 4:20  | 50.7            | 52.2            | 49.0            |
| 14-Mar-14 | 4:25  | 51.0            | 52.5            | 49.1            |
| 14-Mar-14 | 4:30  | 50.4            | 51.7            | 49.0            |
| 14-Mar-14 | 4:35  | 52.3            | 53.6            | 49.2            |
| 14-Mar-14 | 4:40  | 50.6            | 52.1            | 49.0            |
| 14-Mar-14 | 4:45  | 52.0            | 53.6            | 48.3            |
| 14-Mar-14 | 4:50  | 50.4            | 51.9            | 48.5            |
| 14-Mar-14 | 4:55  | 50.0            | 51.4            | 48.4            |
| 14-Mar-14 | 5:00  | 50.4            | 51.7            | 49.0            |
| 14-Mar-14 | 5:05  | 50.6            | 51.8            | 49.0            |
| 14-Mar-14 | 5:10  | 50.3            | 51.5            | 49.0            |
| 14-Mar-14 | 5:15  | 50.6            | 51.9            | 49.1            |
| 14-Mar-14 | 5:20  | 50.3            | 51.7            | 48.5            |
| 14-Mar-14 | 5:25  | 50.9            | 52.4            | 49.1            |
| 14-Mar-14 | 5:30  | 51.1            | 52.5            | 49.1            |
| 14-Mar-14 | 5:35  | 50.7            | 52.1            | 49.1            |
| 14-Mar-14 | 5:40  | 50.7            | 52.2            | 49.1            |
| 14-Mar-14 | 5:45  | 51.0            | 52.4            | 49.0            |
| 14-Mar-14 | 5:50  | 51.4            | 53.0            | 49.4            |
| 14-Mar-14 | 5:55  | 51.9            | 53.9            | 49.5            |
| 14-Mar-14 | 6:00  | 52.0            | 53.7            | 50.0            |
| 14-Mar-14 | 6:05  | 51.2            | 52.8            | 49.6            |
| 14-Mar-14 | 6:10  | 52.3            | 53.8            | 50.6            |
| 14-Mar-14 | 6:15  | 53.4            | 55.7            | 50.3            |
| 14-Mar-14 | 6:20  | 52.8            | 54.5            | 50.2            |
| 14-Mar-14 | 6:25  | 52.8            | 54.2            | 51.1            |
| 14-Mar-14 | 6:30  | 54.7            | 56.8            | 51.9            |
| 14-Mar-14 | 6:35  | 52.4            | 53.9            | 50.8            |
| 14-Mar-14 | 6:40  | 54.5            | 56.3            | 51.6            |
| 14-Mar-14 | 6:45  | 53.7            | 55.1            | 51.7            |
| 14-Mar-14 | 6:50  | 55.2            | 55.8            | 52.2            |
| 14-Mar-14 | 6:55  | 54.4            | 56.0            | 52.5            |
| 14-Mar-14 | 23:00 | 53.6            | 55.1            | 52.0            |
| 14-Mar-14 | 23:05 | 53.9            | 55.3            | 52.4            |
| 14-Mar-14 | 23:10 | 54.0            | 55.6            | 52.2            |
| 14-Mar-14 | 23:15 | 54.3            | 55.8            | 52.3            |
| 14-Mar-14 | 23:20 | 53.9            | 55.6            | 52.1            |
| 14-Mar-14 | 23:25 | 54.5            | 56.4            | 52.0            |
| 14-Mar-14 | 23:30 | 53.6            | 55.0            | 52.0            |
| 14-Mar-14 | 23:35 | 53.5            | 55.0            | 51.5            |
| 14-Mar-14 | 23:40 | 54.0            | 55.6            | 52.0            |
| 14-Mar-14 | 23:45 | 53.5            | 54.7            | 52.0            |
| 14-Mar-14 | 23:50 | 52.9            | 54.2            | 51.3            |
| 14-Mar-14 | 23:55 | 52.9            | 54.3            | 51.3            |

Mean            52.0            53.2            49.9  
 Maximum        55.3            59.0            52.5  
 Minimum        49.8            50.9            48.3

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 15-Mar-14 | 0:00  | 53.3            | 55.0            | 51.3            |
| 15-Mar-14 | 0:05  | 52.7            | 54.2            | 51.2            |
| 15-Mar-14 | 0:10  | 52.4            | 53.9            | 50.5            |
| 15-Mar-14 | 0:15  | 52.5            | 54.3            | 50.6            |
| 15-Mar-14 | 0:20  | 52.5            | 53.8            | 51.2            |
| 15-Mar-14 | 0:25  | 53.6            | 55.9            | 51.1            |
| 15-Mar-14 | 0:30  | 52.3            | 53.5            | 51.1            |
| 15-Mar-14 | 0:35  | 51.9            | 53.6            | 50.2            |
| 15-Mar-14 | 0:40  | 52.4            | 54.4            | 50.1            |
| 15-Mar-14 | 0:45  | 52.8            | 54.6            | 50.4            |
| 15-Mar-14 | 0:50  | 51.8            | 53.1            | 50.1            |
| 15-Mar-14 | 0:55  | 52.1            | 53.8            | 50.1            |
| 15-Mar-14 | 1:00  | 53.1            | 55.1            | 50.5            |
| 15-Mar-14 | 1:05  | 51.8            | 53.4            | 50.0            |
| 15-Mar-14 | 1:10  | 51.8            | 53.3            | 50.2            |
| 15-Mar-14 | 1:15  | 51.6            | 52.9            | 50.0            |
| 15-Mar-14 | 1:20  | 51.9            | 53.6            | 50.1            |
| 15-Mar-14 | 1:25  | 51.8            | 53.2            | 49.5            |
| 15-Mar-14 | 1:30  | 52.2            | 53.5            | 50.4            |
| 15-Mar-14 | 1:35  | 51.9            | 53.4            | 50.2            |
| 15-Mar-14 | 1:40  | 51.3            | 52.5            | 50.0            |
| 15-Mar-14 | 1:45  | 51.2            | 52.5            | 49.8            |
| 15-Mar-14 | 1:50  | 51.1            | 53.0            | 49.1            |
| 15-Mar-14 | 1:55  | 51.8            | 53.2            | 50.1            |
| 15-Mar-14 | 2:00  | 51.6            | 52.9            | 49.9            |
| 15-Mar-14 | 2:05  | 51.4            | 53.0            | 49.4            |
| 15-Mar-14 | 2:10  | 51.2            | 52.4            | 49.9            |
| 15-Mar-14 | 2:15  | 50.8            | 52.0            | 49.3            |
| 15-Mar-14 | 2:20  | 51.2            | 52.5            | 49.7            |
| 15-Mar-14 | 2:25  | 51.4            | 52.9            | 49.7            |
| 15-Mar-14 | 2:30  | 50.8            | 52.2            | 49.1            |
| 15-Mar-14 | 2:35  | 51.6            | 53.2            | 49.5            |
| 15-Mar-14 | 2:40  | 51.2            | 52.4            | 49.8            |
| 15-Mar-14 | 2:45  | 51.1            | 52.4            | 49.7            |
| 15-Mar-14 | 2:50  | 51.2            | 52.7            | 49.5            |
| 15-Mar-14 | 2:55  | 51.5            | 52.8            | 50.0            |
| 15-Mar-14 | 3:00  | 52.1            | 53.4            | 49.7            |
| 15-Mar-14 | 3:05  | 58.8            | 56.7            | 49.2            |
| 15-Mar-14 | 3:10  | 50.9            | 52.4            | 49.2            |
| 15-Mar-14 | 3:15  | 50.8            | 52.0            | 49.3            |
| 15-Mar-14 | 3:20  | 51.2            | 52.1            | 49.3            |
| 15-Mar-14 | 3:25  | 51.5            | 52.9            | 49.1            |
| 15-Mar-14 | 3:30  | 50.8            | 52.4            | 48.8            |
| 15-Mar-14 | 3:35  | 51.1            | 52.5            | 49.1            |
| 15-Mar-14 | 3:40  | 50.5            | 51.8            | 48.7            |
| 15-Mar-14 | 3:45  | 50.9            | 52.4            | 49.1            |
| 15-Mar-14 | 3:50  | 51.0            | 52.1            | 49.2            |
| 15-Mar-14 | 3:55  | 50.7            | 52.4            | 49.0            |
| 15-Mar-14 | 4:00  | 51.2            | 52.6            | 49.0            |
| 15-Mar-14 | 4:05  | 50.5            | 51.7            | 49.1            |
| 15-Mar-14 | 4:10  | 50.8            | 52.4            | 49.0            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 15-Mar-14 | 4:15  | 50.2            | 51.7            | 48.5            |
| 15-Mar-14 | 4:20  | 52.3            | 54.4            | 49.1            |
| 15-Mar-14 | 4:25  | 50.4            | 51.7            | 49.0            |
| 15-Mar-14 | 4:30  | 50.7            | 51.8            | 49.2            |
| 15-Mar-14 | 4:35  | 52.9            | 54.6            | 49.9            |
| 15-Mar-14 | 4:40  | 51.1            | 52.7            | 49.0            |
| 15-Mar-14 | 4:45  | 50.7            | 52.1            | 49.1            |
| 15-Mar-14 | 4:50  | 51.5            | 53.3            | 49.4            |
| 15-Mar-14 | 4:55  | 50.9            | 52.6            | 49.0            |
| 15-Mar-14 | 5:00  | 51.3            | 52.6            | 49.1            |
| 15-Mar-14 | 5:05  | 51.6            | 53.4            | 49.1            |
| 15-Mar-14 | 5:10  | 50.5            | 51.8            | 49.0            |
| 15-Mar-14 | 5:15  | 50.8            | 52.2            | 49.1            |
| 15-Mar-14 | 5:20  | 51.5            | 53.3            | 49.6            |
| 15-Mar-14 | 5:25  | 52.9            | 55.3            | 50.0            |
| 15-Mar-14 | 5:30  | 51.4            | 53.0            | 49.1            |
| 15-Mar-14 | 5:35  | 51.4            | 53.0            | 49.5            |
| 15-Mar-14 | 5:40  | 51.2            | 52.6            | 49.3            |
| 15-Mar-14 | 5:45  | 51.8            | 53.8            | 49.3            |
| 15-Mar-14 | 5:50  | 51.4            | 52.9            | 49.9            |
| 15-Mar-14 | 5:55  | 53.3            | 55.2            | 50.0            |
| 15-Mar-14 | 6:00  | 52.1            | 53.6            | 49.4            |
| 15-Mar-14 | 6:05  | 52.3            | 53.8            | 50.5            |
| 15-Mar-14 | 6:10  | 53.1            | 55.5            | 50.3            |
| 15-Mar-14 | 6:15  | 53.1            | 54.7            | 50.2            |
| 15-Mar-14 | 6:20  | 51.9            | 53.1            | 50.3            |
| 15-Mar-14 | 6:25  | 53.4            | 55.2            | 50.8            |
| 15-Mar-14 | 6:30  | 53.0            | 54.6            | 50.6            |
| 15-Mar-14 | 6:35  | 53.4            | 55.5            | 50.8            |
| 15-Mar-14 | 6:40  | 54.4            | 56.2            | 51.3            |
| 15-Mar-14 | 6:45  | 54.4            | 57.9            | 51.0            |
| 15-Mar-14 | 6:50  | 53.4            | 54.8            | 51.8            |
| 15-Mar-14 | 6:55  | 54.7            | 56.7            | 52.0            |
| 15-Mar-14 | 23:00 | 54.6            | 55.9            | 53.1            |
| 15-Mar-14 | 23:05 | 54.5            | 55.9            | 53.0            |
| 15-Mar-14 | 23:10 | 54.0            | 55.3            | 52.5            |
| 15-Mar-14 | 23:15 | 54.9            | 56.8            | 52.6            |
| 15-Mar-14 | 23:20 | 54.3            | 55.9            | 52.6            |
| 15-Mar-14 | 23:25 | 54.2            | 55.7            | 52.4            |
| 15-Mar-14 | 23:30 | 54.4            | 55.9            | 52.3            |
| 15-Mar-14 | 23:35 | 55.2            | 56.7            | 52.6            |
| 15-Mar-14 | 23:40 | 54.5            | 56.4            | 52.2            |
| 15-Mar-14 | 23:45 | 53.3            | 54.6            | 52.0            |
| 15-Mar-14 | 23:50 | 53.8            | 55.5            | 52.0            |
| 15-Mar-14 | 23:55 | 54.3            | 56.0            | 52.1            |

Mean                    52.5                    53.7                    50.1  
 Maximum                58.8                    57.9                    53.1  
 Minimum                50.2                    51.7                    48.5

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 16-Mar-14 | 0:00  | 53.5            | 54.8            | 52.0            |
| 16-Mar-14 | 0:05  | 53.4            | 54.7            | 51.8            |
| 16-Mar-14 | 0:10  | 53.4            | 54.9            | 51.7            |
| 16-Mar-14 | 0:15  | 52.9            | 54.1            | 51.3            |
| 16-Mar-14 | 0:20  | 52.4            | 53.8            | 50.8            |
| 16-Mar-14 | 0:25  | 52.6            | 53.9            | 51.2            |
| 16-Mar-14 | 0:30  | 53.1            | 54.7            | 51.3            |
| 16-Mar-14 | 0:35  | 51.9            | 52.9            | 50.7            |
| 16-Mar-14 | 0:40  | 53.0            | 54.6            | 51.2            |
| 16-Mar-14 | 0:45  | 52.1            | 53.6            | 50.3            |
| 16-Mar-14 | 0:50  | 52.3            | 53.7            | 50.5            |
| 16-Mar-14 | 0:55  | 52.3            | 53.7            | 50.4            |
| 16-Mar-14 | 1:00  | 52.2            | 53.8            | 50.1            |
| 16-Mar-14 | 1:05  | 52.0            | 53.5            | 50.4            |
| 16-Mar-14 | 1:10  | 52.3            | 53.8            | 50.6            |
| 16-Mar-14 | 1:15  | 52.4            | 53.6            | 51.0            |
| 16-Mar-14 | 1:20  | 52.0            | 53.5            | 50.4            |
| 16-Mar-14 | 1:25  | 51.1            | 52.6            | 49.3            |
| 16-Mar-14 | 1:30  | 51.4            | 52.7            | 49.7            |
| 16-Mar-14 | 1:35  | 52.1            | 53.4            | 50.2            |
| 16-Mar-14 | 1:40  | 51.4            | 52.9            | 49.5            |
| 16-Mar-14 | 1:45  | 52.7            | 54.1            | 50.2            |
| 16-Mar-14 | 1:50  | 51.6            | 52.8            | 50.1            |
| 16-Mar-14 | 1:55  | 51.0            | 52.3            | 49.4            |
| 16-Mar-14 | 2:00  | 50.5            | 51.7            | 49.2            |
| 16-Mar-14 | 2:05  | 50.6            | 51.8            | 49.2            |
| 16-Mar-14 | 2:10  | 50.8            | 52.3            | 49.1            |
| 16-Mar-14 | 2:15  | 51.3            | 52.8            | 49.5            |
| 16-Mar-14 | 2:20  | 51.1            | 52.9            | 49.2            |
| 16-Mar-14 | 2:25  | 51.1            | 52.4            | 49.6            |
| 16-Mar-14 | 2:30  | 51.1            | 52.4            | 49.6            |
| 16-Mar-14 | 2:35  | 51.0            | 52.4            | 49.4            |
| 16-Mar-14 | 2:40  | 54.2            | 53.9            | 49.4            |
| 16-Mar-14 | 2:45  | 53.4            | 53.5            | 49.1            |
| 16-Mar-14 | 2:50  | 50.5            | 52.0            | 48.7            |
| 16-Mar-14 | 2:55  | 50.7            | 52.1            | 49.2            |
| 16-Mar-14 | 3:00  | 50.7            | 51.8            | 49.4            |
| 16-Mar-14 | 3:05  | 50.6            | 51.9            | 49.1            |
| 16-Mar-14 | 3:10  | 51.0            | 52.1            | 49.4            |
| 16-Mar-14 | 3:15  | 50.6            | 51.8            | 49.2            |
| 16-Mar-14 | 3:20  | 52.9            | 53.5            | 49.3            |
| 16-Mar-14 | 3:25  | 52.9            | 52.5            | 49.1            |
| 16-Mar-14 | 3:30  | 50.7            | 51.9            | 49.2            |
| 16-Mar-14 | 3:35  | 50.9            | 52.7            | 49.0            |
| 16-Mar-14 | 3:40  | 50.5            | 51.7            | 49.1            |
| 16-Mar-14 | 3:45  | 50.3            | 51.6            | 48.8            |
| 16-Mar-14 | 3:50  | 50.2            | 51.4            | 49.0            |
| 16-Mar-14 | 3:55  | 50.5            | 51.7            | 49.1            |
| 16-Mar-14 | 4:00  | 50.9            | 52.7            | 49.1            |
| 16-Mar-14 | 4:05  | 51.2            | 52.8            | 49.4            |
| 16-Mar-14 | 4:10  | 50.9            | 52.3            | 49.2            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 16-Mar-14 | 4:15  | 50.8            | 51.8            | 49.2            |
| 16-Mar-14 | 4:20  | 51.5            | 53.7            | 49.2            |
| 16-Mar-14 | 4:25  | 51.0            | 52.5            | 49.2            |
| 16-Mar-14 | 4:30  | 51.1            | 52.7            | 49.2            |
| 16-Mar-14 | 4:35  | 51.0            | 52.6            | 49.2            |
| 16-Mar-14 | 4:40  | 51.0            | 52.5            | 49.1            |
| 16-Mar-14 | 4:45  | 50.8            | 51.8            | 49.1            |
| 16-Mar-14 | 4:50  | 50.7            | 52.3            | 48.8            |
| 16-Mar-14 | 4:55  | 51.2            | 52.4            | 49.0            |
| 16-Mar-14 | 5:00  | 50.0            | 51.3            | 48.5            |
| 16-Mar-14 | 5:05  | 50.5            | 51.8            | 49.1            |
| 16-Mar-14 | 5:10  | 50.5            | 51.4            | 49.0            |
| 16-Mar-14 | 5:15  | 51.6            | 52.9            | 49.3            |
| 16-Mar-14 | 5:20  | 50.7            | 51.9            | 49.0            |
| 16-Mar-14 | 5:25  | 50.4            | 51.8            | 48.5            |
| 16-Mar-14 | 5:30  | 50.7            | 52.6            | 48.8            |
| 16-Mar-14 | 5:35  | 50.8            | 52.5            | 49.1            |
| 16-Mar-14 | 5:40  | 51.2            | 52.8            | 49.2            |
| 16-Mar-14 | 5:45  | 50.3            | 51.6            | 49.0            |
| 16-Mar-14 | 5:50  | 51.1            | 52.7            | 49.3            |
| 16-Mar-14 | 5:55  | 53.2            | 54.7            | 49.5            |
| 16-Mar-14 | 6:00  | 51.0            | 52.3            | 49.3            |
| 16-Mar-14 | 6:05  | 52.3            | 54.5            | 49.6            |
| 16-Mar-14 | 6:10  | 52.6            | 54.6            | 50.4            |
| 16-Mar-14 | 6:15  | 53.2            | 55.0            | 50.0            |
| 16-Mar-14 | 6:20  | 51.8            | 53.2            | 50.1            |
| 16-Mar-14 | 6:25  | 53.2            | 55.2            | 50.5            |
| 16-Mar-14 | 6:30  | 52.7            | 54.1            | 51.0            |
| 16-Mar-14 | 6:35  | 53.7            | 55.6            | 51.1            |
| 16-Mar-14 | 6:40  | 52.8            | 54.4            | 50.7            |
| 16-Mar-14 | 6:45  | 52.5            | 53.8            | 50.8            |
| 16-Mar-14 | 6:50  | 53.0            | 54.8            | 50.8            |
| 16-Mar-14 | 6:55  | 54.6            | 56.6            | 51.6            |
| 16-Mar-14 | 23:00 | 53.4            | 54.8            | 51.8            |
| 16-Mar-14 | 23:05 | 53.1            | 54.5            | 51.5            |
| 16-Mar-14 | 23:10 | 53.3            | 54.8            | 51.5            |
| 16-Mar-14 | 23:15 | 53.8            | 55.4            | 51.6            |
| 16-Mar-14 | 23:20 | 54.0            | 56.4            | 51.4            |
| 16-Mar-14 | 23:25 | 53.1            | 54.6            | 51.4            |
| 16-Mar-14 | 23:30 | 54.2            | 55.4            | 51.2            |
| 16-Mar-14 | 23:35 | 52.7            | 54.0            | 51.0            |
| 16-Mar-14 | 23:40 | 53.9            | 55.6            | 51.4            |
| 16-Mar-14 | 23:45 | 52.9            | 54.2            | 51.3            |
| 16-Mar-14 | 23:50 | 52.8            | 54.2            | 51.1            |
| 16-Mar-14 | 23:55 | 52.7            | 54.0            | 51.2            |

Mean            52.0            53.3            50.0  
 Maximum        54.6            56.6            52.0  
 Minimum        50.0            51.3            48.5

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 17-Mar-14 | 0:00  | 52.5            | 53.8            | 50.9            |
| 17-Mar-14 | 0:05  | 53.0            | 55.0            | 50.4            |
| 17-Mar-14 | 0:10  | 52.3            | 53.0            | 50.2            |
| 17-Mar-14 | 0:15  | 52.1            | 53.9            | 50.1            |
| 17-Mar-14 | 0:20  | 56.0            | 58.2            | 51.0            |
| 17-Mar-14 | 0:25  | 52.3            | 53.7            | 50.6            |
| 17-Mar-14 | 0:30  | 52.3            | 54.1            | 50.3            |
| 17-Mar-14 | 0:35  | 51.6            | 53.2            | 50.0            |
| 17-Mar-14 | 0:40  | 50.9            | 52.2            | 49.4            |
| 17-Mar-14 | 0:45  | 52.0            | 53.8            | 50.0            |
| 17-Mar-14 | 0:50  | 53.7            | 57.0            | 49.4            |
| 17-Mar-14 | 0:55  | 53.0            | 54.3            | 49.9            |
| 17-Mar-14 | 1:00  | 51.6            | 53.2            | 50.0            |
| 17-Mar-14 | 1:05  | 50.8            | 51.9            | 49.4            |
| 17-Mar-14 | 1:10  | 51.9            | 53.7            | 49.6            |
| 17-Mar-14 | 1:15  | 50.8            | 52.1            | 49.3            |
| 17-Mar-14 | 1:20  | 50.9            | 52.0            | 49.3            |
| 17-Mar-14 | 1:25  | 52.4            | 53.9            | 49.5            |
| 17-Mar-14 | 1:30  | 51.2            | 52.7            | 49.2            |
| 17-Mar-14 | 1:35  | 50.9            | 52.6            | 49.2            |
| 17-Mar-14 | 1:40  | 50.6            | 51.9            | 49.1            |
| 17-Mar-14 | 1:45  | 50.4            | 52.0            | 48.5            |
| 17-Mar-14 | 1:50  | 51.3            | 52.8            | 49.1            |
| 17-Mar-14 | 1:55  | 51.3            | 53.4            | 49.1            |
| 17-Mar-14 | 2:00  | 51.0            | 53.2            | 49.0            |
| 17-Mar-14 | 2:05  | 52.6            | 53.9            | 49.2            |
| 17-Mar-14 | 2:10  | 51.6            | 53.7            | 49.2            |
| 17-Mar-14 | 2:15  | 50.2            | 51.7            | 48.5            |
| 17-Mar-14 | 2:20  | 50.2            | 51.6            | 48.9            |
| 17-Mar-14 | 2:25  | 50.4            | 51.9            | 48.9            |
| 17-Mar-14 | 2:30  | 50.7            | 51.9            | 49.2            |
| 17-Mar-14 | 2:35  | 50.8            | 52.3            | 49.2            |
| 17-Mar-14 | 2:40  | 50.1            | 51.5            | 48.5            |
| 17-Mar-14 | 2:45  | 50.5            | 51.8            | 49.1            |
| 17-Mar-14 | 2:50  | 50.8            | 52.4            | 49.0            |
| 17-Mar-14 | 2:55  | 50.5            | 51.9            | 48.6            |
| 17-Mar-14 | 3:00  | 50.3            | 51.7            | 48.9            |
| 17-Mar-14 | 3:05  | 50.2            | 51.7            | 48.6            |
| 17-Mar-14 | 3:10  | 50.4            | 51.7            | 48.7            |
| 17-Mar-14 | 3:15  | 50.1            | 51.5            | 48.5            |
| 17-Mar-14 | 3:20  | 50.1            | 51.4            | 48.6            |
| 17-Mar-14 | 3:25  | 50.0            | 51.5            | 48.3            |
| 17-Mar-14 | 3:30  | 51.1            | 53.3            | 48.9            |
| 17-Mar-14 | 3:35  | 50.0            | 51.6            | 48.4            |
| 17-Mar-14 | 3:40  | 50.4            | 52.2            | 48.5            |
| 17-Mar-14 | 3:45  | 50.2            | 51.4            | 48.7            |
| 17-Mar-14 | 3:50  | 51.4            | 53.2            | 49.1            |
| 17-Mar-14 | 3:55  | 50.3            | 51.6            | 48.7            |
| 17-Mar-14 | 4:00  | 50.0            | 51.1            | 48.6            |
| 17-Mar-14 | 4:05  | 50.3            | 51.9            | 48.6            |
| 17-Mar-14 | 4:10  | 50.8            | 52.6            | 49.0            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 17-Mar-14 | 4:15  | 50.3            | 51.5            | 48.7            |
| 17-Mar-14 | 4:20  | 51.6            | 53.5            | 49.0            |
| 17-Mar-14 | 4:25  | 49.9            | 50.9            | 48.4            |
| 17-Mar-14 | 4:30  | 50.2            | 51.4            | 49.0            |
| 17-Mar-14 | 4:35  | 50.5            | 51.9            | 48.9            |
| 17-Mar-14 | 4:40  | 50.6            | 51.7            | 49.0            |
| 17-Mar-14 | 4:45  | 50.4            | 51.5            | 49.0            |
| 17-Mar-14 | 4:50  | 50.8            | 51.9            | 49.2            |
| 17-Mar-14 | 4:55  | 50.7            | 51.8            | 49.1            |
| 17-Mar-14 | 5:00  | 50.1            | 51.3            | 48.9            |
| 17-Mar-14 | 5:05  | 51.1            | 52.4            | 49.1            |
| 17-Mar-14 | 5:10  | 50.3            | 51.6            | 49.1            |
| 17-Mar-14 | 5:15  | 50.7            | 51.8            | 49.3            |
| 17-Mar-14 | 5:20  | 51.1            | 52.4            | 49.6            |
| 17-Mar-14 | 5:25  | 51.4            | 53.2            | 49.3            |
| 17-Mar-14 | 5:30  | 50.9            | 52.6            | 49.2            |
| 17-Mar-14 | 5:35  | 50.7            | 52.0            | 49.1            |
| 17-Mar-14 | 5:40  | 50.4            | 51.6            | 49.1            |
| 17-Mar-14 | 5:45  | 54.0            | 56.4            | 49.4            |
| 17-Mar-14 | 5:50  | 50.6            | 51.7            | 49.4            |
| 17-Mar-14 | 5:55  | 52.3            | 53.8            | 50.1            |
| 17-Mar-14 | 6:00  | 51.7            | 52.7            | 50.0            |
| 17-Mar-14 | 6:05  | 53.3            | 56.1            | 50.4            |
| 17-Mar-14 | 6:10  | 52.6            | 54.5            | 50.4            |
| 17-Mar-14 | 6:15  | 54.6            | 57.4            | 51.0            |
| 17-Mar-14 | 6:20  | 52.7            | 54.5            | 50.4            |
| 17-Mar-14 | 6:25  | 52.2            | 53.6            | 50.5            |
| 17-Mar-14 | 6:30  | 52.6            | 53.9            | 50.9            |
| 17-Mar-14 | 6:35  | 55.3            | 57.1            | 51.4            |
| 17-Mar-14 | 6:40  | 54.6            | 56.4            | 52.2            |
| 17-Mar-14 | 6:45  | 54.1            | 55.0            | 52.0            |
| 17-Mar-14 | 6:50  | 54.5            | 56.4            | 51.9            |
| 17-Mar-14 | 6:55  | 55.9            | 58.2            | 52.3            |
| 17-Mar-14 | 23:00 | 52.9            | 54.6            | 51.1            |
| 17-Mar-14 | 23:05 | 52.5            | 53.7            | 51.1            |
| 17-Mar-14 | 23:10 | 51.9            | 52.8            | 50.6            |
| 17-Mar-14 | 23:15 | 54.2            | 56.2            | 51.2            |
| 17-Mar-14 | 23:20 | 52.5            | 53.8            | 50.8            |
| 17-Mar-14 | 23:25 | 52.4            | 53.9            | 50.2            |
| 17-Mar-14 | 23:30 | 51.8            | 53.4            | 50.2            |
| 17-Mar-14 | 23:35 | 53.9            | 55.2            | 50.6            |
| 17-Mar-14 | 23:40 | 52.4            | 54.2            | 50.3            |
| 17-Mar-14 | 23:45 | 52.7            | 54.5            | 50.5            |
| 17-Mar-14 | 23:50 | 52.9            | 55.6            | 50.1            |
| 17-Mar-14 | 23:55 | 52.0            | 53.5            | 50.1            |

Mean            51.9            53.2            49.6  
 Maximum        56.0            58.2            52.3  
 Minimum        49.9            50.9            48.3

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 18-Mar-14 | 0:00  | 51.6            | 52.9            | 50.1            |
| 18-Mar-14 | 0:05  | 52.3            | 54.0            | 50.0            |
| 18-Mar-14 | 0:10  | 51.5            | 52.9            | 49.5            |
| 18-Mar-14 | 0:15  | 51.4            | 52.7            | 49.8            |
| 18-Mar-14 | 0:20  | 51.6            | 53.4            | 49.7            |
| 18-Mar-14 | 0:25  | 51.8            | 53.3            | 50.0            |
| 18-Mar-14 | 0:30  | 54.0            | 55.7            | 50.2            |
| 18-Mar-14 | 0:35  | 51.6            | 52.9            | 50.0            |
| 18-Mar-14 | 0:40  | 51.3            | 52.6            | 50.0            |
| 18-Mar-14 | 0:45  | 51.8            | 53.4            | 50.0            |
| 18-Mar-14 | 0:50  | 51.6            | 53.0            | 50.0            |
| 18-Mar-14 | 0:55  | 51.2            | 52.6            | 49.6            |
| 18-Mar-14 | 1:00  | 51.3            | 52.6            | 50.0            |
| 18-Mar-14 | 1:05  | 51.1            | 52.1            | 49.5            |
| 18-Mar-14 | 1:10  | 50.8            | 51.9            | 49.2            |
| 18-Mar-14 | 1:15  | 52.3            | 53.2            | 49.6            |
| 18-Mar-14 | 1:20  | 50.1            | 51.0            | 48.9            |
| 18-Mar-14 | 1:25  | 50.2            | 51.5            | 48.7            |
| 18-Mar-14 | 1:30  | 50.7            | 52.6            | 49.0            |
| 18-Mar-14 | 1:35  | 51.0            | 52.6            | 48.9            |
| 18-Mar-14 | 1:40  | 50.3            | 51.5            | 48.8            |
| 18-Mar-14 | 1:45  | 50.1            | 51.1            | 48.9            |
| 18-Mar-14 | 1:50  | 50.4            | 51.9            | 48.8            |
| 18-Mar-14 | 1:55  | 50.5            | 51.9            | 48.8            |
| 18-Mar-14 | 2:00  | 50.4            | 51.6            | 48.8            |
| 18-Mar-14 | 2:05  | 50.0            | 51.2            | 48.7            |
| 18-Mar-14 | 2:10  | 50.4            | 51.6            | 49.0            |
| 18-Mar-14 | 2:15  | 50.6            | 52.0            | 48.9            |
| 18-Mar-14 | 2:20  | 50.6            | 51.9            | 49.1            |
| 18-Mar-14 | 2:25  | 50.5            | 51.9            | 49.0            |
| 18-Mar-14 | 2:30  | 50.3            | 51.5            | 49.0            |
| 18-Mar-14 | 2:35  | 50.7            | 52.0            | 49.1            |
| 18-Mar-14 | 2:40  | 50.2            | 51.5            | 48.7            |
| 18-Mar-14 | 2:45  | 49.8            | 51.0            | 48.3            |
| 18-Mar-14 | 2:50  | 50.4            | 51.8            | 48.8            |
| 18-Mar-14 | 2:55  | 50.1            | 51.4            | 48.7            |
| 18-Mar-14 | 3:00  | 50.0            | 50.8            | 48.4            |
| 18-Mar-14 | 3:05  | 50.0            | 51.0            | 49.0            |
| 18-Mar-14 | 3:10  | 51.0            | 52.1            | 48.7            |
| 18-Mar-14 | 3:15  | 49.3            | 50.5            | 48.1            |
| 18-Mar-14 | 3:20  | 50.1            | 50.9            | 48.2            |
| 18-Mar-14 | 3:25  | 49.3            | 50.5            | 48.1            |
| 18-Mar-14 | 3:30  | 49.4            | 50.5            | 48.2            |
| 18-Mar-14 | 3:35  | 50.0            | 51.2            | 48.0            |
| 18-Mar-14 | 3:40  | 49.3            | 50.7            | 48.0            |
| 18-Mar-14 | 3:45  | 50.5            | 52.2            | 48.0            |
| 18-Mar-14 | 3:50  | 49.5            | 50.6            | 48.2            |
| 18-Mar-14 | 3:55  | 49.6            | 50.9            | 48.1            |
| 18-Mar-14 | 4:00  | 49.4            | 50.6            | 48.0            |
| 18-Mar-14 | 4:05  | 49.5            | 50.9            | 48.0            |
| 18-Mar-14 | 4:10  | 49.8            | 51.2            | 48.2            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 18-Mar-14 | 4:15  | 50.0            | 51.2            | 48.5            |
| 18-Mar-14 | 4:20  | 50.1            | 51.4            | 48.5            |
| 18-Mar-14 | 4:25  | 50.6            | 51.6            | 48.7            |
| 18-Mar-14 | 4:30  | 51.0            | 52.8            | 49.0            |
| 18-Mar-14 | 4:35  | 49.5            | 50.5            | 48.4            |
| 18-Mar-14 | 4:40  | 49.9            | 51.0            | 48.7            |
| 18-Mar-14 | 4:45  | 50.5            | 51.8            | 49.1            |
| 18-Mar-14 | 4:50  | 50.7            | 51.9            | 49.2            |
| 18-Mar-14 | 4:55  | 50.6            | 51.9            | 49.2            |
| 18-Mar-14 | 5:00  | 50.1            | 50.8            | 48.4            |
| 18-Mar-14 | 5:05  | 49.8            | 50.8            | 48.4            |
| 18-Mar-14 | 5:10  | 50.4            | 52.0            | 48.7            |
| 18-Mar-14 | 5:15  | 50.8            | 52.7            | 48.5            |
| 18-Mar-14 | 5:20  | 50.7            | 52.1            | 48.9            |
| 18-Mar-14 | 5:25  | 49.9            | 50.9            | 48.6            |
| 18-Mar-14 | 5:30  | 49.8            | 50.9            | 48.5            |
| 18-Mar-14 | 5:35  | 50.4            | 51.8            | 49.0            |
| 18-Mar-14 | 5:40  | 51.4            | 52.3            | 49.0            |
| 18-Mar-14 | 5:45  | 49.9            | 51.1            | 48.6            |
| 18-Mar-14 | 5:50  | 50.7            | 51.8            | 49.1            |
| 18-Mar-14 | 5:55  | 50.7            | 52.3            | 49.1            |
| 18-Mar-14 | 6:00  | 52.1            | 54.3            | 49.4            |
| 18-Mar-14 | 6:05  | 52.3            | 54.9            | 49.4            |
| 18-Mar-14 | 6:10  | 51.1            | 52.3            | 49.8            |
| 18-Mar-14 | 6:15  | 52.8            | 54.2            | 50.2            |
| 18-Mar-14 | 6:20  | 52.0            | 53.4            | 50.3            |
| 18-Mar-14 | 6:25  | 53.8            | 55.8            | 51.0            |
| 18-Mar-14 | 6:30  | 51.8            | 53.1            | 50.3            |
| 18-Mar-14 | 6:35  | 53.7            | 55.5            | 51.1            |
| 18-Mar-14 | 6:40  | 54.4            | 56.3            | 51.1            |
| 18-Mar-14 | 6:45  | 53.5            | 55.5            | 51.1            |
| 18-Mar-14 | 6:50  | 52.6            | 54.1            | 51.0            |
| 18-Mar-14 | 6:55  | 54.5            | 56.1            | 51.4            |
| 18-Mar-14 | 23:00 | 53.3            | 55.3            | 51.1            |
| 18-Mar-14 | 23:05 | 52.9            | 54.7            | 50.9            |
| 18-Mar-14 | 23:10 | 53.5            | 55.2            | 51.0            |
| 18-Mar-14 | 23:15 | 52.6            | 54.2            | 50.7            |
| 18-Mar-14 | 23:20 | 53.2            | 54.9            | 51.0            |
| 18-Mar-14 | 23:25 | 52.7            | 54.1            | 51.0            |
| 18-Mar-14 | 23:30 | 51.8            | 52.9            | 50.4            |
| 18-Mar-14 | 23:35 | 52.1            | 53.5            | 50.3            |
| 18-Mar-14 | 23:40 | 54.7            | 56.0            | 50.1            |
| 18-Mar-14 | 23:45 | 53.4            | 55.5            | 51.0            |
| 18-Mar-14 | 23:50 | 52.8            | 54.4            | 50.6            |
| 18-Mar-14 | 23:55 | 52.3            | 53.7            | 50.7            |

Mean            51.4            52.5            49.3  
 Maximum        54.7            56.3            51.4  
 Minimum        49.3            50.5            48.0

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 19-Mar-14 | 0:00  | 52.1            | 53.8            | 50.1            |
| 19-Mar-14 | 0:05  | 51.4            | 52.7            | 50.1            |
| 19-Mar-14 | 0:10  | 52.0            | 53.4            | 50.2            |
| 19-Mar-14 | 0:15  | 51.4            | 52.7            | 50.0            |
| 19-Mar-14 | 0:20  | 51.3            | 52.7            | 49.6            |
| 19-Mar-14 | 0:25  | 52.5            | 54.4            | 50.0            |
| 19-Mar-14 | 0:30  | 51.1            | 52.4            | 49.5            |
| 19-Mar-14 | 0:35  | 50.9            | 52.4            | 49.2            |
| 19-Mar-14 | 0:40  | 52.4            | 54.3            | 49.6            |
| 19-Mar-14 | 0:45  | 51.6            | 53.2            | 50.0            |
| 19-Mar-14 | 0:50  | 50.6            | 51.8            | 49.2            |
| 19-Mar-14 | 0:55  | 50.7            | 51.9            | 49.2            |
| 19-Mar-14 | 1:00  | 52.8            | 54.8            | 49.7            |
| 19-Mar-14 | 1:05  | 51.8            | 53.4            | 49.6            |
| 19-Mar-14 | 1:10  | 52.1            | 54.3            | 49.2            |
| 19-Mar-14 | 1:15  | 50.8            | 52.2            | 49.2            |
| 19-Mar-14 | 1:20  | 50.5            | 51.9            | 48.8            |
| 19-Mar-14 | 1:25  | 50.6            | 51.8            | 49.1            |
| 19-Mar-14 | 1:30  | 51.2            | 52.9            | 49.1            |
| 19-Mar-14 | 1:35  | 50.4            | 51.6            | 49.1            |
| 19-Mar-14 | 1:40  | 50.4            | 51.7            | 49.0            |
| 19-Mar-14 | 1:45  | 50.5            | 51.7            | 49.1            |
| 19-Mar-14 | 1:50  | 50.5            | 51.8            | 49.1            |
| 19-Mar-14 | 1:55  | 50.2            | 51.5            | 49.0            |
| 19-Mar-14 | 2:00  | 50.0            | 51.2            | 48.5            |
| 19-Mar-14 | 2:05  | 49.7            | 50.8            | 48.4            |
| 19-Mar-14 | 2:10  | 50.4            | 51.6            | 49.1            |
| 19-Mar-14 | 2:15  | 50.2            | 51.5            | 48.8            |
| 19-Mar-14 | 2:20  | 51.0            | 52.9            | 49.1            |
| 19-Mar-14 | 2:25  | 50.4            | 51.7            | 49.0            |
| 19-Mar-14 | 2:30  | 50.0            | 50.9            | 48.9            |
| 19-Mar-14 | 2:35  | 50.1            | 51.0            | 49.0            |
| 19-Mar-14 | 2:40  | 50.8            | 52.5            | 49.1            |
| 19-Mar-14 | 2:45  | 50.9            | 52.7            | 49.1            |
| 19-Mar-14 | 2:50  | 51.2            | 53.4            | 49.0            |
| 19-Mar-14 | 2:55  | 50.7            | 52.4            | 48.9            |
| 19-Mar-14 | 3:00  | 50.3            | 51.8            | 48.6            |
| 19-Mar-14 | 3:05  | 50.7            | 52.3            | 48.4            |
| 19-Mar-14 | 3:10  | 50.4            | 52.1            | 48.3            |
| 19-Mar-14 | 3:15  | 50.2            | 51.9            | 48.4            |
| 19-Mar-14 | 3:20  | 49.7            | 50.8            | 48.3            |
| 19-Mar-14 | 3:25  | 49.9            | 51.2            | 48.3            |
| 19-Mar-14 | 3:30  | 50.6            | 51.9            | 48.5            |
| 19-Mar-14 | 3:35  | 50.3            | 51.5            | 48.6            |
| 19-Mar-14 | 3:40  | 51.2            | 52.9            | 49.0            |
| 19-Mar-14 | 3:45  | 50.9            | 53.0            | 48.5            |
| 19-Mar-14 | 3:50  | 50.7            | 51.8            | 48.9            |
| 19-Mar-14 | 3:55  | 50.5            | 52.0            | 49.0            |
| 19-Mar-14 | 4:00  | 49.7            | 50.9            | 48.4            |
| 19-Mar-14 | 4:05  | 50.1            | 51.6            | 48.4            |
| 19-Mar-14 | 4:10  | 50.1            | 51.5            | 48.5            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 19-Mar-14 | 4:15  | 49.8            | 50.9            | 48.3            |
| 19-Mar-14 | 4:20  | 49.5            | 50.8            | 48.1            |
| 19-Mar-14 | 4:25  | 50.0            | 51.4            | 48.4            |
| 19-Mar-14 | 4:30  | 49.3            | 50.5            | 48.0            |
| 19-Mar-14 | 4:35  | 50.7            | 52.9            | 48.7            |
| 19-Mar-14 | 4:40  | 50.2            | 51.7            | 48.5            |
| 19-Mar-14 | 4:45  | 49.7            | 50.8            | 48.3            |
| 19-Mar-14 | 4:50  | 49.5            | 50.6            | 48.3            |
| 19-Mar-14 | 4:55  | 50.2            | 51.8            | 48.5            |
| 19-Mar-14 | 5:00  | 49.6            | 50.6            | 48.2            |
| 19-Mar-14 | 5:05  | 50.0            | 51.1            | 48.2            |
| 19-Mar-14 | 5:10  | 49.7            | 50.8            | 48.4            |
| 19-Mar-14 | 5:15  | 50.5            | 51.7            | 49.0            |
| 19-Mar-14 | 5:20  | 50.2            | 51.4            | 48.9            |
| 19-Mar-14 | 5:25  | 51.5            | 53.5            | 49.2            |
| 19-Mar-14 | 5:30  | 50.1            | 51.1            | 49.0            |
| 19-Mar-14 | 5:35  | 50.2            | 51.3            | 49.0            |
| 19-Mar-14 | 5:40  | 50.4            | 51.8            | 48.6            |
| 19-Mar-14 | 5:45  | 50.5            | 51.7            | 49.1            |
| 19-Mar-14 | 5:50  | 51.6            | 52.7            | 49.5            |
| 19-Mar-14 | 5:55  | 51.7            | 53.1            | 49.8            |
| 19-Mar-14 | 6:00  | 50.8            | 52.0            | 49.3            |
| 19-Mar-14 | 6:05  | 52.2            | 54.5            | 49.6            |
| 19-Mar-14 | 6:10  | 52.0            | 53.5            | 50.1            |
| 19-Mar-14 | 6:15  | 52.0            | 53.8            | 50.0            |
| 19-Mar-14 | 6:20  | 52.9            | 54.8            | 50.3            |
| 19-Mar-14 | 6:25  | 52.3            | 53.6            | 50.3            |
| 19-Mar-14 | 6:30  | 52.6            | 53.6            | 50.1            |
| 19-Mar-14 | 6:35  | 52.8            | 54.9            | 50.3            |
| 19-Mar-14 | 6:40  | 54.1            | 55.5            | 51.3            |
| 19-Mar-14 | 6:45  | 54.1            | 55.9            | 51.7            |
| 19-Mar-14 | 6:50  | 54.6            | 57.3            | 51.6            |
| 19-Mar-14 | 6:55  | 53.6            | 55.3            | 51.7            |
| 19-Mar-14 | 23:00 | 54.7            | 56.4            | 52.4            |
| 19-Mar-14 | 23:05 | 53.4            | 54.7            | 52.0            |
| 19-Mar-14 | 23:10 | 53.3            | 54.3            | 52.0            |
| 19-Mar-14 | 23:15 | 53.2            | 54.5            | 51.9            |
| 19-Mar-14 | 23:20 | 54.4            | 55.9            | 52.6            |
| 19-Mar-14 | 23:25 | 53.7            | 55.2            | 52.1            |
| 19-Mar-14 | 23:30 | 53.8            | 54.9            | 52.3            |
| 19-Mar-14 | 23:35 | 54.7            | 56.5            | 52.4            |
| 19-Mar-14 | 23:40 | 55.8            | 56.8            | 53.2            |
| 19-Mar-14 | 23:45 | 59.0            | 59.0            | 53.1            |
| 19-Mar-14 | 23:50 | 56.6            | 56.4            | 52.0            |
| 19-Mar-14 | 23:55 | 53.0            | 54.6            | 51.5            |

Mean            51.8            52.8            49.6  
 Maximum        59.0            59.0            53.2  
 Minimum        49.3            50.5            48.0

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 20-Mar-14 | 0:00  | 53.3            | 54.5            | 51.5            |
| 20-Mar-14 | 0:05  | 53.9            | 55.0            | 52.5            |
| 20-Mar-14 | 0:10  | 53.5            | 54.7            | 52.2            |
| 20-Mar-14 | 0:15  | 53.5            | 54.6            | 52.2            |
| 20-Mar-14 | 0:20  | 53.7            | 54.9            | 52.2            |
| 20-Mar-14 | 0:25  | 53.7            | 54.8            | 52.4            |
| 20-Mar-14 | 0:30  | 54.1            | 55.2            | 53.0            |
| 20-Mar-14 | 0:35  | 54.4            | 55.5            | 53.1            |
| 20-Mar-14 | 0:40  | 55.2            | 56.2            | 53.3            |
| 20-Mar-14 | 0:45  | 53.7            | 54.8            | 52.4            |
| 20-Mar-14 | 0:50  | 52.8            | 53.9            | 51.4            |
| 20-Mar-14 | 0:55  | 52.4            | 53.7            | 51.0            |
| 20-Mar-14 | 1:00  | 51.5            | 52.8            | 50.0            |
| 20-Mar-14 | 1:05  | 51.5            | 52.6            | 50.3            |
| 20-Mar-14 | 1:10  | 52.2            | 53.6            | 51.0            |
| 20-Mar-14 | 1:15  | 52.0            | 53.2            | 50.8            |
| 20-Mar-14 | 1:20  | 52.2            | 53.5            | 50.6            |
| 20-Mar-14 | 1:25  | 52.4            | 53.5            | 50.7            |
| 20-Mar-14 | 1:30  | 52.3            | 53.8            | 50.8            |
| 20-Mar-14 | 1:35  | 51.6            | 52.7            | 50.5            |
| 20-Mar-14 | 1:40  | 50.9            | 51.9            | 49.6            |
| 20-Mar-14 | 1:45  | 50.7            | 51.9            | 49.3            |
| 20-Mar-14 | 1:50  | 50.5            | 51.7            | 49.2            |
| 20-Mar-14 | 1:55  | 51.0            | 52.7            | 49.2            |
| 20-Mar-14 | 2:00  | 50.8            | 52.3            | 49.1            |
| 20-Mar-14 | 2:05  | 54.7            | 53.0            | 49.3            |
| 20-Mar-14 | 2:10  | 52.9            | 53.4            | 49.4            |
| 20-Mar-14 | 2:15  | 49.9            | 50.9            | 49.0            |
| 20-Mar-14 | 2:20  | 49.9            | 51.3            | 48.4            |
| 20-Mar-14 | 2:25  | 50.4            | 51.7            | 49.0            |
| 20-Mar-14 | 2:30  | 51.4            | 52.7            | 49.6            |
| 20-Mar-14 | 2:35  | 50.9            | 51.9            | 49.3            |
| 20-Mar-14 | 2:40  | 50.1            | 50.9            | 49.1            |
| 20-Mar-14 | 2:45  | 50.2            | 51.3            | 49.0            |
| 20-Mar-14 | 2:50  | 50.5            | 51.7            | 49.2            |
| 20-Mar-14 | 2:55  | 50.8            | 51.8            | 49.4            |
| 20-Mar-14 | 3:00  | 51.0            | 51.9            | 50.0            |
| 20-Mar-14 | 3:05  | 50.6            | 51.9            | 49.2            |
| 20-Mar-14 | 3:10  | 50.4            | 51.7            | 49.1            |
| 20-Mar-14 | 3:15  | 51.1            | 52.2            | 49.1            |
| 20-Mar-14 | 3:20  | 51.0            | 51.9            | 49.9            |
| 20-Mar-14 | 3:25  | 51.3            | 52.9            | 49.4            |
| 20-Mar-14 | 3:30  | 50.8            | 51.8            | 49.5            |
| 20-Mar-14 | 3:35  | 50.8            | 51.9            | 49.3            |
| 20-Mar-14 | 3:40  | 50.3            | 51.4            | 49.1            |
| 20-Mar-14 | 3:45  | 50.0            | 51.4            | 48.5            |
| 20-Mar-14 | 3:50  | 50.2            | 51.3            | 49.1            |
| 20-Mar-14 | 3:55  | 52.7            | 52.6            | 49.3            |
| 20-Mar-14 | 4:00  | 50.3            | 51.5            | 49.1            |
| 20-Mar-14 | 4:05  | 49.7            | 50.8            | 48.5            |
| 20-Mar-14 | 4:10  | 50.0            | 51.4            | 48.4            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 20-Mar-14 | 4:15  | 51.3            | 53.2            | 48.4            |
| 20-Mar-14 | 4:20  | 50.0            | 51.3            | 48.6            |
| 20-Mar-14 | 4:25  | 49.8            | 50.9            | 48.5            |
| 20-Mar-14 | 4:30  | 49.7            | 50.8            | 48.5            |
| 20-Mar-14 | 4:35  | 50.6            | 52.3            | 49.0            |
| 20-Mar-14 | 4:40  | 50.5            | 51.8            | 49.0            |
| 20-Mar-14 | 4:45  | 50.0            | 51.1            | 48.8            |
| 20-Mar-14 | 4:50  | 50.3            | 51.5            | 49.0            |
| 20-Mar-14 | 4:55  | 50.2            | 51.3            | 49.1            |
| 20-Mar-14 | 5:00  | 50.3            | 51.8            | 48.4            |
| 20-Mar-14 | 5:05  | 49.4            | 50.1            | 48.3            |
| 20-Mar-14 | 5:10  | 51.0            | 52.7            | 49.2            |
| 20-Mar-14 | 5:15  | 51.2            | 52.5            | 49.0            |
| 20-Mar-14 | 5:20  | 50.4            | 51.6            | 49.2            |
| 20-Mar-14 | 5:25  | 51.4            | 52.7            | 49.5            |
| 20-Mar-14 | 5:30  | 50.5            | 51.5            | 49.2            |
| 20-Mar-14 | 5:35  | 50.7            | 51.8            | 49.3            |
| 20-Mar-14 | 5:40  | 50.8            | 51.9            | 49.4            |
| 20-Mar-14 | 5:45  | 51.5            | 53.3            | 49.8            |
| 20-Mar-14 | 5:50  | 51.8            | 53.3            | 50.1            |
| 20-Mar-14 | 5:55  | 52.8            | 54.3            | 50.8            |
| 20-Mar-14 | 6:00  | 53.2            | 55.6            | 50.7            |
| 20-Mar-14 | 6:05  | 52.0            | 53.6            | 50.3            |
| 20-Mar-14 | 6:10  | 52.5            | 53.8            | 51.1            |
| 20-Mar-14 | 6:15  | 53.2            | 54.5            | 51.1            |
| 20-Mar-14 | 6:20  | 53.0            | 54.2            | 51.6            |
| 20-Mar-14 | 6:25  | 53.1            | 54.6            | 51.3            |
| 20-Mar-14 | 6:30  | 54.6            | 56.1            | 52.1            |
| 20-Mar-14 | 6:35  | 54.1            | 55.8            | 52.1            |
| 20-Mar-14 | 6:40  | 55.3            | 57.8            | 52.3            |
| 20-Mar-14 | 6:45  | 55.3            | 57.0            | 53.2            |
| 20-Mar-14 | 6:50  | 54.4            | 55.7            | 52.5            |
| 20-Mar-14 | 6:55  | 56.3            | 58.8            | 53.1            |
| 20-Mar-14 | 23:00 | 53.1            | 54.4            | 50.6            |
| 20-Mar-14 | 23:05 | 52.4            | 53.8            | 50.8            |
| 20-Mar-14 | 23:10 | 51.6            | 52.9            | 50.1            |
| 20-Mar-14 | 23:15 | 53.0            | 54.5            | 50.4            |
| 20-Mar-14 | 23:20 | 51.9            | 53.4            | 50.3            |
| 20-Mar-14 | 23:25 | 51.9            | 53.4            | 50.1            |
| 20-Mar-14 | 23:30 | 51.4            | 52.6            | 50.0            |
| 20-Mar-14 | 23:35 | 52.2            | 54.0            | 50.1            |
| 20-Mar-14 | 23:40 | 52.2            | 53.7            | 50.2            |
| 20-Mar-14 | 23:45 | 52.7            | 54.9            | 50.1            |
| 20-Mar-14 | 23:50 | 52.1            | 53.9            | 50.1            |
| 20-Mar-14 | 23:55 | 52.8            | 54.2            | 50.1            |

Mean 52.1 53.1 50.1  
 Maximum 56.3 58.8 53.3  
 Minimum 49.4 50.1 48.3

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 21-Mar-14 | 0:00  | 51.9            | 52.9            | 49.5            |
| 21-Mar-14 | 0:05  | 51.7            | 53.2            | 50.0            |
| 21-Mar-14 | 0:10  | 51.3            | 52.7            | 49.5            |
| 21-Mar-14 | 0:15  | 50.6            | 52.1            | 49.0            |
| 21-Mar-14 | 0:20  | 51.2            | 52.4            | 50.0            |
| 21-Mar-14 | 0:25  | 51.7            | 53.4            | 50.0            |
| 21-Mar-14 | 0:30  | 50.3            | 51.5            | 49.0            |
| 21-Mar-14 | 0:35  | 50.9            | 51.9            | 49.5            |
| 21-Mar-14 | 0:40  | 50.5            | 51.7            | 49.2            |
| 21-Mar-14 | 0:45  | 50.4            | 51.7            | 49.0            |
| 21-Mar-14 | 0:50  | 50.5            | 51.7            | 49.2            |
| 21-Mar-14 | 0:55  | 50.3            | 51.8            | 48.6            |
| 21-Mar-14 | 1:00  | 50.7            | 51.9            | 48.4            |
| 21-Mar-14 | 1:05  | 49.8            | 51.3            | 48.3            |
| 21-Mar-14 | 1:10  | 49.7            | 50.9            | 48.0            |
| 21-Mar-14 | 1:15  | 49.6            | 50.9            | 48.0            |
| 21-Mar-14 | 1:20  | 49.9            | 51.2            | 48.2            |
| 21-Mar-14 | 1:25  | 50.0            | 51.0            | 48.0            |
| 21-Mar-14 | 1:30  | 49.1            | 50.3            | 48.0            |
| 21-Mar-14 | 1:35  | 50.1            | 51.5            | 48.5            |
| 21-Mar-14 | 1:40  | 49.2            | 50.6            | 48.0            |
| 21-Mar-14 | 1:45  | 49.2            | 50.5            | 47.7            |
| 21-Mar-14 | 1:50  | 50.4            | 51.8            | 48.3            |
| 21-Mar-14 | 1:55  | 53.0            | 54.7            | 48.7            |
| 21-Mar-14 | 2:00  | 50.5            | 51.1            | 48.1            |
| 21-Mar-14 | 2:05  | 50.2            | 52.1            | 48.1            |
| 21-Mar-14 | 2:10  | 50.4            | 51.9            | 48.5            |
| 21-Mar-14 | 2:15  | 50.6            | 53.2            | 48.2            |
| 21-Mar-14 | 2:20  | 49.2            | 50.6            | 48.0            |
| 21-Mar-14 | 2:25  | 49.5            | 50.9            | 48.1            |
| 21-Mar-14 | 2:30  | 49.2            | 50.6            | 48.0            |
| 21-Mar-14 | 2:35  | 49.1            | 50.2            | 47.9            |
| 21-Mar-14 | 2:40  | 49.3            | 50.5            | 47.9            |
| 21-Mar-14 | 2:45  | 49.7            | 50.9            | 48.2            |
| 21-Mar-14 | 2:50  | 48.7            | 49.7            | 47.6            |
| 21-Mar-14 | 2:55  | 49.4            | 51.0            | 47.5            |
| 21-Mar-14 | 3:00  | 48.7            | 49.9            | 47.2            |
| 21-Mar-14 | 3:05  | 49.4            | 51.1            | 47.6            |
| 21-Mar-14 | 3:10  | 50.4            | 51.7            | 47.4            |
| 21-Mar-14 | 3:15  | 49.5            | 50.8            | 47.2            |
| 21-Mar-14 | 3:20  | 48.9            | 50.1            | 47.3            |
| 21-Mar-14 | 3:25  | 50.2            | 52.0            | 47.3            |
| 21-Mar-14 | 3:30  | 48.3            | 49.5            | 47.1            |
| 21-Mar-14 | 3:35  | 48.3            | 49.5            | 47.0            |
| 21-Mar-14 | 3:40  | 48.5            | 49.8            | 47.0            |
| 21-Mar-14 | 3:45  | 48.7            | 50.1            | 46.4            |
| 21-Mar-14 | 3:50  | 49.2            | 50.7            | 47.5            |
| 21-Mar-14 | 3:55  | 49.2            | 50.6            | 47.6            |
| 21-Mar-14 | 4:00  | 48.7            | 49.9            | 47.3            |
| 21-Mar-14 | 4:05  | 49.0            | 50.4            | 47.2            |
| 21-Mar-14 | 4:10  | 48.1            | 49.4            | 46.8            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 21-Mar-14 | 4:15  | 49.2            | 50.9            | 47.1            |
| 21-Mar-14 | 4:20  | 48.6            | 49.8            | 47.1            |
| 21-Mar-14 | 4:25  | 49.8            | 52.3            | 47.4            |
| 21-Mar-14 | 4:30  | 48.9            | 50.1            | 47.4            |
| 21-Mar-14 | 4:35  | 48.2            | 49.4            | 47.0            |
| 21-Mar-14 | 4:40  | 48.6            | 49.9            | 47.1            |
| 21-Mar-14 | 4:45  | 48.8            | 50.4            | 47.1            |
| 21-Mar-14 | 4:50  | 48.7            | 49.8            | 47.2            |
| 21-Mar-14 | 4:55  | 48.3            | 49.5            | 47.0            |
| 21-Mar-14 | 5:00  | 48.7            | 49.8            | 47.3            |
| 21-Mar-14 | 5:05  | 49.3            | 50.5            | 47.4            |
| 21-Mar-14 | 5:10  | 48.8            | 49.9            | 47.3            |
| 21-Mar-14 | 5:15  | 49.5            | 51.1            | 47.8            |
| 21-Mar-14 | 5:20  | 49.2            | 50.8            | 47.2            |
| 21-Mar-14 | 5:25  | 49.2            | 50.7            | 47.5            |
| 21-Mar-14 | 5:30  | 49.1            | 50.6            | 47.2            |
| 21-Mar-14 | 5:35  | 49.9            | 51.1            | 47.8            |
| 21-Mar-14 | 5:40  | 50.1            | 51.4            | 48.0            |
| 21-Mar-14 | 5:45  | 49.7            | 50.9            | 48.2            |
| 21-Mar-14 | 5:50  | 51.0            | 52.8            | 48.3            |
| 21-Mar-14 | 5:55  | 50.7            | 52.5            | 48.5            |
| 21-Mar-14 | 6:00  | 51.3            | 52.9            | 49.2            |
| 21-Mar-14 | 6:05  | 52.4            | 54.6            | 49.2            |
| 21-Mar-14 | 6:10  | 50.9            | 52.4            | 49.0            |
| 21-Mar-14 | 6:15  | 52.4            | 53.9            | 49.5            |
| 21-Mar-14 | 6:20  | 51.1            | 52.2            | 49.3            |
| 21-Mar-14 | 6:25  | 51.1            | 52.7            | 49.5            |
| 21-Mar-14 | 6:30  | 52.7            | 53.7            | 50.4            |
| 21-Mar-14 | 6:35  | 53.6            | 55.1            | 50.8            |
| 21-Mar-14 | 6:40  | 53.0            | 54.3            | 50.2            |
| 21-Mar-14 | 6:45  | 53.3            | 54.9            | 51.3            |
| 21-Mar-14 | 6:50  | 52.0            | 53.4            | 50.3            |
| 21-Mar-14 | 6:55  | 54.4            | 55.8            | 51.2            |
| 21-Mar-14 | 23:00 | 53.7            | 55.2            | 51.5            |
| 21-Mar-14 | 23:05 | 53.0            | 54.4            | 51.2            |
| 21-Mar-14 | 23:10 | 52.6            | 54.0            | 51.0            |
| 21-Mar-14 | 23:15 | 52.4            | 53.7            | 50.9            |
| 21-Mar-14 | 23:20 | 52.7            | 53.9            | 51.2            |
| 21-Mar-14 | 23:25 | 53.2            | 54.8            | 51.4            |
| 21-Mar-14 | 23:30 | 54.2            | 55.9            | 51.4            |
| 21-Mar-14 | 23:35 | 52.9            | 54.6            | 51.0            |
| 21-Mar-14 | 23:40 | 52.8            | 54.1            | 51.1            |
| 21-Mar-14 | 23:45 | 53.7            | 55.4            | 51.6            |
| 21-Mar-14 | 23:50 | 54.4            | 55.3            | 51.2            |
| 21-Mar-14 | 23:55 | 51.4            | 52.7            | 50.0            |

Mean 50.8 51.8 48.6  
 Maximum 54.4 55.9 51.6  
 Minimum 48.1 49.4 46.4

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 22-Mar-14 | 0:00  | 52.2            | 53.6            | 50.5            |
| 22-Mar-14 | 0:05  | 52.1            | 53.7            | 50.4            |
| 22-Mar-14 | 0:10  | 51.1            | 52.4            | 49.6            |
| 22-Mar-14 | 0:15  | 51.3            | 52.5            | 50.0            |
| 22-Mar-14 | 0:20  | 51.6            | 52.9            | 50.0            |
| 22-Mar-14 | 0:25  | 51.9            | 53.6            | 49.9            |
| 22-Mar-14 | 0:30  | 51.6            | 52.8            | 50.1            |
| 22-Mar-14 | 0:35  | 51.9            | 53.7            | 49.6            |
| 22-Mar-14 | 0:40  | 53.7            | 55.7            | 50.3            |
| 22-Mar-14 | 0:45  | 51.1            | 52.6            | 49.3            |
| 22-Mar-14 | 0:50  | 50.8            | 51.9            | 49.3            |
| 22-Mar-14 | 0:55  | 51.1            | 52.4            | 49.7            |
| 22-Mar-14 | 1:00  | 51.6            | 53.4            | 49.5            |
| 22-Mar-14 | 1:05  | 52.2            | 52.9            | 49.3            |
| 22-Mar-14 | 1:10  | 50.2            | 51.3            | 49.0            |
| 22-Mar-14 | 1:15  | 51.4            | 52.8            | 49.3            |
| 22-Mar-14 | 1:20  | 50.9            | 52.3            | 49.3            |
| 22-Mar-14 | 1:25  | 50.3            | 51.7            | 48.7            |
| 22-Mar-14 | 1:30  | 51.1            | 52.9            | 49.0            |
| 22-Mar-14 | 1:35  | 51.1            | 52.3            | 49.4            |
| 22-Mar-14 | 1:40  | 49.8            | 50.9            | 48.3            |
| 22-Mar-14 | 1:45  | 50.4            | 52.2            | 48.5            |
| 22-Mar-14 | 1:50  | 50.7            | 51.9            | 49.0            |
| 22-Mar-14 | 1:55  | 50.4            | 51.7            | 49.0            |
| 22-Mar-14 | 2:00  | 49.5            | 50.7            | 48.2            |
| 22-Mar-14 | 2:05  | 50.2            | 51.6            | 48.4            |
| 22-Mar-14 | 2:10  | 50.8            | 52.5            | 49.1            |
| 22-Mar-14 | 2:15  | 51.1            | 52.9            | 49.2            |
| 22-Mar-14 | 2:20  | 51.3            | 54.2            | 48.4            |
| 22-Mar-14 | 2:25  | 50.3            | 51.7            | 48.6            |
| 22-Mar-14 | 2:30  | 49.5            | 50.7            | 48.1            |
| 22-Mar-14 | 2:35  | 50.4            | 51.8            | 49.0            |
| 22-Mar-14 | 2:40  | 50.3            | 51.9            | 48.6            |
| 22-Mar-14 | 2:45  | 50.0            | 51.3            | 48.4            |
| 22-Mar-14 | 2:50  | 50.0            | 51.3            | 48.5            |
| 22-Mar-14 | 2:55  | 50.7            | 52.3            | 49.1            |
| 22-Mar-14 | 3:00  | 50.0            | 51.4            | 48.6            |
| 22-Mar-14 | 3:05  | 50.4            | 51.8            | 48.8            |
| 22-Mar-14 | 3:10  | 54.0            | 55.7            | 49.1            |
| 22-Mar-14 | 3:15  | 50.1            | 51.2            | 48.3            |
| 22-Mar-14 | 3:20  | 49.8            | 50.9            | 48.4            |
| 22-Mar-14 | 3:25  | 50.5            | 52.0            | 48.3            |
| 22-Mar-14 | 3:30  | 49.8            | 50.9            | 48.3            |
| 22-Mar-14 | 3:35  | 49.9            | 51.5            | 48.2            |
| 22-Mar-14 | 3:40  | 49.8            | 50.9            | 48.3            |
| 22-Mar-14 | 3:45  | 50.2            | 51.3            | 48.0            |
| 22-Mar-14 | 3:50  | 49.2            | 50.4            | 48.1            |
| 22-Mar-14 | 3:55  | 49.8            | 51.2            | 48.2            |
| 22-Mar-14 | 4:00  | 49.6            | 50.8            | 48.3            |
| 22-Mar-14 | 4:05  | 49.4            | 50.8            | 47.8            |
| 22-Mar-14 | 4:10  | 50.0            | 51.7            | 48.1            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 22-Mar-14 | 4:15  | 49.7            | 51.1            | 48.2            |
| 22-Mar-14 | 4:20  | 49.7            | 50.8            | 48.4            |
| 22-Mar-14 | 4:25  | 49.8            | 50.9            | 48.4            |
| 22-Mar-14 | 4:30  | 49.9            | 51.2            | 48.3            |
| 22-Mar-14 | 4:35  | 49.8            | 51.2            | 48.1            |
| 22-Mar-14 | 4:40  | 49.6            | 50.9            | 48.1            |
| 22-Mar-14 | 4:45  | 49.4            | 50.8            | 48.0            |
| 22-Mar-14 | 4:50  | 49.6            | 51.0            | 48.0            |
| 22-Mar-14 | 4:55  | 50.3            | 51.7            | 48.7            |
| 22-Mar-14 | 5:00  | 49.5            | 50.8            | 48.0            |
| 22-Mar-14 | 5:05  | 49.3            | 50.9            | 47.4            |
| 22-Mar-14 | 5:10  | 49.5            | 50.7            | 48.1            |
| 22-Mar-14 | 5:15  | 50.4            | 52.0            | 48.6            |
| 22-Mar-14 | 5:20  | 50.0            | 51.0            | 48.3            |
| 22-Mar-14 | 5:25  | 50.5            | 52.0            | 48.5            |
| 22-Mar-14 | 5:30  | 50.0            | 51.4            | 48.4            |
| 22-Mar-14 | 5:35  | 50.9            | 52.7            | 48.4            |
| 22-Mar-14 | 5:40  | 49.9            | 51.5            | 48.2            |
| 22-Mar-14 | 5:45  | 50.0            | 51.3            | 48.4            |
| 22-Mar-14 | 5:50  | 50.6            | 52.1            | 48.7            |
| 22-Mar-14 | 5:55  | 53.7            | 55.1            | 49.1            |
| 22-Mar-14 | 6:00  | 52.8            | 53.7            | 50.2            |
| 22-Mar-14 | 6:05  | 51.8            | 52.1            | 49.2            |
| 22-Mar-14 | 6:10  | 52.2            | 54.2            | 50.1            |
| 22-Mar-14 | 6:15  | 51.1            | 52.4            | 49.6            |
| 22-Mar-14 | 6:20  | 51.5            | 52.8            | 50.1            |
| 22-Mar-14 | 6:25  | 53.2            | 55.0            | 49.9            |
| 22-Mar-14 | 6:30  | 52.1            | 53.6            | 50.0            |
| 22-Mar-14 | 6:35  | 51.6            | 53.0            | 50.0            |
| 22-Mar-14 | 6:40  | 52.1            | 53.6            | 50.3            |
| 22-Mar-14 | 6:45  | 53.8            | 55.5            | 51.2            |
| 22-Mar-14 | 6:50  | 53.3            | 54.4            | 51.3            |
| 22-Mar-14 | 6:55  | 56.3            | 59.9            | 51.6            |
| 22-Mar-14 | 23:00 | 55.0            | 56.8            | 52.8            |
| 22-Mar-14 | 23:05 | 54.8            | 56.3            | 52.2            |
| 22-Mar-14 | 23:10 | 54.6            | 56.6            | 52.2            |
| 22-Mar-14 | 23:15 | 55.2            | 57.4            | 52.3            |
| 22-Mar-14 | 23:20 | 54.6            | 56.2            | 52.2            |
| 22-Mar-14 | 23:25 | 54.1            | 55.7            | 51.9            |
| 22-Mar-14 | 23:30 | 54.2            | 55.9            | 52.1            |
| 22-Mar-14 | 23:35 | 54.0            | 55.9            | 51.5            |
| 22-Mar-14 | 23:40 | 53.7            | 55.2            | 52.0            |
| 22-Mar-14 | 23:45 | 54.1            | 55.8            | 51.5            |
| 22-Mar-14 | 23:50 | 54.0            | 55.4            | 51.9            |
| 22-Mar-14 | 23:55 | 52.6            | 53.9            | 51.1            |

Mean                    51.6                    52.7                    49.3  
 Maximum                56.3                    59.9                    52.8  
 Minimum                49.2                    50.4                    47.4

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 23-Mar-14 | 0:00  | 53.5            | 54.9            | 51.1            |
| 23-Mar-14 | 0:05  | 53.0            | 54.7            | 50.7            |
| 23-Mar-14 | 0:10  | 53.0            | 54.6            | 51.2            |
| 23-Mar-14 | 0:15  | 54.0            | 55.7            | 51.5            |
| 23-Mar-14 | 0:20  | 52.8            | 54.6            | 51.1            |
| 23-Mar-14 | 0:25  | 53.7            | 55.9            | 50.5            |
| 23-Mar-14 | 0:30  | 53.0            | 53.9            | 51.0            |
| 23-Mar-14 | 0:35  | 52.9            | 54.6            | 51.1            |
| 23-Mar-14 | 0:40  | 53.3            | 54.9            | 51.2            |
| 23-Mar-14 | 0:45  | 52.3            | 53.8            | 50.4            |
| 23-Mar-14 | 0:50  | 52.8            | 54.7            | 50.2            |
| 23-Mar-14 | 0:55  | 52.5            | 54.5            | 50.2            |
| 23-Mar-14 | 1:00  | 52.1            | 53.7            | 50.1            |
| 23-Mar-14 | 1:05  | 51.9            | 53.3            | 50.4            |
| 23-Mar-14 | 1:10  | 52.3            | 53.8            | 50.6            |
| 23-Mar-14 | 1:15  | 51.6            | 52.9            | 50.2            |
| 23-Mar-14 | 1:20  | 52.6            | 54.4            | 50.6            |
| 23-Mar-14 | 1:25  | 52.5            | 54.3            | 50.3            |
| 23-Mar-14 | 1:30  | 51.4            | 53.0            | 49.9            |
| 23-Mar-14 | 1:35  | 51.0            | 52.6            | 49.2            |
| 23-Mar-14 | 1:40  | 51.7            | 53.5            | 49.2            |
| 23-Mar-14 | 1:45  | 52.0            | 53.4            | 50.0            |
| 23-Mar-14 | 1:50  | 51.8            | 53.2            | 50.0            |
| 23-Mar-14 | 1:55  | 51.4            | 52.8            | 49.6            |
| 23-Mar-14 | 2:00  | 51.5            | 52.9            | 50.0            |
| 23-Mar-14 | 2:05  | 51.1            | 52.2            | 49.8            |
| 23-Mar-14 | 2:10  | 51.2            | 52.9            | 49.1            |
| 23-Mar-14 | 2:15  | 51.3            | 53.1            | 49.4            |
| 23-Mar-14 | 2:20  | 53.5            | 52.5            | 49.4            |
| 23-Mar-14 | 2:25  | 51.3            | 52.8            | 49.4            |
| 23-Mar-14 | 2:30  | 52.3            | 54.0            | 50.1            |
| 23-Mar-14 | 2:35  | 51.7            | 52.9            | 50.2            |
| 23-Mar-14 | 2:40  | 52.4            | 54.0            | 50.1            |
| 23-Mar-14 | 2:45  | 53.1            | 54.4            | 50.3            |
| 23-Mar-14 | 2:50  | 51.4            | 52.8            | 49.9            |
| 23-Mar-14 | 2:55  | 51.2            | 52.7            | 49.5            |
| 23-Mar-14 | 3:00  | 51.2            | 52.7            | 49.2            |
| 23-Mar-14 | 3:05  | 50.4            | 51.6            | 49.0            |
| 23-Mar-14 | 3:10  | 51.8            | 54.2            | 49.5            |
| 23-Mar-14 | 3:15  | 51.3            | 52.8            | 49.4            |
| 23-Mar-14 | 3:20  | 51.2            | 52.7            | 49.1            |
| 23-Mar-14 | 3:25  | 50.9            | 52.4            | 49.2            |
| 23-Mar-14 | 3:30  | 52.3            | 54.5            | 49.0            |
| 23-Mar-14 | 3:35  | 52.8            | 53.7            | 49.7            |
| 23-Mar-14 | 3:40  | 50.9            | 52.4            | 48.7            |
| 23-Mar-14 | 3:45  | 50.5            | 52.0            | 48.9            |
| 23-Mar-14 | 3:50  | 50.7            | 52.4            | 48.9            |
| 23-Mar-14 | 3:55  | 50.7            | 52.5            | 48.6            |
| 23-Mar-14 | 4:00  | 51.3            | 53.3            | 48.8            |
| 23-Mar-14 | 4:05  | 50.0            | 51.7            | 48.2            |
| 23-Mar-14 | 4:10  | 50.9            | 52.9            | 48.5            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 23-Mar-14 | 4:15  | 50.8            | 52.5            | 48.9            |
| 23-Mar-14 | 4:20  | 50.6            | 51.9            | 48.6            |
| 23-Mar-14 | 4:25  | 50.2            | 51.8            | 48.3            |
| 23-Mar-14 | 4:30  | 51.9            | 53.1            | 49.0            |
| 23-Mar-14 | 4:35  | 50.6            | 52.3            | 48.5            |
| 23-Mar-14 | 4:40  | 50.6            | 52.9            | 48.3            |
| 23-Mar-14 | 4:45  | 50.0            | 51.3            | 48.4            |
| 23-Mar-14 | 4:50  | 49.8            | 51.0            | 48.3            |
| 23-Mar-14 | 4:55  | 50.2            | 51.6            | 48.5            |
| 23-Mar-14 | 5:00  | 50.3            | 52.2            | 48.1            |
| 23-Mar-14 | 5:05  | 49.4            | 50.7            | 48.0            |
| 23-Mar-14 | 5:10  | 50.7            | 52.1            | 48.5            |
| 23-Mar-14 | 5:15  | 50.7            | 51.8            | 49.0            |
| 23-Mar-14 | 5:20  | 50.2            | 51.8            | 48.3            |
| 23-Mar-14 | 5:25  | 50.2            | 51.7            | 48.3            |
| 23-Mar-14 | 5:30  | 50.6            | 52.6            | 48.1            |
| 23-Mar-14 | 5:35  | 50.5            | 51.7            | 48.4            |
| 23-Mar-14 | 5:40  | 51.6            | 53.7            | 49.0            |
| 23-Mar-14 | 5:45  | 50.4            | 52.3            | 48.1            |
| 23-Mar-14 | 5:50  | 50.5            | 51.9            | 48.5            |
| 23-Mar-14 | 5:55  | 50.4            | 51.6            | 48.6            |
| 23-Mar-14 | 6:00  | 50.5            | 51.8            | 48.9            |
| 23-Mar-14 | 6:05  | 50.4            | 51.8            | 48.8            |
| 23-Mar-14 | 6:10  | 52.6            | 54.6            | 50.2            |
| 23-Mar-14 | 6:15  | 52.8            | 54.6            | 50.0            |
| 23-Mar-14 | 6:20  | 52.6            | 54.9            | 49.8            |
| 23-Mar-14 | 6:25  | 51.8            | 53.4            | 50.0            |
| 23-Mar-14 | 6:30  | 52.0            | 53.8            | 49.5            |
| 23-Mar-14 | 6:35  | 53.6            | 55.2            | 50.4            |
| 23-Mar-14 | 6:40  | 51.9            | 53.3            | 50.2            |
| 23-Mar-14 | 6:45  | 52.4            | 54.5            | 50.3            |
| 23-Mar-14 | 6:50  | 56.6            | 57.4            | 50.6            |
| 23-Mar-14 | 6:55  | 52.5            | 53.7            | 50.3            |
| 23-Mar-14 | 23:00 | 54.5            | 57.2            | 51.7            |
| 23-Mar-14 | 23:05 | 53.4            | 54.1            | 51.0            |
| 23-Mar-14 | 23:10 | 54.0            | 55.3            | 51.8            |
| 23-Mar-14 | 23:15 | 53.9            | 54.9            | 51.7            |
| 23-Mar-14 | 23:20 | 53.2            | 54.9            | 50.9            |
| 23-Mar-14 | 23:25 | 52.9            | 54.6            | 51.1            |
| 23-Mar-14 | 23:30 | 52.9            | 54.6            | 51.0            |
| 23-Mar-14 | 23:35 | 52.8            | 54.6            | 50.6            |
| 23-Mar-14 | 23:40 | 52.9            | 54.7            | 50.7            |
| 23-Mar-14 | 23:45 | 53.2            | 54.3            | 50.7            |
| 23-Mar-14 | 23:50 | 52.2            | 53.8            | 50.5            |
| 23-Mar-14 | 23:55 | 52.6            | 53.8            | 50.6            |

Mean                    52.0                    53.4                    49.7  
 Maximum                56.6                    57.4                    51.8  
 Minimum                49.4                    50.7                    48.0

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 24-Mar-14 | 0:00  | 51.7            | 53.2            | 50.1            |
| 24-Mar-14 | 0:05  | 52.5            | 54.3            | 50.2            |
| 24-Mar-14 | 0:10  | 52.0            | 53.3            | 50.5            |
| 24-Mar-14 | 0:15  | 52.9            | 54.7            | 50.4            |
| 24-Mar-14 | 0:20  | 52.0            | 53.3            | 50.3            |
| 24-Mar-14 | 0:25  | 51.9            | 53.7            | 50.0            |
| 24-Mar-14 | 0:30  | 51.4            | 52.8            | 49.6            |
| 24-Mar-14 | 0:35  | 51.1            | 52.6            | 49.5            |
| 24-Mar-14 | 0:40  | 52.2            | 54.2            | 50.0            |
| 24-Mar-14 | 0:45  | 51.7            | 53.6            | 49.5            |
| 24-Mar-14 | 0:50  | 50.9            | 52.1            | 49.4            |
| 24-Mar-14 | 0:55  | 51.4            | 52.9            | 49.6            |
| 24-Mar-14 | 1:00  | 50.9            | 52.1            | 49.2            |
| 24-Mar-14 | 1:05  | 51.7            | 53.6            | 49.1            |
| 24-Mar-14 | 1:10  | 50.8            | 52.3            | 49.2            |
| 24-Mar-14 | 1:15  | 51.6            | 53.3            | 49.4            |
| 24-Mar-14 | 1:20  | 51.1            | 52.5            | 48.4            |
| 24-Mar-14 | 1:25  | 51.0            | 52.4            | 49.0            |
| 24-Mar-14 | 1:30  | 50.8            | 52.4            | 48.5            |
| 24-Mar-14 | 1:35  | 50.8            | 52.4            | 49.1            |
| 24-Mar-14 | 1:40  | 51.3            | 53.7            | 49.1            |
| 24-Mar-14 | 1:45  | 50.5            | 52.1            | 48.4            |
| 24-Mar-14 | 1:50  | 50.2            | 51.6            | 48.4            |
| 24-Mar-14 | 1:55  | 50.7            | 52.4            | 48.4            |
| 24-Mar-14 | 2:00  | 49.7            | 51.5            | 47.8            |
| 24-Mar-14 | 2:05  | 49.3            | 50.6            | 48.0            |
| 24-Mar-14 | 2:10  | 50.6            | 52.4            | 47.4            |
| 24-Mar-14 | 2:15  | 49.3            | 50.8            | 47.3            |
| 24-Mar-14 | 2:20  | 49.3            | 50.8            | 47.5            |
| 24-Mar-14 | 2:25  | 49.6            | 51.3            | 47.6            |
| 24-Mar-14 | 2:30  | 49.2            | 50.6            | 47.5            |
| 24-Mar-14 | 2:35  | 49.1            | 50.4            | 47.6            |
| 24-Mar-14 | 2:40  | 49.7            | 51.2            | 47.5            |
| 24-Mar-14 | 2:45  | 49.7            | 51.4            | 48.0            |
| 24-Mar-14 | 2:50  | 49.0            | 50.4            | 47.4            |
| 24-Mar-14 | 2:55  | 49.2            | 50.6            | 47.5            |
| 24-Mar-14 | 3:00  | 49.0            | 50.3            | 47.5            |
| 24-Mar-14 | 3:05  | 49.0            | 50.2            | 47.6            |
| 24-Mar-14 | 3:10  | 49.9            | 51.5            | 48.0            |
| 24-Mar-14 | 3:15  | 49.2            | 50.6            | 47.6            |
| 24-Mar-14 | 3:20  | 49.8            | 51.5            | 48.0            |
| 24-Mar-14 | 3:25  | 49.7            | 51.4            | 48.0            |
| 24-Mar-14 | 3:30  | 49.2            | 50.7            | 47.5            |
| 24-Mar-14 | 3:35  | 49.3            | 50.5            | 47.4            |
| 24-Mar-14 | 3:40  | 50.2            | 51.2            | 47.4            |
| 24-Mar-14 | 3:45  | 51.5            | 53.8            | 48.0            |
| 24-Mar-14 | 3:50  | 50.5            | 52.3            | 48.1            |
| 24-Mar-14 | 3:55  | 49.9            | 51.5            | 48.2            |
| 24-Mar-14 | 4:00  | 51.1            | 52.9            | 48.9            |
| 24-Mar-14 | 4:05  | 50.3            | 52.4            | 48.0            |
| 24-Mar-14 | 4:10  | 49.8            | 51.4            | 47.9            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 24-Mar-14 | 4:15  | 49.9            | 51.1            | 48.3            |
| 24-Mar-14 | 4:20  | 50.3            | 51.8            | 48.5            |
| 24-Mar-14 | 4:25  | 50.8            | 52.6            | 48.4            |
| 24-Mar-14 | 4:30  | 50.0            | 51.1            | 48.4            |
| 24-Mar-14 | 4:35  | 49.5            | 50.8            | 47.9            |
| 24-Mar-14 | 4:40  | 49.7            | 51.1            | 47.7            |
| 24-Mar-14 | 4:45  | 50.7            | 52.0            | 48.3            |
| 24-Mar-14 | 4:50  | 51.3            | 53.3            | 48.4            |
| 24-Mar-14 | 4:55  | 49.5            | 50.9            | 48.0            |
| 24-Mar-14 | 5:00  | 50.2            | 52.0            | 48.1            |
| 24-Mar-14 | 5:05  | 49.5            | 50.7            | 47.6            |
| 24-Mar-14 | 5:10  | 49.4            | 50.8            | 48.0            |
| 24-Mar-14 | 5:15  | 50.7            | 52.3            | 48.3            |
| 24-Mar-14 | 5:20  | 50.6            | 51.9            | 48.2            |
| 24-Mar-14 | 5:25  | 50.7            | 53.0            | 48.2            |
| 24-Mar-14 | 5:30  | 49.6            | 50.9            | 48.1            |
| 24-Mar-14 | 5:35  | 50.2            | 51.7            | 48.3            |
| 24-Mar-14 | 5:40  | 50.4            | 52.2            | 48.5            |
| 24-Mar-14 | 5:45  | 51.6            | 53.5            | 49.3            |
| 24-Mar-14 | 5:50  | 50.8            | 52.1            | 49.3            |
| 24-Mar-14 | 5:55  | 51.8            | 53.4            | 49.8            |
| 24-Mar-14 | 6:00  | 53.5            | 56.0            | 50.3            |
| 24-Mar-14 | 6:05  | 52.8            | 54.9            | 49.9            |
| 24-Mar-14 | 6:10  | 51.7            | 53.4            | 50.1            |
| 24-Mar-14 | 6:15  | 53.5            | 55.7            | 50.2            |
| 24-Mar-14 | 6:20  | 52.7            | 54.5            | 50.3            |
| 24-Mar-14 | 6:25  | 52.3            | 53.7            | 50.5            |
| 24-Mar-14 | 6:30  | 53.9            | 56.3            | 51.1            |
| 24-Mar-14 | 6:35  | 55.7            | 58.3            | 52.0            |
| 24-Mar-14 | 6:40  | 52.5            | 54.0            | 50.7            |
| 24-Mar-14 | 6:45  | 53.2            | 54.6            | 51.2            |
| 24-Mar-14 | 6:50  | 53.4            | 54.8            | 51.2            |
| 24-Mar-14 | 6:55  | 55.2            | 58.3            | 51.4            |
| 24-Mar-14 | 23:00 | 57.4            | 55.9            | 50.7            |
| 24-Mar-14 | 23:05 | 54.4            | 57.4            | 50.8            |
| 24-Mar-14 | 23:10 | 52.2            | 54.1            | 50.1            |
| 24-Mar-14 | 23:15 | 52.5            | 54.3            | 50.3            |
| 24-Mar-14 | 23:20 | 54.0            | 56.6            | 50.2            |
| 24-Mar-14 | 23:25 | 51.8            | 53.2            | 50.2            |
| 24-Mar-14 | 23:30 | 52.4            | 53.5            | 50.3            |
| 24-Mar-14 | 23:35 | 52.6            | 54.4            | 50.5            |
| 24-Mar-14 | 23:40 | 52.1            | 53.8            | 50.0            |
| 24-Mar-14 | 23:45 | 53.9            | 54.6            | 49.5            |
| 24-Mar-14 | 23:50 | 51.9            | 53.4            | 50.1            |
| 24-Mar-14 | 23:55 | 52.0            | 53.7            | 50.1            |

Mean            51.5            52.8            49.0  
 Maximum        57.4            58.3            52.0  
 Minimum        49.0            50.2            47.3

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 25-Mar-14 | 0:00  | 51.3            | 52.8            | 49.7            |
| 25-Mar-14 | 0:05  | 51.6            | 53.0            | 49.8            |
| 25-Mar-14 | 0:10  | 51.0            | 52.3            | 49.6            |
| 25-Mar-14 | 0:15  | 51.6            | 53.4            | 49.5            |
| 25-Mar-14 | 0:20  | 51.2            | 52.8            | 49.3            |
| 25-Mar-14 | 0:25  | 50.9            | 51.9            | 49.6            |
| 25-Mar-14 | 0:30  | 51.0            | 52.2            | 49.4            |
| 25-Mar-14 | 0:35  | 51.0            | 53.0            | 49.1            |
| 25-Mar-14 | 0:40  | 50.3            | 51.6            | 49.0            |
| 25-Mar-14 | 0:45  | 50.4            | 51.6            | 49.2            |
| 25-Mar-14 | 0:50  | 50.2            | 51.8            | 48.4            |
| 25-Mar-14 | 0:55  | 50.1            | 51.6            | 48.3            |
| 25-Mar-14 | 1:00  | 49.8            | 50.9            | 48.4            |
| 25-Mar-14 | 1:05  | 50.6            | 52.3            | 48.3            |
| 25-Mar-14 | 1:10  | 50.9            | 52.6            | 49.1            |
| 25-Mar-14 | 1:15  | 51.1            | 52.8            | 49.1            |
| 25-Mar-14 | 1:20  | 50.2            | 52.0            | 48.3            |
| 25-Mar-14 | 1:25  | 49.7            | 51.1            | 48.1            |
| 25-Mar-14 | 1:30  | 50.2            | 51.8            | 48.0            |
| 25-Mar-14 | 1:35  | 53.0            | 53.7            | 48.0            |
| 25-Mar-14 | 1:40  | 49.5            | 50.6            | 48.1            |
| 25-Mar-14 | 1:45  | 50.4            | 52.1            | 48.5            |
| 25-Mar-14 | 1:50  | 49.9            | 51.1            | 48.3            |
| 25-Mar-14 | 1:55  | 49.9            | 51.3            | 48.2            |
| 25-Mar-14 | 2:00  | 49.6            | 50.9            | 48.1            |
| 25-Mar-14 | 2:05  | 53.0            | 53.5            | 48.2            |
| 25-Mar-14 | 2:10  | 50.3            | 52.0            | 48.3            |
| 25-Mar-14 | 2:15  | 51.6            | 54.5            | 47.9            |
| 25-Mar-14 | 2:20  | 49.2            | 50.6            | 47.6            |
| 25-Mar-14 | 2:25  | 50.0            | 51.5            | 48.3            |
| 25-Mar-14 | 2:30  | 50.0            | 51.9            | 48.1            |
| 25-Mar-14 | 2:35  | 49.4            | 50.8            | 48.0            |
| 25-Mar-14 | 2:40  | 49.4            | 50.8            | 48.0            |
| 25-Mar-14 | 2:45  | 49.6            | 50.9            | 48.0            |
| 25-Mar-14 | 2:50  | 49.1            | 50.3            | 47.9            |
| 25-Mar-14 | 2:55  | 49.4            | 50.8            | 48.0            |
| 25-Mar-14 | 3:00  | 49.3            | 50.6            | 48.0            |
| 25-Mar-14 | 3:05  | 49.9            | 51.0            | 48.2            |
| 25-Mar-14 | 3:10  | 48.8            | 50.1            | 47.4            |
| 25-Mar-14 | 3:15  | 49.7            | 51.3            | 48.0            |
| 25-Mar-14 | 3:20  | 50.7            | 52.2            | 48.2            |
| 25-Mar-14 | 3:25  | 49.5            | 50.9            | 48.0            |
| 25-Mar-14 | 3:30  | 49.0            | 50.4            | 47.5            |
| 25-Mar-14 | 3:35  | 49.0            | 50.3            | 47.4            |
| 25-Mar-14 | 3:40  | 49.2            | 51.1            | 47.4            |
| 25-Mar-14 | 3:45  | 49.3            | 50.7            | 47.7            |
| 25-Mar-14 | 3:50  | 50.3            | 51.9            | 48.1            |
| 25-Mar-14 | 3:55  | 50.0            | 51.5            | 48.0            |
| 25-Mar-14 | 4:00  | 50.2            | 51.5            | 48.0            |
| 25-Mar-14 | 4:05  | 50.0            | 51.6            | 48.1            |
| 25-Mar-14 | 4:10  | 49.4            | 50.7            | 48.1            |

| Date      | dB(A) |                 |                 |                 |      |
|-----------|-------|-----------------|-----------------|-----------------|------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |      |
| 25-Mar-14 | 4:15  | 49.4            | 50.7            | 48.1            |      |
| 25-Mar-14 | 4:20  | 50.0            | 51.4            | 48.3            |      |
| 25-Mar-14 | 4:25  | 49.3            | 50.8            | 47.6            |      |
| 25-Mar-14 | 4:30  | 49.3            | 51.0            | 47.5            |      |
| 25-Mar-14 | 4:35  | 49.6            | 50.9            | 48.0            |      |
| 25-Mar-14 | 4:40  | 49.9            | 51.2            | 48.0            |      |
| 25-Mar-14 | 4:45  | 50.4            | 52.8            | 47.8            |      |
| 25-Mar-14 | 4:50  | 49.8            | 51.3            | 48.0            |      |
| 25-Mar-14 | 4:55  | 50.5            | 52.0            | 48.3            |      |
| 25-Mar-14 | 5:00  | 49.3            | 50.6            | 47.6            |      |
| 25-Mar-14 | 5:05  | 48.9            | 50.1            | 47.5            |      |
| 25-Mar-14 | 5:10  | 50.6            | 52.1            | 48.4            |      |
| 25-Mar-14 | 5:15  | 49.9            | 51.3            | 48.1            |      |
| 25-Mar-14 | 5:20  | 49.6            | 51.0            | 48.1            |      |
| 25-Mar-14 | 5:25  | 49.9            | 51.3            | 48.3            |      |
| 25-Mar-14 | 5:30  | 50.5            | 52.3            | 48.1            |      |
| 25-Mar-14 | 5:35  | 49.9            | 51.1            | 48.4            |      |
| 25-Mar-14 | 5:40  | 50.8            | 51.8            | 48.6            |      |
| 25-Mar-14 | 5:45  | 51.1            | 52.7            | 49.2            |      |
| 25-Mar-14 | 5:50  | 51.0            | 52.5            | 49.3            |      |
| 25-Mar-14 | 5:55  | 51.0            | 52.5            | 49.3            |      |
| 25-Mar-14 | 6:00  | 50.9            | 52.6            | 49.2            |      |
| 25-Mar-14 | 6:05  | 51.2            | 52.6            | 49.4            |      |
| 25-Mar-14 | 6:10  | 53.0            | 55.6            | 50.2            |      |
| 25-Mar-14 | 6:15  | 52.3            | 53.4            | 50.1            |      |
| 25-Mar-14 | 6:20  | 54.8            | 57.2            | 50.5            |      |
| 25-Mar-14 | 6:25  | 55.2            | 58.8            | 51.0            |      |
| 25-Mar-14 | 6:30  | 54.2            | 56.7            | 51.0            |      |
| 25-Mar-14 | 6:35  | 55.3            | 58.2            | 51.3            |      |
| 25-Mar-14 | 6:40  | 52.7            | 54.3            | 51.0            |      |
| 25-Mar-14 | 6:45  | 53.1            | 54.8            | 51.1            |      |
| 25-Mar-14 | 6:50  | 54.9            | 56.3            | 52.0            |      |
| 25-Mar-14 | 6:55  | 55.0            | 56.8            | 52.2            |      |
| 25-Mar-14 | 23:00 | 52.8            | 54.6            | 50.7            |      |
| 25-Mar-14 | 23:05 | 52.7            | 54.5            | 50.6            |      |
| 25-Mar-14 | 23:10 | 53.3            | 54.7            | 50.7            |      |
| 25-Mar-14 | 23:15 | 53.1            | 54.6            | 51.0            |      |
| 25-Mar-14 | 23:20 | 52.5            | 54.4            | 50.3            |      |
| 25-Mar-14 | 23:25 | 52.6            | 54.3            | 50.3            |      |
| 25-Mar-14 | 23:30 | 52.4            | 54.2            | 50.4            |      |
| 25-Mar-14 | 23:35 | 51.9            | 53.3            | 50.2            |      |
| 25-Mar-14 | 23:40 | 51.7            | 53.0            | 50.0            |      |
| 25-Mar-14 | 23:45 | 51.4            | 52.9            | 49.8            |      |
| 25-Mar-14 | 23:50 | 51.8            | 53.3            | 50.2            |      |
| 25-Mar-14 | 23:55 | 52.2            | 53.1            | 50.0            |      |
|           |       | Mean            | 51.2            | 52.4            | 48.9 |
|           |       | Maximum         | 55.3            | 58.8            | 52.2 |
|           |       | Minimum         | 48.8            | 50.1            | 47.4 |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 26-Mar-14 | 0:00  | 51.6            | 53.1            | 49.8            |
| 26-Mar-14 | 0:05  | 51.3            | 52.6            | 49.9            |
| 26-Mar-14 | 0:10  | 51.1            | 52.6            | 49.3            |
| 26-Mar-14 | 0:15  | 51.0            | 52.4            | 49.4            |
| 26-Mar-14 | 0:20  | 52.6            | 54.4            | 49.3            |
| 26-Mar-14 | 0:25  | 51.3            | 52.6            | 49.9            |
| 26-Mar-14 | 0:30  | 51.8            | 53.5            | 49.5            |
| 26-Mar-14 | 0:35  | 51.4            | 52.9            | 49.3            |
| 26-Mar-14 | 0:40  | 51.1            | 52.5            | 49.4            |
| 26-Mar-14 | 0:45  | 50.7            | 51.8            | 49.2            |
| 26-Mar-14 | 0:50  | 50.8            | 52.3            | 49.2            |
| 26-Mar-14 | 0:55  | 51.3            | 53.0            | 49.2            |
| 26-Mar-14 | 1:00  | 51.0            | 52.5            | 49.0            |
| 26-Mar-14 | 1:05  | 50.8            | 52.3            | 49.1            |
| 26-Mar-14 | 1:10  | 52.1            | 52.9            | 50.6            |
| 26-Mar-14 | 1:15  | 52.1            | 53.3            | 50.0            |
| 26-Mar-14 | 1:20  | 51.7            | 53.2            | 50.0            |
| 26-Mar-14 | 1:25  | 52.3            | 53.5            | 50.2            |
| 26-Mar-14 | 1:30  | 50.5            | 51.7            | 49.2            |
| 26-Mar-14 | 1:35  | 50.4            | 51.6            | 49.2            |
| 26-Mar-14 | 1:40  | 50.5            | 51.9            | 49.0            |
| 26-Mar-14 | 1:45  | 50.4            | 51.6            | 49.1            |
| 26-Mar-14 | 1:50  | 50.6            | 52.0            | 49.2            |
| 26-Mar-14 | 1:55  | 50.0            | 51.4            | 48.4            |
| 26-Mar-14 | 2:00  | 50.4            | 51.7            | 49.0            |
| 26-Mar-14 | 2:05  | 50.9            | 52.7            | 49.0            |
| 26-Mar-14 | 2:10  | 50.5            | 52.2            | 48.3            |
| 26-Mar-14 | 2:15  | 51.0            | 52.3            | 48.8            |
| 26-Mar-14 | 2:20  | 51.4            | 53.3            | 48.3            |
| 26-Mar-14 | 2:25  | 50.1            | 51.5            | 48.4            |
| 26-Mar-14 | 2:30  | 50.1            | 51.8            | 48.1            |
| 26-Mar-14 | 2:35  | 50.5            | 52.0            | 48.9            |
| 26-Mar-14 | 2:40  | 49.3            | 50.5            | 48.2            |
| 26-Mar-14 | 2:45  | 49.9            | 51.8            | 48.1            |
| 26-Mar-14 | 2:50  | 50.3            | 51.8            | 48.3            |
| 26-Mar-14 | 2:55  | 49.3            | 50.8            | 47.7            |
| 26-Mar-14 | 3:00  | 49.4            | 50.7            | 48.1            |
| 26-Mar-14 | 3:05  | 50.0            | 52.0            | 48.0            |
| 26-Mar-14 | 3:10  | 49.9            | 51.2            | 48.2            |
| 26-Mar-14 | 3:15  | 55.5            | 52.3            | 48.1            |
| 26-Mar-14 | 3:20  | 52.5            | 51.6            | 47.8            |
| 26-Mar-14 | 3:25  | 56.2            | 52.0            | 48.2            |
| 26-Mar-14 | 3:30  | 50.1            | 51.4            | 48.2            |
| 26-Mar-14 | 3:35  | 53.0            | 51.9            | 48.4            |
| 26-Mar-14 | 3:40  | 50.3            | 51.8            | 48.2            |
| 26-Mar-14 | 3:45  | 49.5            | 50.5            | 48.0            |
| 26-Mar-14 | 3:50  | 49.0            | 50.1            | 47.8            |
| 26-Mar-14 | 3:55  | 49.5            | 51.1            | 48.1            |
| 26-Mar-14 | 4:00  | 49.3            | 50.6            | 47.9            |
| 26-Mar-14 | 4:05  | 49.3            | 51.1            | 47.5            |
| 26-Mar-14 | 4:10  | 50.2            | 52.4            | 48.1            |

| Date      | dB(A) |                 |                 |                 |      |
|-----------|-------|-----------------|-----------------|-----------------|------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |      |
| 26-Mar-14 | 4:15  | 49.3            | 50.7            | 48.0            |      |
| 26-Mar-14 | 4:20  | 49.6            | 51.3            | 48.0            |      |
| 26-Mar-14 | 4:25  | 49.2            | 50.5            | 47.9            |      |
| 26-Mar-14 | 4:30  | 49.6            | 50.7            | 47.4            |      |
| 26-Mar-14 | 4:35  | 49.3            | 50.7            | 47.8            |      |
| 26-Mar-14 | 4:40  | 49.3            | 50.6            | 48.0            |      |
| 26-Mar-14 | 4:45  | 49.0            | 49.9            | 48.0            |      |
| 26-Mar-14 | 4:50  | 49.4            | 50.9            | 47.8            |      |
| 26-Mar-14 | 4:55  | 49.0            | 49.9            | 47.9            |      |
| 26-Mar-14 | 5:00  | 50.6            | 51.8            | 48.5            |      |
| 26-Mar-14 | 5:05  | 50.7            | 52.5            | 48.2            |      |
| 26-Mar-14 | 5:10  | 49.5            | 50.6            | 48.2            |      |
| 26-Mar-14 | 5:15  | 49.6            | 50.9            | 48.1            |      |
| 26-Mar-14 | 5:20  | 51.1            | 52.9            | 48.7            |      |
| 26-Mar-14 | 5:25  | 49.9            | 51.1            | 48.2            |      |
| 26-Mar-14 | 5:30  | 49.6            | 50.8            | 48.2            |      |
| 26-Mar-14 | 5:35  | 50.6            | 52.4            | 48.6            |      |
| 26-Mar-14 | 5:40  | 50.8            | 52.5            | 48.8            |      |
| 26-Mar-14 | 5:45  | 50.4            | 51.8            | 48.5            |      |
| 26-Mar-14 | 5:50  | 50.7            | 52.2            | 49.0            |      |
| 26-Mar-14 | 5:55  | 52.8            | 54.0            | 48.8            |      |
| 26-Mar-14 | 6:00  | 50.9            | 52.8            | 49.0            |      |
| 26-Mar-14 | 6:05  | 51.6            | 52.9            | 49.4            |      |
| 26-Mar-14 | 6:10  | 52.6            | 54.4            | 49.8            |      |
| 26-Mar-14 | 6:15  | 51.4            | 52.6            | 50.0            |      |
| 26-Mar-14 | 6:20  | 53.2            | 55.0            | 50.0            |      |
| 26-Mar-14 | 6:25  | 52.7            | 53.9            | 50.7            |      |
| 26-Mar-14 | 6:30  | 53.4            | 54.7            | 50.2            |      |
| 26-Mar-14 | 6:35  | 54.3            | 56.4            | 50.3            |      |
| 26-Mar-14 | 6:40  | 52.8            | 54.6            | 50.6            |      |
| 26-Mar-14 | 6:45  | 54.0            | 56.2            | 51.3            |      |
| 26-Mar-14 | 6:50  | 54.9            | 56.6            | 51.3            |      |
| 26-Mar-14 | 6:55  | 54.4            | 56.0            | 51.8            |      |
| 26-Mar-14 | 23:00 | 54.0            | 55.3            | 52.4            |      |
| 26-Mar-14 | 23:05 | 53.1            | 54.8            | 51.2            |      |
| 26-Mar-14 | 23:10 | 52.5            | 53.8            | 51.2            |      |
| 26-Mar-14 | 23:15 | 53.0            | 54.1            | 51.1            |      |
| 26-Mar-14 | 23:20 | 52.7            | 53.9            | 51.2            |      |
| 26-Mar-14 | 23:25 | 52.5            | 53.7            | 51.2            |      |
| 26-Mar-14 | 23:30 | 52.8            | 54.4            | 51.1            |      |
| 26-Mar-14 | 23:35 | 52.7            | 53.9            | 51.1            |      |
| 26-Mar-14 | 23:40 | 52.7            | 54.2            | 50.5            |      |
| 26-Mar-14 | 23:45 | 52.9            | 54.6            | 51.1            |      |
| 26-Mar-14 | 23:50 | 52.6            | 53.9            | 51.0            |      |
| 26-Mar-14 | 23:55 | 53.1            | 54.4            | 50.9            |      |
|           |       | Mean            | 51.5            | 52.5            | 49.2 |
|           |       | Maximum         | 56.2            | 56.6            | 52.4 |
|           |       | Minimum         | 49.0            | 49.9            | 47.4 |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 27-Mar-14 | 0:00  | 52.5            | 53.8            | 50.6            |
| 27-Mar-14 | 0:05  | 52.5            | 53.8            | 51.2            |
| 27-Mar-14 | 0:10  | 52.4            | 53.7            | 50.9            |
| 27-Mar-14 | 0:15  | 52.0            | 53.2            | 50.7            |
| 27-Mar-14 | 0:20  | 59.8            | 63.9            | 52.0            |
| 27-Mar-14 | 0:25  | 52.7            | 54.2            | 50.6            |
| 27-Mar-14 | 0:30  | 52.2            | 53.5            | 50.1            |
| 27-Mar-14 | 0:35  | 52.1            | 53.4            | 50.3            |
| 27-Mar-14 | 0:40  | 52.5            | 54.0            | 50.7            |
| 27-Mar-14 | 0:45  | 52.1            | 53.5            | 50.2            |
| 27-Mar-14 | 0:50  | 51.8            | 52.8            | 50.3            |
| 27-Mar-14 | 0:55  | 51.8            | 53.3            | 49.9            |
| 27-Mar-14 | 1:00  | 51.8            | 53.4            | 50.1            |
| 27-Mar-14 | 1:05  | 51.2            | 52.7            | 49.5            |
| 27-Mar-14 | 1:10  | 51.4            | 52.8            | 50.0            |
| 27-Mar-14 | 1:15  | 51.7            | 53.0            | 50.1            |
| 27-Mar-14 | 1:20  | 51.7            | 52.7            | 50.4            |
| 27-Mar-14 | 1:25  | 52.3            | 54.1            | 50.4            |
| 27-Mar-14 | 1:30  | 52.8            | 53.8            | 51.0            |
| 27-Mar-14 | 1:35  | 53.1            | 54.6            | 51.3            |
| 27-Mar-14 | 1:40  | 52.3            | 53.6            | 50.8            |
| 27-Mar-14 | 1:45  | 51.5            | 52.5            | 50.0            |
| 27-Mar-14 | 1:50  | 52.0            | 53.2            | 50.7            |
| 27-Mar-14 | 1:55  | 52.8            | 54.6            | 50.7            |
| 27-Mar-14 | 2:00  | 52.5            | 54.5            | 50.4            |
| 27-Mar-14 | 2:05  | 51.3            | 52.6            | 50.0            |
| 27-Mar-14 | 2:10  | 51.8            | 52.9            | 50.2            |
| 27-Mar-14 | 2:15  | 52.8            | 54.7            | 50.9            |
| 27-Mar-14 | 2:20  | 52.8            | 54.2            | 51.2            |
| 27-Mar-14 | 2:25  | 52.5            | 53.8            | 51.1            |
| 27-Mar-14 | 2:30  | 52.0            | 53.2            | 50.7            |
| 27-Mar-14 | 2:35  | 51.7            | 52.8            | 50.5            |
| 27-Mar-14 | 2:40  | 51.5            | 52.7            | 50.2            |
| 27-Mar-14 | 2:45  | 51.5            | 52.9            | 50.0            |
| 27-Mar-14 | 2:50  | 51.2            | 52.6            | 49.8            |
| 27-Mar-14 | 2:55  | 51.0            | 52.5            | 49.5            |
| 27-Mar-14 | 3:00  | 50.5            | 51.7            | 49.1            |
| 27-Mar-14 | 3:05  | 50.6            | 51.9            | 49.2            |
| 27-Mar-14 | 3:10  | 50.7            | 51.8            | 49.4            |
| 27-Mar-14 | 3:15  | 51.1            | 52.2            | 49.8            |
| 27-Mar-14 | 3:20  | 51.4            | 52.5            | 50.1            |
| 27-Mar-14 | 3:25  | 51.7            | 52.6            | 49.8            |
| 27-Mar-14 | 3:30  | 51.3            | 52.6            | 50.0            |
| 27-Mar-14 | 3:35  | 53.7            | 52.8            | 49.4            |
| 27-Mar-14 | 3:40  | 54.3            | 53.6            | 50.0            |
| 27-Mar-14 | 3:45  | 53.9            | 53.0            | 49.4            |
| 27-Mar-14 | 3:50  | 51.0            | 52.1            | 49.6            |
| 27-Mar-14 | 3:55  | 51.3            | 52.4            | 49.7            |
| 27-Mar-14 | 4:00  | 51.1            | 52.4            | 49.8            |
| 27-Mar-14 | 4:05  | 51.3            | 53.0            | 49.5            |
| 27-Mar-14 | 4:10  | 51.3            | 52.8            | 49.6            |

| Date      | dB(A) |                 |                 |                 |      |
|-----------|-------|-----------------|-----------------|-----------------|------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |      |
| 27-Mar-14 | 4:15  | 50.5            | 51.7            | 49.3            |      |
| 27-Mar-14 | 4:20  | 50.7            | 52.4            | 49.1            |      |
| 27-Mar-14 | 4:25  | 50.5            | 51.6            | 49.3            |      |
| 27-Mar-14 | 4:30  | 51.0            | 52.0            | 49.4            |      |
| 27-Mar-14 | 4:35  | 51.2            | 52.4            | 49.8            |      |
| 27-Mar-14 | 4:40  | 51.1            | 52.2            | 50.0            |      |
| 27-Mar-14 | 4:45  | 50.6            | 51.7            | 49.3            |      |
| 27-Mar-14 | 4:50  | 52.0            | 53.2            | 50.0            |      |
| 27-Mar-14 | 4:55  | 50.5            | 51.7            | 49.2            |      |
| 27-Mar-14 | 5:00  | 51.6            | 53.3            | 49.7            |      |
| 27-Mar-14 | 5:05  | 51.1            | 52.2            | 49.9            |      |
| 27-Mar-14 | 5:10  | 51.3            | 52.5            | 49.3            |      |
| 27-Mar-14 | 5:15  | 51.2            | 52.7            | 49.4            |      |
| 27-Mar-14 | 5:20  | 51.2            | 52.3            | 50.1            |      |
| 27-Mar-14 | 5:25  | 51.3            | 52.9            | 49.3            |      |
| 27-Mar-14 | 5:30  | 49.9            | 50.9            | 48.7            |      |
| 27-Mar-14 | 5:35  | 50.7            | 51.9            | 49.2            |      |
| 27-Mar-14 | 5:40  | 50.9            | 52.2            | 49.2            |      |
| 27-Mar-14 | 5:45  | 51.1            | 52.5            | 49.5            |      |
| 27-Mar-14 | 5:50  | 51.6            | 53.4            | 49.3            |      |
| 27-Mar-14 | 5:55  | 51.9            | 53.6            | 50.1            |      |
| 27-Mar-14 | 6:00  | 52.1            | 53.6            | 50.3            |      |
| 27-Mar-14 | 6:05  | 52.2            | 53.6            | 51.0            |      |
| 27-Mar-14 | 6:10  | 53.7            | 55.3            | 51.5            |      |
| 27-Mar-14 | 6:15  | 52.8            | 54.1            | 51.3            |      |
| 27-Mar-14 | 6:20  | 53.0            | 54.4            | 51.0            |      |
| 27-Mar-14 | 6:25  | 53.3            | 54.6            | 51.2            |      |
| 27-Mar-14 | 6:30  | 52.5            | 53.8            | 50.7            |      |
| 27-Mar-14 | 6:35  | 54.9            | 57.5            | 51.2            |      |
| 27-Mar-14 | 6:40  | 54.0            | 55.5            | 51.7            |      |
| 27-Mar-14 | 6:45  | 53.7            | 55.5            | 51.5            |      |
| 27-Mar-14 | 6:50  | 55.1            | 57.4            | 52.0            |      |
| 27-Mar-14 | 6:55  | 54.9            | 56.1            | 52.2            |      |
| 27-Mar-14 | 23:00 | 53.5            | 55.5            | 51.0            |      |
| 27-Mar-14 | 23:05 | 52.7            | 54.3            | 51.0            |      |
| 27-Mar-14 | 23:10 | 52.4            | 53.7            | 51.0            |      |
| 27-Mar-14 | 23:15 | 53.4            | 54.5            | 51.0            |      |
| 27-Mar-14 | 23:20 | 52.9            | 54.7            | 51.1            |      |
| 27-Mar-14 | 23:25 | 54.2            | 56.1            | 51.2            |      |
| 27-Mar-14 | 23:30 | 53.8            | 55.5            | 51.2            |      |
| 27-Mar-14 | 23:35 | 53.5            | 54.1            | 50.4            |      |
| 27-Mar-14 | 23:40 | 53.4            | 55.2            | 50.7            |      |
| 27-Mar-14 | 23:45 | 52.9            | 55.3            | 50.1            |      |
| 27-Mar-14 | 23:50 | 51.9            | 53.5            | 50.2            |      |
| 27-Mar-14 | 23:55 | 52.4            | 54.1            | 50.1            |      |
|           |       | Mean            | 52.4            | 53.5            | 50.3 |
|           |       | Maximum         | 59.8            | 63.9            | 52.2 |
|           |       | Minimum         | 49.9            | 50.9            | 48.7 |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 28-Mar-14 | 0:00  | 51.7            | 53.5            | 49.9            |
| 28-Mar-14 | 0:05  | 52.6            | 54.3            | 50.1            |
| 28-Mar-14 | 0:10  | 51.6            | 53.2            | 49.6            |
| 28-Mar-14 | 0:15  | 51.9            | 52.9            | 49.3            |
| 28-Mar-14 | 0:20  | 50.9            | 52.2            | 49.2            |
| 28-Mar-14 | 0:25  | 51.1            | 52.7            | 49.4            |
| 28-Mar-14 | 0:30  | 50.7            | 51.9            | 49.2            |
| 28-Mar-14 | 0:35  | 50.8            | 52.0            | 49.2            |
| 28-Mar-14 | 0:40  | 50.6            | 51.9            | 49.1            |
| 28-Mar-14 | 0:45  | 51.0            | 52.3            | 49.3            |
| 28-Mar-14 | 0:50  | 50.8            | 52.2            | 49.2            |
| 28-Mar-14 | 0:55  | 51.3            | 52.9            | 49.2            |
| 28-Mar-14 | 1:00  | 51.3            | 52.9            | 49.4            |
| 28-Mar-14 | 1:05  | 51.3            | 52.7            | 49.2            |
| 28-Mar-14 | 1:10  | 50.5            | 51.7            | 49.1            |
| 28-Mar-14 | 1:15  | 51.8            | 53.8            | 49.1            |
| 28-Mar-14 | 1:20  | 50.0            | 51.3            | 48.3            |
| 28-Mar-14 | 1:25  | 52.4            | 53.1            | 49.0            |
| 28-Mar-14 | 1:30  | 50.7            | 52.5            | 48.5            |
| 28-Mar-14 | 1:35  | 52.2            | 53.5            | 49.2            |
| 28-Mar-14 | 1:40  | 52.0            | 54.3            | 49.3            |
| 28-Mar-14 | 1:45  | 49.7            | 51.1            | 48.2            |
| 28-Mar-14 | 1:50  | 49.7            | 50.9            | 48.1            |
| 28-Mar-14 | 1:55  | 49.6            | 50.8            | 48.3            |
| 28-Mar-14 | 2:00  | 49.5            | 50.8            | 48.1            |
| 28-Mar-14 | 2:05  | 50.2            | 51.6            | 48.5            |
| 28-Mar-14 | 2:10  | 50.1            | 51.6            | 48.6            |
| 28-Mar-14 | 2:15  | 51.2            | 53.4            | 48.4            |
| 28-Mar-14 | 2:20  | 50.1            | 51.8            | 48.2            |
| 28-Mar-14 | 2:25  | 50.1            | 51.5            | 48.4            |
| 28-Mar-14 | 2:30  | 49.8            | 51.1            | 48.2            |
| 28-Mar-14 | 2:35  | 49.9            | 51.6            | 48.0            |
| 28-Mar-14 | 2:40  | 49.5            | 50.9            | 47.8            |
| 28-Mar-14 | 2:45  | 49.3            | 50.6            | 48.0            |
| 28-Mar-14 | 2:50  | 50.6            | 51.9            | 48.3            |
| 28-Mar-14 | 2:55  | 49.6            | 50.8            | 48.1            |
| 28-Mar-14 | 3:00  | 50.3            | 50.8            | 48.0            |
| 28-Mar-14 | 3:05  | 49.7            | 50.9            | 48.1            |
| 28-Mar-14 | 3:10  | 50.7            | 52.8            | 48.2            |
| 28-Mar-14 | 3:15  | 49.8            | 50.9            | 47.7            |
| 28-Mar-14 | 3:20  | 50.9            | 52.9            | 48.2            |
| 28-Mar-14 | 3:25  | 50.3            | 52.0            | 48.0            |
| 28-Mar-14 | 3:30  | 49.4            | 50.7            | 47.4            |
| 28-Mar-14 | 3:35  | 56.9            | 53.5            | 48.2            |
| 28-Mar-14 | 3:40  | 54.0            | 51.7            | 47.7            |
| 28-Mar-14 | 3:45  | 49.4            | 50.8            | 48.0            |
| 28-Mar-14 | 3:50  | 50.5            | 52.0            | 48.3            |
| 28-Mar-14 | 3:55  | 50.1            | 51.6            | 48.0            |
| 28-Mar-14 | 4:00  | 49.7            | 50.9            | 47.8            |
| 28-Mar-14 | 4:05  | 50.9            | 52.7            | 48.7            |
| 28-Mar-14 | 4:10  | 51.3            | 53.2            | 48.3            |

| Date      | dB(A) |                 |                 |                 |      |
|-----------|-------|-----------------|-----------------|-----------------|------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |      |
| 28-Mar-14 | 4:15  | 50.6            | 52.2            | 48.8            |      |
| 28-Mar-14 | 4:20  | 50.2            | 51.7            | 48.2            |      |
| 28-Mar-14 | 4:25  | 49.8            | 51.3            | 48.0            |      |
| 28-Mar-14 | 4:30  | 50.1            | 51.7            | 48.2            |      |
| 28-Mar-14 | 4:35  | 50.0            | 51.6            | 48.2            |      |
| 28-Mar-14 | 4:40  | 50.1            | 51.5            | 48.3            |      |
| 28-Mar-14 | 4:45  | 50.3            | 51.6            | 48.2            |      |
| 28-Mar-14 | 4:50  | 50.3            | 52.0            | 48.4            |      |
| 28-Mar-14 | 4:55  | 49.5            | 50.9            | 47.9            |      |
| 28-Mar-14 | 5:00  | 50.1            | 51.8            | 48.1            |      |
| 28-Mar-14 | 5:05  | 50.1            | 51.3            | 48.1            |      |
| 28-Mar-14 | 5:10  | 51.3            | 53.4            | 48.4            |      |
| 28-Mar-14 | 5:15  | 50.6            | 52.1            | 48.3            |      |
| 28-Mar-14 | 5:20  | 50.9            | 52.7            | 48.4            |      |
| 28-Mar-14 | 5:25  | 50.1            | 51.6            | 48.2            |      |
| 28-Mar-14 | 5:30  | 50.9            | 52.5            | 48.4            |      |
| 28-Mar-14 | 5:35  | 52.2            | 53.9            | 50.0            |      |
| 28-Mar-14 | 5:40  | 50.4            | 51.9            | 48.4            |      |
| 28-Mar-14 | 5:45  | 51.2            | 53.5            | 48.5            |      |
| 28-Mar-14 | 5:50  | 50.9            | 52.6            | 49.0            |      |
| 28-Mar-14 | 5:55  | 50.8            | 52.0            | 49.1            |      |
| 28-Mar-14 | 6:00  | 51.8            | 53.7            | 49.4            |      |
| 28-Mar-14 | 6:05  | 52.9            | 54.6            | 50.5            |      |
| 28-Mar-14 | 6:10  | 52.7            | 54.2            | 50.5            |      |
| 28-Mar-14 | 6:15  | 52.6            | 54.1            | 49.7            |      |
| 28-Mar-14 | 6:20  | 52.7            | 54.1            | 49.9            |      |
| 28-Mar-14 | 6:25  | 52.3            | 53.8            | 50.4            |      |
| 28-Mar-14 | 6:30  | 52.2            | 53.8            | 50.3            |      |
| 28-Mar-14 | 6:35  | 54.7            | 56.6            | 51.1            |      |
| 28-Mar-14 | 6:40  | 54.1            | 56.1            | 51.1            |      |
| 28-Mar-14 | 6:45  | 53.4            | 55.6            | 51.1            |      |
| 28-Mar-14 | 6:50  | 55.4            | 57.9            | 51.7            |      |
| 28-Mar-14 | 6:55  | 56.3            | 59.1            | 52.2            |      |
| 28-Mar-14 | 23:00 | 53.7            | 55.3            | 51.9            |      |
| 28-Mar-14 | 23:05 | 52.9            | 54.3            | 51.4            |      |
| 28-Mar-14 | 23:10 | 54.5            | 56.2            | 51.5            |      |
| 28-Mar-14 | 23:15 | 53.4            | 55.0            | 51.3            |      |
| 28-Mar-14 | 23:20 | 53.6            | 55.5            | 51.3            |      |
| 28-Mar-14 | 23:25 | 52.8            | 54.3            | 51.0            |      |
| 28-Mar-14 | 23:30 | 52.7            | 54.2            | 51.0            |      |
| 28-Mar-14 | 23:35 | 52.2            | 53.5            | 51.0            |      |
| 28-Mar-14 | 23:40 | 53.4            | 55.0            | 51.2            |      |
| 28-Mar-14 | 23:45 | 52.7            | 54.4            | 51.1            |      |
| 28-Mar-14 | 23:50 | 52.7            | 53.3            | 51.0            |      |
| 28-Mar-14 | 23:55 | 54.1            | 54.6            | 51.3            |      |
|           |       | Mean            | 51.7            | 52.8            | 49.1 |
|           |       | Maximum         | 56.9            | 59.1            | 52.2 |
|           |       | Minimum         | 49.3            | 50.6            | 47.4 |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 29-Mar-14 | 0:00  | 51.8            | 53.2            | 50.4            |
| 29-Mar-14 | 0:05  | 52.8            | 54.0            | 51.2            |
| 29-Mar-14 | 0:10  | 52.0            | 53.4            | 50.5            |
| 29-Mar-14 | 0:15  | 51.9            | 53.2            | 50.4            |
| 29-Mar-14 | 0:20  | 52.2            | 53.7            | 50.2            |
| 29-Mar-14 | 0:25  | 52.0            | 53.6            | 50.2            |
| 29-Mar-14 | 0:30  | 52.2            | 54.1            | 50.3            |
| 29-Mar-14 | 0:35  | 52.5            | 53.9            | 50.8            |
| 29-Mar-14 | 0:40  | 52.6            | 53.9            | 51.0            |
| 29-Mar-14 | 0:45  | 53.7            | 55.8            | 51.2            |
| 29-Mar-14 | 0:50  | 51.8            | 53.3            | 50.2            |
| 29-Mar-14 | 0:55  | 51.7            | 53.5            | 50.0            |
| 29-Mar-14 | 1:00  | 51.3            | 52.9            | 49.4            |
| 29-Mar-14 | 1:05  | 50.9            | 51.9            | 49.7            |
| 29-Mar-14 | 1:10  | 52.1            | 53.8            | 50.2            |
| 29-Mar-14 | 1:15  | 51.7            | 52.8            | 50.0            |
| 29-Mar-14 | 1:20  | 50.8            | 51.9            | 49.5            |
| 29-Mar-14 | 1:25  | 50.9            | 51.9            | 49.6            |
| 29-Mar-14 | 1:30  | 51.3            | 52.7            | 49.7            |
| 29-Mar-14 | 1:35  | 50.8            | 52.1            | 49.4            |
| 29-Mar-14 | 1:40  | 50.7            | 51.8            | 49.4            |
| 29-Mar-14 | 1:45  | 50.5            | 51.6            | 49.3            |
| 29-Mar-14 | 1:50  | 50.6            | 51.8            | 49.1            |
| 29-Mar-14 | 1:55  | 50.4            | 51.7            | 49.1            |
| 29-Mar-14 | 2:00  | 51.5            | 52.0            | 49.2            |
| 29-Mar-14 | 2:05  | 50.5            | 51.8            | 49.1            |
| 29-Mar-14 | 2:10  | 50.6            | 51.9            | 49.2            |
| 29-Mar-14 | 2:15  | 50.6            | 51.7            | 49.3            |
| 29-Mar-14 | 2:20  | 50.9            | 52.2            | 49.3            |
| 29-Mar-14 | 2:25  | 50.8            | 52.0            | 49.2            |
| 29-Mar-14 | 2:30  | 50.9            | 51.9            | 49.3            |
| 29-Mar-14 | 2:35  | 50.3            | 51.5            | 49.2            |
| 29-Mar-14 | 2:40  | 49.9            | 50.9            | 48.9            |
| 29-Mar-14 | 2:45  | 49.9            | 50.8            | 49.0            |
| 29-Mar-14 | 2:50  | 50.1            | 50.9            | 49.0            |
| 29-Mar-14 | 2:55  | 49.9            | 50.9            | 48.7            |
| 29-Mar-14 | 3:00  | 49.8            | 50.8            | 48.8            |
| 29-Mar-14 | 3:05  | 50.9            | 52.5            | 49.2            |
| 29-Mar-14 | 3:10  | 51.3            | 53.1            | 49.2            |
| 29-Mar-14 | 3:15  | 51.2            | 52.6            | 49.4            |
| 29-Mar-14 | 3:20  | 51.8            | 52.9            | 50.3            |
| 29-Mar-14 | 3:25  | 52.3            | 53.4            | 51.0            |
| 29-Mar-14 | 3:30  | 51.6            | 52.6            | 50.6            |
| 29-Mar-14 | 3:35  | 51.7            | 52.7            | 50.5            |
| 29-Mar-14 | 3:40  | 52.1            | 52.9            | 51.1            |
| 29-Mar-14 | 3:45  | 52.7            | 53.9            | 50.8            |
| 29-Mar-14 | 3:50  | 52.7            | 54.0            | 51.0            |
| 29-Mar-14 | 3:55  | 51.1            | 51.9            | 50.1            |
| 29-Mar-14 | 4:00  | 51.5            | 52.9            | 50.2            |
| 29-Mar-14 | 4:05  | 51.2            | 52.3            | 50.1            |
| 29-Mar-14 | 4:10  | 51.5            | 52.3            | 50.0            |

| Date      | dB(A) |                 |                 |                 |      |
|-----------|-------|-----------------|-----------------|-----------------|------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |      |
| 29-Mar-14 | 4:15  | 51.1            | 51.9            | 50.1            |      |
| 29-Mar-14 | 4:20  | 52.2            | 53.8            | 50.3            |      |
| 29-Mar-14 | 4:25  | 50.8            | 51.9            | 49.4            |      |
| 29-Mar-14 | 4:30  | 50.4            | 51.5            | 49.1            |      |
| 29-Mar-14 | 4:35  | 50.3            | 51.5            | 49.1            |      |
| 29-Mar-14 | 4:40  | 50.0            | 50.8            | 49.1            |      |
| 29-Mar-14 | 4:45  | 50.3            | 51.2            | 49.1            |      |
| 29-Mar-14 | 4:50  | 50.4            | 51.7            | 49.1            |      |
| 29-Mar-14 | 4:55  | 49.9            | 50.9            | 48.6            |      |
| 29-Mar-14 | 5:00  | 50.7            | 52.3            | 49.1            |      |
| 29-Mar-14 | 5:05  | 50.5            | 51.7            | 49.2            |      |
| 29-Mar-14 | 5:10  | 50.8            | 52.3            | 49.2            |      |
| 29-Mar-14 | 5:15  | 50.1            | 51.3            | 49.0            |      |
| 29-Mar-14 | 5:20  | 51.1            | 52.7            | 49.1            |      |
| 29-Mar-14 | 5:25  | 51.1            | 52.7            | 49.2            |      |
| 29-Mar-14 | 5:30  | 50.9            | 52.4            | 49.1            |      |
| 29-Mar-14 | 5:35  | 51.4            | 52.9            | 49.3            |      |
| 29-Mar-14 | 5:40  | 50.9            | 52.1            | 49.3            |      |
| 29-Mar-14 | 5:45  | 51.9            | 54.3            | 49.4            |      |
| 29-Mar-14 | 5:50  | 52.3            | 53.6            | 50.0            |      |
| 29-Mar-14 | 5:55  | 51.2            | 52.6            | 49.9            |      |
| 29-Mar-14 | 6:00  | 51.3            | 52.6            | 49.9            |      |
| 29-Mar-14 | 6:05  | 51.7            | 52.9            | 49.8            |      |
| 29-Mar-14 | 6:10  | 53.0            | 54.8            | 50.7            |      |
| 29-Mar-14 | 6:15  | 52.4            | 53.8            | 51.0            |      |
| 29-Mar-14 | 6:20  | 52.9            | 54.1            | 51.1            |      |
| 29-Mar-14 | 6:25  | 52.9            | 53.8            | 51.1            |      |
| 29-Mar-14 | 6:30  | 53.6            | 55.2            | 51.3            |      |
| 29-Mar-14 | 6:35  | 52.7            | 54.1            | 51.0            |      |
| 29-Mar-14 | 6:40  | 55.7            | 58.8            | 51.4            |      |
| 29-Mar-14 | 6:45  | 55.3            | 54.7            | 51.1            |      |
| 29-Mar-14 | 6:50  | 55.3            | 58.3            | 52.0            |      |
| 29-Mar-14 | 6:55  | 54.6            | 56.8            | 51.4            |      |
| 29-Mar-14 | 23:00 | 55.2            | 56.6            | 53.2            |      |
| 29-Mar-14 | 23:05 | 54.0            | 55.4            | 52.3            |      |
| 29-Mar-14 | 23:10 | 54.2            | 55.6            | 52.5            |      |
| 29-Mar-14 | 23:15 | 54.3            | 55.7            | 52.3            |      |
| 29-Mar-14 | 23:20 | 54.6            | 56.3            | 52.5            |      |
| 29-Mar-14 | 23:25 | 54.2            | 55.4            | 52.7            |      |
| 29-Mar-14 | 23:30 | 54.3            | 55.5            | 51.8            |      |
| 29-Mar-14 | 23:35 | 54.8            | 56.6            | 52.1            |      |
| 29-Mar-14 | 23:40 | 54.3            | 55.8            | 52.0            |      |
| 29-Mar-14 | 23:45 | 53.7            | 55.1            | 52.2            |      |
| 29-Mar-14 | 23:50 | 56.0            | 57.0            | 52.3            |      |
| 29-Mar-14 | 23:55 | 53.0            | 54.1            | 51.7            |      |
|           |       | Mean            | 52.2            | 53.2            | 50.2 |
|           |       | Maximum         | 56.0            | 58.8            | 53.2 |
|           |       | Minimum         | 49.8            | 50.8            | 48.6 |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 30-Mar-14 | 0:00  | 53.5            | 55.0            | 51.5            |
| 30-Mar-14 | 0:05  | 52.9            | 53.9            | 51.5            |
| 30-Mar-14 | 0:10  | 53.4            | 54.9            | 51.4            |
| 30-Mar-14 | 0:15  | 53.1            | 54.9            | 51.2            |
| 30-Mar-14 | 0:20  | 52.8            | 54.2            | 50.9            |
| 30-Mar-14 | 0:25  | 52.3            | 53.7            | 50.9            |
| 30-Mar-14 | 0:30  | 52.3            | 53.6            | 50.8            |
| 30-Mar-14 | 0:35  | 52.3            | 53.7            | 50.9            |
| 30-Mar-14 | 0:40  | 52.8            | 54.4            | 51.1            |
| 30-Mar-14 | 0:45  | 51.8            | 52.9            | 50.3            |
| 30-Mar-14 | 0:50  | 51.8            | 53.1            | 50.4            |
| 30-Mar-14 | 0:55  | 52.8            | 53.9            | 50.5            |
| 30-Mar-14 | 1:00  | 52.1            | 53.4            | 50.3            |
| 30-Mar-14 | 1:05  | 52.2            | 53.7            | 50.3            |
| 30-Mar-14 | 1:10  | 52.2            | 53.5            | 50.7            |
| 30-Mar-14 | 1:15  | 52.3            | 53.8            | 50.8            |
| 30-Mar-14 | 1:20  | 51.8            | 53.0            | 50.2            |
| 30-Mar-14 | 1:25  | 50.9            | 51.9            | 50.0            |
| 30-Mar-14 | 1:30  | 51.0            | 52.1            | 50.0            |
| 30-Mar-14 | 1:35  | 51.2            | 52.2            | 50.1            |
| 30-Mar-14 | 1:40  | 52.1            | 53.7            | 50.2            |
| 30-Mar-14 | 1:45  | 51.7            | 52.9            | 50.3            |
| 30-Mar-14 | 1:50  | 51.7            | 52.7            | 50.7            |
| 30-Mar-14 | 1:55  | 53.3            | 53.7            | 50.4            |
| 30-Mar-14 | 2:00  | 53.4            | 55.2            | 50.1            |
| 30-Mar-14 | 2:05  | 53.8            | 55.7            | 51.0            |
| 30-Mar-14 | 2:10  | 52.8            | 53.2            | 50.2            |
| 30-Mar-14 | 2:15  | 54.7            | 55.4            | 50.0            |
| 30-Mar-14 | 2:20  | 51.2            | 52.4            | 49.8            |
| 30-Mar-14 | 2:25  | 51.1            | 52.5            | 49.3            |
| 30-Mar-14 | 2:30  | 51.4            | 52.9            | 49.6            |
| 30-Mar-14 | 2:35  | 51.3            | 52.5            | 49.8            |
| 30-Mar-14 | 2:40  | 51.0            | 52.1            | 49.7            |
| 30-Mar-14 | 2:45  | 50.6            | 51.7            | 49.3            |
| 30-Mar-14 | 2:50  | 51.4            | 52.6            | 49.6            |
| 30-Mar-14 | 2:55  | 50.6            | 51.7            | 49.3            |
| 30-Mar-14 | 3:00  | 50.2            | 51.1            | 49.1            |
| 30-Mar-14 | 3:05  | 50.3            | 51.4            | 49.1            |
| 30-Mar-14 | 3:10  | 50.7            | 52.2            | 49.1            |
| 30-Mar-14 | 3:15  | 50.6            | 51.6            | 49.2            |
| 30-Mar-14 | 3:20  | 51.3            | 52.6            | 49.4            |
| 30-Mar-14 | 3:25  | 50.9            | 51.9            | 49.3            |
| 30-Mar-14 | 3:30  | 50.5            | 51.6            | 49.3            |
| 30-Mar-14 | 3:35  | 51.4            | 53.1            | 50.0            |
| 30-Mar-14 | 3:40  | 50.6            | 51.7            | 49.3            |
| 30-Mar-14 | 3:45  | 50.8            | 51.9            | 49.6            |
| 30-Mar-14 | 3:50  | 50.7            | 51.6            | 49.6            |
| 30-Mar-14 | 3:55  | 50.6            | 51.7            | 49.4            |
| 30-Mar-14 | 4:00  | 50.4            | 51.5            | 49.1            |
| 30-Mar-14 | 4:05  | 50.9            | 51.9            | 49.3            |
| 30-Mar-14 | 4:10  | 50.7            | 51.7            | 49.4            |

| Date      | dB(A) |                 |                 |                 |      |
|-----------|-------|-----------------|-----------------|-----------------|------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |      |
| 30-Mar-14 | 4:15  | 50.9            | 51.9            | 49.6            |      |
| 30-Mar-14 | 4:20  | 51.5            | 52.9            | 50.0            |      |
| 30-Mar-14 | 4:25  | 51.1            | 52.3            | 50.0            |      |
| 30-Mar-14 | 4:30  | 51.1            | 52.4            | 49.6            |      |
| 30-Mar-14 | 4:35  | 50.9            | 51.8            | 49.7            |      |
| 30-Mar-14 | 4:40  | 51.1            | 52.0            | 50.0            |      |
| 30-Mar-14 | 4:45  | 51.1            | 52.4            | 50.0            |      |
| 30-Mar-14 | 4:50  | 50.5            | 51.6            | 49.3            |      |
| 30-Mar-14 | 4:55  | 51.3            | 52.7            | 49.7            |      |
| 30-Mar-14 | 5:00  | 50.5            | 51.6            | 49.4            |      |
| 30-Mar-14 | 5:05  | 51.7            | 53.6            | 49.3            |      |
| 30-Mar-14 | 5:10  | 50.5            | 51.9            | 49.1            |      |
| 30-Mar-14 | 5:15  | 50.3            | 51.5            | 49.1            |      |
| 30-Mar-14 | 5:20  | 50.6            | 51.8            | 49.2            |      |
| 30-Mar-14 | 5:25  | 50.6            | 51.8            | 49.2            |      |
| 30-Mar-14 | 5:30  | 50.4            | 51.5            | 49.2            |      |
| 30-Mar-14 | 5:35  | 50.8            | 51.8            | 49.1            |      |
| 30-Mar-14 | 5:40  | 50.3            | 51.4            | 49.2            |      |
| 30-Mar-14 | 5:45  | 51.2            | 52.4            | 49.4            |      |
| 30-Mar-14 | 5:50  | 51.3            | 52.7            | 49.7            |      |
| 30-Mar-14 | 5:55  | 51.6            | 52.8            | 50.2            |      |
| 30-Mar-14 | 6:00  | 51.9            | 52.9            | 50.2            |      |
| 30-Mar-14 | 6:05  | 51.7            | 53.0            | 50.1            |      |
| 30-Mar-14 | 6:10  | 52.2            | 53.1            | 50.2            |      |
| 30-Mar-14 | 6:15  | 51.9            | 52.9            | 50.0            |      |
| 30-Mar-14 | 6:20  | 51.7            | 53.1            | 50.2            |      |
| 30-Mar-14 | 6:25  | 52.4            | 53.7            | 50.7            |      |
| 30-Mar-14 | 6:30  | 53.6            | 55.6            | 51.3            |      |
| 30-Mar-14 | 6:35  | 53.9            | 55.2            | 51.3            |      |
| 30-Mar-14 | 6:40  | 52.8            | 54.6            | 50.8            |      |
| 30-Mar-14 | 6:45  | 52.9            | 54.4            | 50.9            |      |
| 30-Mar-14 | 6:50  | 52.9            | 54.3            | 50.9            |      |
| 30-Mar-14 | 6:55  | 53.7            | 55.5            | 51.3            |      |
| 30-Mar-14 | 23:00 | 58.0            | 59.6            | 55.6            |      |
| 30-Mar-14 | 23:05 | 55.9            | 57.4            | 54.1            |      |
| 30-Mar-14 | 23:10 | 57.2            | 59.5            | 54.1            |      |
| 30-Mar-14 | 23:15 | 56.6            | 58.6            | 54.2            |      |
| 30-Mar-14 | 23:20 | 56.5            | 58.1            | 54.5            |      |
| 30-Mar-14 | 23:25 | 56.1            | 57.6            | 54.1            |      |
| 30-Mar-14 | 23:30 | 57.0            | 58.8            | 54.7            |      |
| 30-Mar-14 | 23:35 | 57.0            | 58.8            | 54.5            |      |
| 30-Mar-14 | 23:40 | 56.0            | 57.6            | 53.7            |      |
| 30-Mar-14 | 23:45 | 55.0            | 56.6            | 53.2            |      |
| 30-Mar-14 | 23:50 | 55.6            | 57.0            | 53.2            |      |
| 30-Mar-14 | 23:55 | 55.4            | 57.3            | 53.1            |      |
|           |       | Mean            | 52.7            | 53.5            | 50.5 |
|           |       | Maximum         | 58.0            | 59.6            | 55.6 |
|           |       | Minimum         | 50.2            | 51.1            | 49.1 |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 31-Mar-14 | 0:00  | 55.8            | 57.6            | 53.4            |
| 31-Mar-14 | 0:05  | 54.6            | 56.7            | 52.6            |
| 31-Mar-14 | 0:10  | 60.2            | 62.5            | 53.4            |
| 31-Mar-14 | 0:15  | 62.0            | 66.1            | 57.2            |
| 31-Mar-14 | 0:20  | 69.0            | 70.1            | 67.5            |
| 31-Mar-14 | 0:25  | 66.1            | 68.2            | 63.0            |
| 31-Mar-14 | 0:30  | 63.2            | 65.2            | 60.3            |
| 31-Mar-14 | 0:35  | 57.7            | 60.2            | 55.1            |
| 31-Mar-14 | 0:40  | 54.3            | 55.6            | 52.6            |
| 31-Mar-14 | 0:45  | 53.4            | 54.7            | 52.0            |
| 31-Mar-14 | 0:50  | 54.0            | 55.6            | 52.2            |
| 31-Mar-14 | 0:55  | 55.3            | 56.9            | 53.8            |
| 31-Mar-14 | 1:00  | 53.7            | 54.9            | 52.0            |
| 31-Mar-14 | 1:05  | 52.6            | 54.0            | 51.0            |
| 31-Mar-14 | 1:10  | 52.6            | 54.1            | 50.6            |
| 31-Mar-14 | 1:15  | 52.7            | 54.5            | 51.0            |
| 31-Mar-14 | 1:20  | 52.9            | 55.2            | 50.3            |
| 31-Mar-14 | 1:25  | 53.9            | 58.7            | 50.0            |
| 31-Mar-14 | 1:30  | 54.5            | 56.9            | 52.1            |
| 31-Mar-14 | 1:35  | 54.6            | 56.4            | 51.6            |
| 31-Mar-14 | 1:40  | 52.9            | 55.3            | 50.4            |
| 31-Mar-14 | 1:45  | 53.7            | 56.1            | 50.7            |
| 31-Mar-14 | 1:50  | 51.9            | 52.8            | 50.0            |
| 31-Mar-14 | 1:55  | 52.0            | 53.6            | 50.0            |
| 31-Mar-14 | 2:00  | 51.2            | 52.8            | 49.4            |
| 31-Mar-14 | 2:05  | 51.6            | 53.1            | 50.0            |
| 31-Mar-14 | 2:10  | 51.8            | 53.7            | 49.6            |
| 31-Mar-14 | 2:15  | 52.4            | 54.4            | 50.3            |
| 31-Mar-14 | 2:20  | 53.0            | 54.8            | 50.5            |
| 31-Mar-14 | 2:25  | 51.5            | 52.7            | 50.0            |
| 31-Mar-14 | 2:30  | 51.3            | 52.9            | 49.5            |
| 31-Mar-14 | 2:35  | 51.3            | 53.2            | 49.3            |
| 31-Mar-14 | 2:40  | 52.0            | 52.8            | 49.3            |
| 31-Mar-14 | 2:45  | 51.9            | 53.7            | 50.0            |
| 31-Mar-14 | 2:50  | 51.6            | 52.8            | 49.9            |
| 31-Mar-14 | 2:55  | 51.4            | 52.8            | 49.8            |
| 31-Mar-14 | 3:00  | 51.5            | 53.5            | 49.3            |
| 31-Mar-14 | 3:05  | 50.7            | 52.4            | 49.0            |
| 31-Mar-14 | 3:10  | 51.9            | 53.7            | 49.5            |
| 31-Mar-14 | 3:15  | 51.2            | 52.6            | 49.3            |
| 31-Mar-14 | 3:20  | 51.5            | 53.1            | 49.1            |
| 31-Mar-14 | 3:25  | 50.5            | 51.8            | 48.8            |
| 31-Mar-14 | 3:30  | 51.9            | 53.8            | 49.1            |
| 31-Mar-14 | 3:35  | 50.6            | 51.9            | 49.1            |
| 31-Mar-14 | 3:40  | 51.7            | 53.8            | 49.3            |
| 31-Mar-14 | 3:45  | 50.8            | 52.4            | 49.1            |
| 31-Mar-14 | 3:50  | 51.4            | 53.3            | 49.5            |
| 31-Mar-14 | 3:55  | 51.2            | 53.1            | 49.1            |
| 31-Mar-14 | 4:00  | 51.0            | 52.5            | 49.0            |
| 31-Mar-14 | 4:05  | 52.5            | 54.6            | 50.0            |
| 31-Mar-14 | 4:10  | 52.2            | 54.0            | 49.7            |

| Date      | dB(A) |                 |                 |                 |
|-----------|-------|-----------------|-----------------|-----------------|
|           | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 31-Mar-14 | 4:15  | 50.7            | 52.5            | 48.9            |
| 31-Mar-14 | 4:20  | 51.2            | 52.7            | 49.2            |
| 31-Mar-14 | 4:25  | 51.2            | 52.8            | 49.3            |
| 31-Mar-14 | 4:30  | 50.9            | 52.7            | 49.1            |
| 31-Mar-14 | 4:35  | 52.1            | 53.5            | 50.0            |
| 31-Mar-14 | 4:40  | 50.4            | 51.7            | 49.1            |
| 31-Mar-14 | 4:45  | 51.7            | 53.7            | 49.4            |
| 31-Mar-14 | 4:50  | 52.1            | 54.1            | 49.3            |
| 31-Mar-14 | 4:55  | 51.1            | 53.1            | 49.2            |
| 31-Mar-14 | 5:00  | 51.0            | 52.5            | 49.3            |
| 31-Mar-14 | 5:05  | 50.6            | 51.8            | 49.2            |
| 31-Mar-14 | 5:10  | 51.7            | 53.0            | 49.3            |
| 31-Mar-14 | 5:15  | 50.8            | 51.9            | 49.4            |
| 31-Mar-14 | 5:20  | 51.8            | 53.5            | 49.7            |
| 31-Mar-14 | 5:25  | 50.8            | 52.3            | 49.2            |
| 31-Mar-14 | 5:30  | 51.5            | 53.0            | 49.7            |
| 31-Mar-14 | 5:35  | 51.6            | 52.9            | 50.0            |
| 31-Mar-14 | 5:40  | 51.4            | 53.0            | 49.5            |
| 31-Mar-14 | 5:45  | 53.2            | 54.9            | 50.9            |
| 31-Mar-14 | 5:50  | 53.7            | 55.7            | 51.1            |
| 31-Mar-14 | 5:55  | 53.2            | 55.1            | 50.8            |
| 31-Mar-14 | 6:00  | 54.2            | 56.2            | 50.5            |
| 31-Mar-14 | 6:05  | 53.6            | 55.9            | 51.1            |
| 31-Mar-14 | 6:10  | 53.9            | 54.9            | 51.6            |
| 31-Mar-14 | 6:15  | 55.5            | 57.4            | 52.0            |
| 31-Mar-14 | 6:20  | 55.6            | 57.8            | 52.3            |
| 31-Mar-14 | 6:25  | 54.8            | 56.6            | 52.2            |
| 31-Mar-14 | 6:30  | 56.3            | 58.6            | 53.1            |
| 31-Mar-14 | 6:35  | 55.2            | 56.8            | 52.3            |
| 31-Mar-14 | 6:40  | 54.9            | 56.4            | 52.7            |
| 31-Mar-14 | 6:45  | 55.4            | 57.0            | 53.2            |
| 31-Mar-14 | 6:50  | 57.4            | 59.3            | 53.4            |
| 31-Mar-14 | 6:55  | 55.5            | 57.0            | 54.0            |
| 31-Mar-14 | 23:00 | 54.6            | 56.4            | 52.5            |
| 31-Mar-14 | 23:05 | 58.1            | 61.9            | 52.2            |
| 31-Mar-14 | 23:10 | 55.3            | 56.9            | 53.1            |
| 31-Mar-14 | 23:15 | 54.9            | 56.3            | 53.1            |
| 31-Mar-14 | 23:20 | 54.5            | 55.9            | 52.2            |
| 31-Mar-14 | 23:25 | 55.0            | 56.7            | 52.4            |
| 31-Mar-14 | 23:30 | 54.8            | 56.4            | 52.7            |
| 31-Mar-14 | 23:35 | 54.6            | 56.1            | 53.0            |
| 31-Mar-14 | 23:40 | 54.6            | 56.6            | 52.3            |
| 31-Mar-14 | 23:45 | 53.8            | 55.5            | 52.1            |
| 31-Mar-14 | 23:50 | 54.4            | 56.2            | 52.1            |
| 31-Mar-14 | 23:55 | 55.0            | 57.6            | 52.0            |
|           |       | Mean            | 55.8            | 55.3            |
|           |       | Maximum         | 69.0            | 70.1            |
|           |       | Minimum         | 50.4            | 51.7            |

## Appendix C

### Night Time Noise Level at Tak Long Estate (M10)

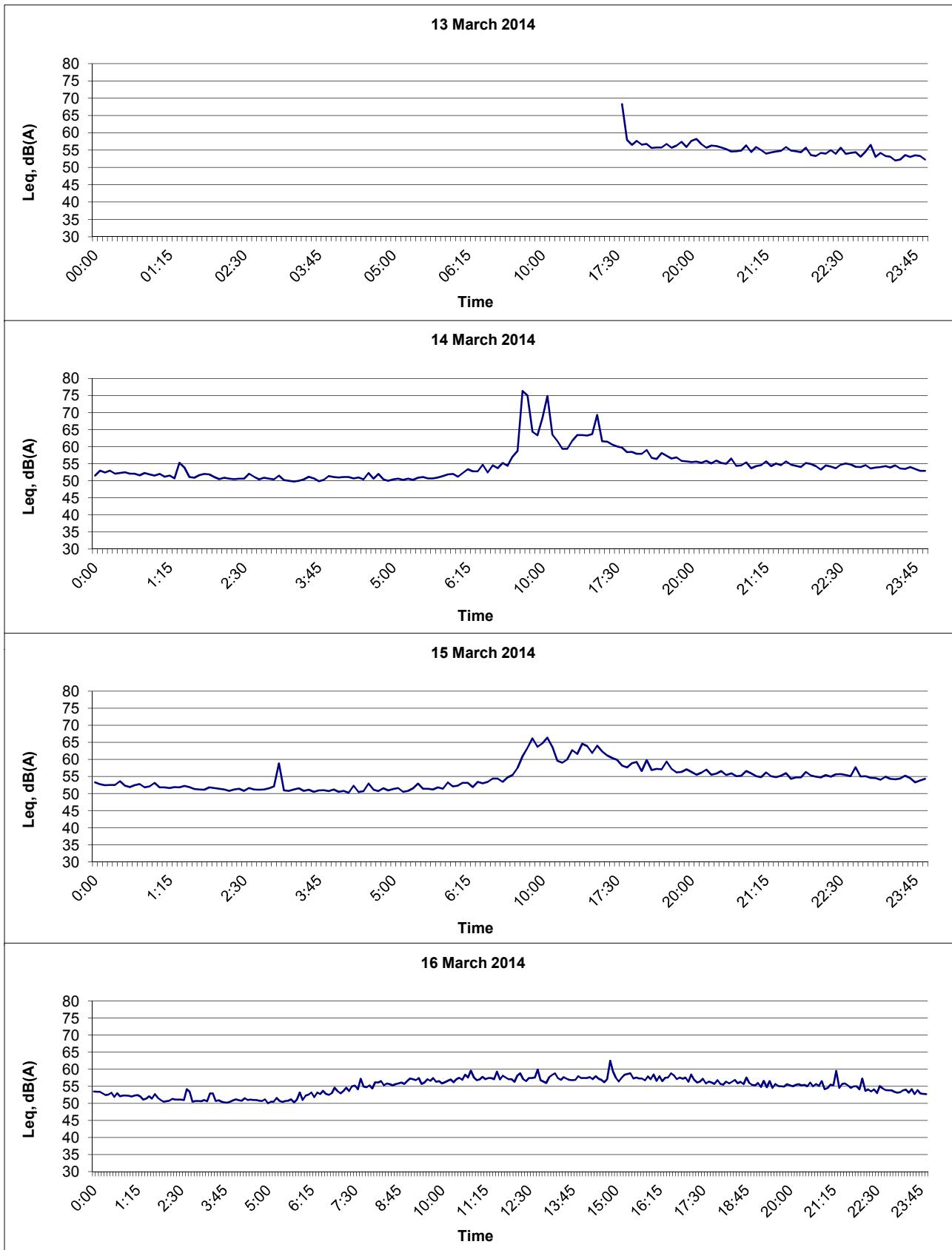
| Date     | dB(A) |                 |                 |                 |
|----------|-------|-----------------|-----------------|-----------------|
|          | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 1-Apr-14 | 0:00  | 53.5            | 54.9            | 51.8            |
| 1-Apr-14 | 0:05  | 53.8            | 55.2            | 52.3            |
| 1-Apr-14 | 0:10  | 53.6            | 55.1            | 52.0            |
| 1-Apr-14 | 0:15  | 53.2            | 54.6            | 51.4            |
| 1-Apr-14 | 0:20  | 54.1            | 56.5            | 51.2            |
| 1-Apr-14 | 0:25  | 54.3            | 56.4            | 52.3            |
| 1-Apr-14 | 0:30  | 52.2            | 53.6            | 50.6            |
| 1-Apr-14 | 0:35  | 52.3            | 53.7            | 50.8            |
| 1-Apr-14 | 0:40  | 52.4            | 53.8            | 50.8            |
| 1-Apr-14 | 0:45  | 51.9            | 53.3            | 50.3            |
| 1-Apr-14 | 0:50  | 52.4            | 54.0            | 51.0            |
| 1-Apr-14 | 0:55  | 52.2            | 53.7            | 50.2            |
| 1-Apr-14 | 1:00  | 52.6            | 54.6            | 50.8            |
| 1-Apr-14 | 1:05  | 52.0            | 53.3            | 50.7            |
| 1-Apr-14 | 1:10  | 54.5            | 56.0            | 52.6            |
| 1-Apr-14 | 1:15  | 52.5            | 53.7            | 50.4            |
| 1-Apr-14 | 1:20  | 52.2            | 54.2            | 50.1            |
| 1-Apr-14 | 1:25  | 51.6            | 53.0            | 50.1            |
| 1-Apr-14 | 1:30  | 51.4            | 52.7            | 50.0            |
| 1-Apr-14 | 1:35  | 51.9            | 53.7            | 50.1            |
| 1-Apr-14 | 1:40  | 52.5            | 53.9            | 50.1            |
| 1-Apr-14 | 1:45  | 51.7            | 53.3            | 50.1            |
| 1-Apr-14 | 1:50  | 51.9            | 53.8            | 50.2            |
| 1-Apr-14 | 1:55  | 51.3            | 52.4            | 50.2            |
| 1-Apr-14 | 2:00  | 52.2            | 54.1            | 50.3            |
| 1-Apr-14 | 2:05  | 52.5            | 54.9            | 50.2            |
| 1-Apr-14 | 2:10  | 51.1            | 52.6            | 49.6            |
| 1-Apr-14 | 2:15  | 51.2            | 52.5            | 50.0            |
| 1-Apr-14 | 2:20  | 51.0            | 51.9            | 50.0            |
| 1-Apr-14 | 2:25  | 52.3            | 54.2            | 50.0            |
| 1-Apr-14 | 2:30  | 51.5            | 52.6            | 50.1            |
| 1-Apr-14 | 2:35  | 54.2            | 54.7            | 49.5            |
| 1-Apr-14 | 2:40  | 51.8            | 53.3            | 50.0            |
| 1-Apr-14 | 2:45  | 55.7            | 55.6            | 50.0            |
| 1-Apr-14 | 2:50  | 51.4            | 52.9            | 49.7            |
| 1-Apr-14 | 2:55  | 54.4            | 53.3            | 49.7            |
| 1-Apr-14 | 3:00  | 52.3            | 54.6            | 50.0            |
| 1-Apr-14 | 3:05  | 52.1            | 53.5            | 50.5            |
| 1-Apr-14 | 3:10  | 50.8            | 51.8            | 49.7            |
| 1-Apr-14 | 3:15  | 51.9            | 53.4            | 49.7            |
| 1-Apr-14 | 3:20  | 52.1            | 53.5            | 49.8            |
| 1-Apr-14 | 3:25  | 50.6            | 51.7            | 49.2            |
| 1-Apr-14 | 3:30  | 52.4            | 54.8            | 49.4            |
| 1-Apr-14 | 3:35  | 50.5            | 51.5            | 49.3            |
| 1-Apr-14 | 3:40  | 51.0            | 52.5            | 49.4            |
| 1-Apr-14 | 3:45  | 50.8            | 51.9            | 49.5            |
| 1-Apr-14 | 3:50  | 51.4            | 53.2            | 49.6            |
| 1-Apr-14 | 3:55  | 50.8            | 52.4            | 49.3            |
| 1-Apr-14 | 4:00  | 50.9            | 52.1            | 49.6            |
| 1-Apr-14 | 4:05  | 51.0            | 52.1            | 49.4            |
| 1-Apr-14 | 4:10  | 51.9            | 53.0            | 50.1            |

| Date     | dB(A) |                 |                 |                 |
|----------|-------|-----------------|-----------------|-----------------|
|          | Time  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| 1-Apr-14 | 4:15  | 51.3            | 52.6            | 50.0            |
| 1-Apr-14 | 4:20  | 50.9            | 51.8            | 50.0            |
| 1-Apr-14 | 4:25  | 52.0            | 52.9            | 50.0            |
| 1-Apr-14 | 4:30  | 50.9            | 52.1            | 49.5            |
| 1-Apr-14 | 4:35  | 51.3            | 52.7            | 50.0            |
| 1-Apr-14 | 4:40  | 51.0            | 52.2            | 50.0            |
| 1-Apr-14 | 4:45  | 51.2            | 52.7            | 49.9            |
| 1-Apr-14 | 4:50  | 51.2            | 52.6            | 49.7            |
| 1-Apr-14 | 4:55  | 50.7            | 52.2            | 49.2            |
| 1-Apr-14 | 5:00  | 50.4            | 51.4            | 49.2            |
| 1-Apr-14 | 5:05  | 50.9            | 52.5            | 49.3            |
| 1-Apr-14 | 5:10  | 51.1            | 52.6            | 49.7            |
| 1-Apr-14 | 5:15  | 51.1            | 52.5            | 49.6            |
| 1-Apr-14 | 5:20  | 51.2            | 52.5            | 50.0            |
| 1-Apr-14 | 5:25  | 52.0            | 53.4            | 49.9            |
| 1-Apr-14 | 5:30  | 51.5            | 52.8            | 50.0            |
| 1-Apr-14 | 5:35  | 51.1            | 52.2            | 50.0            |
| 1-Apr-14 | 5:40  | 51.2            | 52.4            | 50.0            |
| 1-Apr-14 | 5:45  | 51.8            | 52.9            | 50.3            |
| 1-Apr-14 | 5:50  | 52.8            | 54.3            | 50.9            |
| 1-Apr-14 | 5:55  | 52.3            | 54.2            | 50.3            |
| 1-Apr-14 | 6:00  | 53.2            | 54.8            | 51.0            |
| 1-Apr-14 | 6:05  | 54.6            | 57.7            | 51.3            |
| 1-Apr-14 | 6:10  | 55.1            | 57.8            | 51.4            |
| 1-Apr-14 | 6:15  | 54.6            | 56.9            | 51.8            |
| 1-Apr-14 | 6:20  | 55.0            | 57.1            | 51.7            |
| 1-Apr-14 | 6:25  | 54.1            | 55.9            | 52.1            |
| 1-Apr-14 | 6:30  | 56.1            | 58.7            | 52.6            |
| 1-Apr-14 | 6:35  | 55.7            | 57.6            | 52.1            |
| 1-Apr-14 | 6:40  | 54.6            | 55.8            | 52.4            |
| 1-Apr-14 | 6:45  | 55.2            | 56.7            | 52.5            |
| 1-Apr-14 | 6:50  | 56.2            | 58.6            | 53.4            |
| 1-Apr-14 | 6:55  | 56.2            | 57.9            | 53.0            |

Mean            52.7            53.9            50.4  
 Maximum        56.2            58.7            53.4  
 Minimum        50.4            51.4            49.2

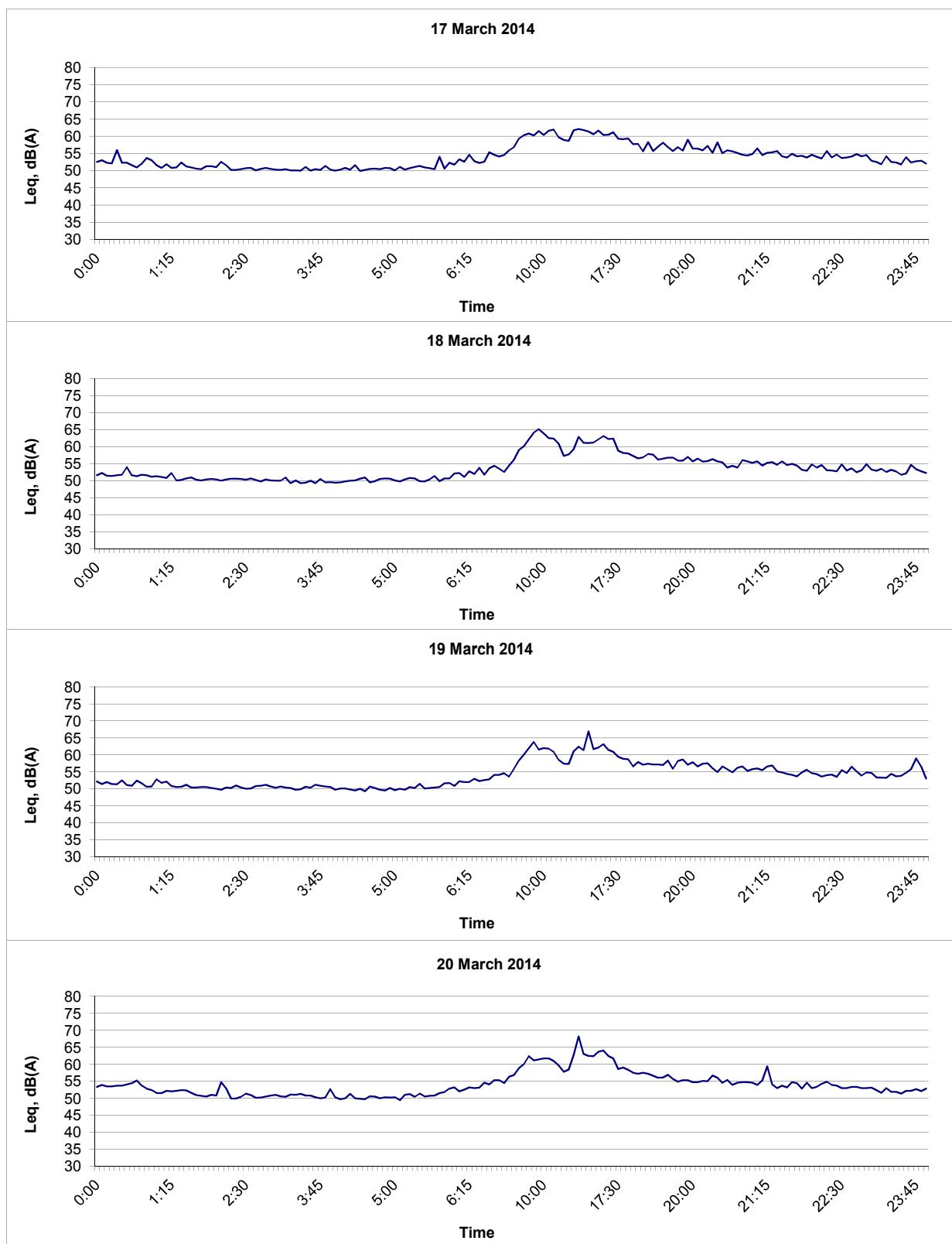
| Summary of Night Time Noise Level at Tak Long Estate (M10) |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
|  | L <sub>eq</sub> | L <sub>10</sub> | L <sub>90</sub> |
| Mean   | 52.2            | 53.2            | 49.8            |
| Maximum  | 69.0            | 70.1            | 67.5            |
| Minimum  | 48.1            | 49.4            | 46.4            |

### Noise Level at Tak Long Estate (M10)



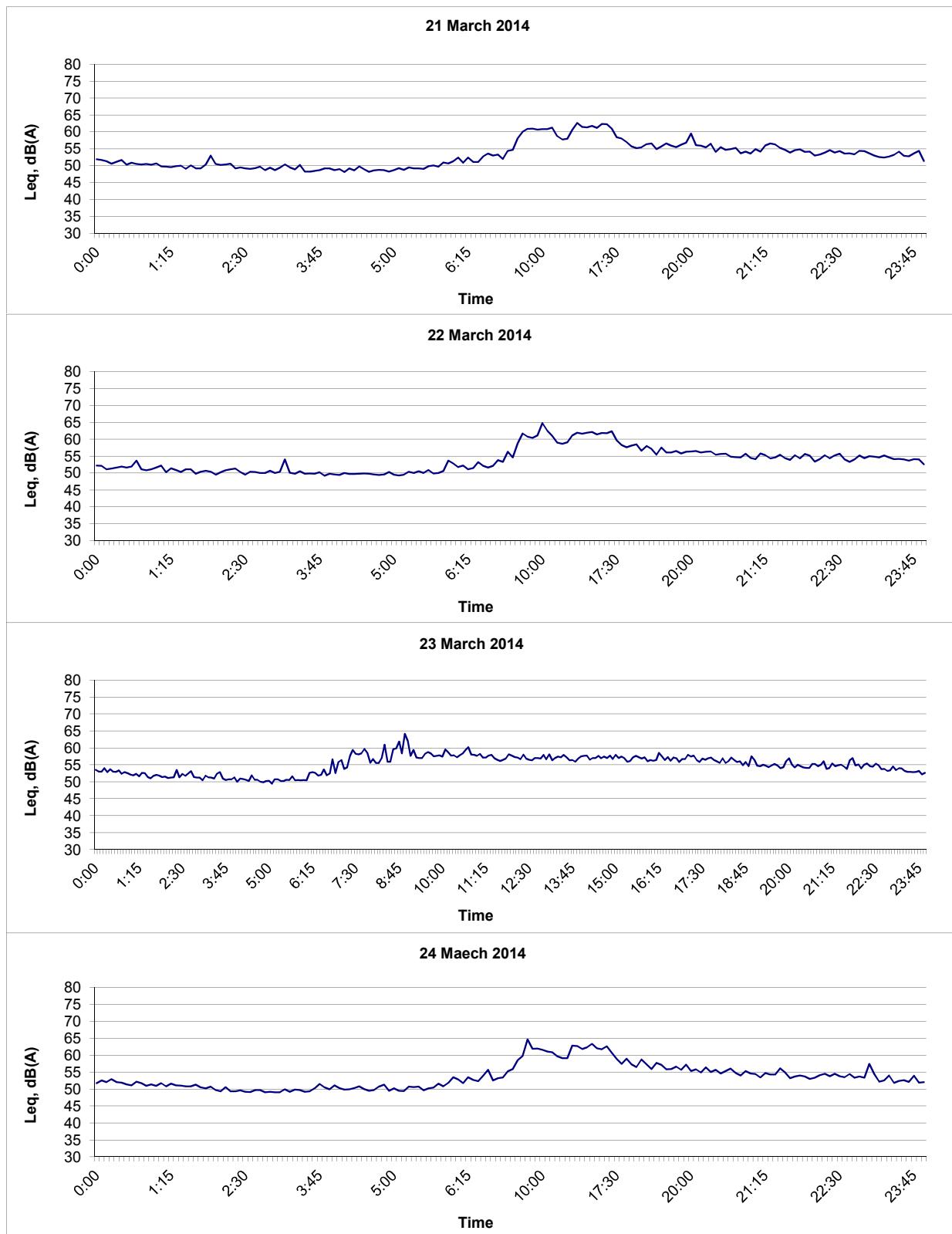
|  |  |                |                           |                 |
|--|--|----------------|---------------------------|-----------------|
| Title  | Contract No. KLN/2010/04                               | Scale<br>N.T.S | Project<br>No.<br>MA14008 | <b>CINOTECH</b> |
|  | Environmental Monitoring Works for Kai Tak Development |                |                           |                 |
| Graphical Presentation of Baseline Noise Levels at<br>at Tak Long Estate (M10) |  | Date<br>Apr 14 | Appendix<br>C             |                 |

### Noise Level at Tak Long Estate (M10)



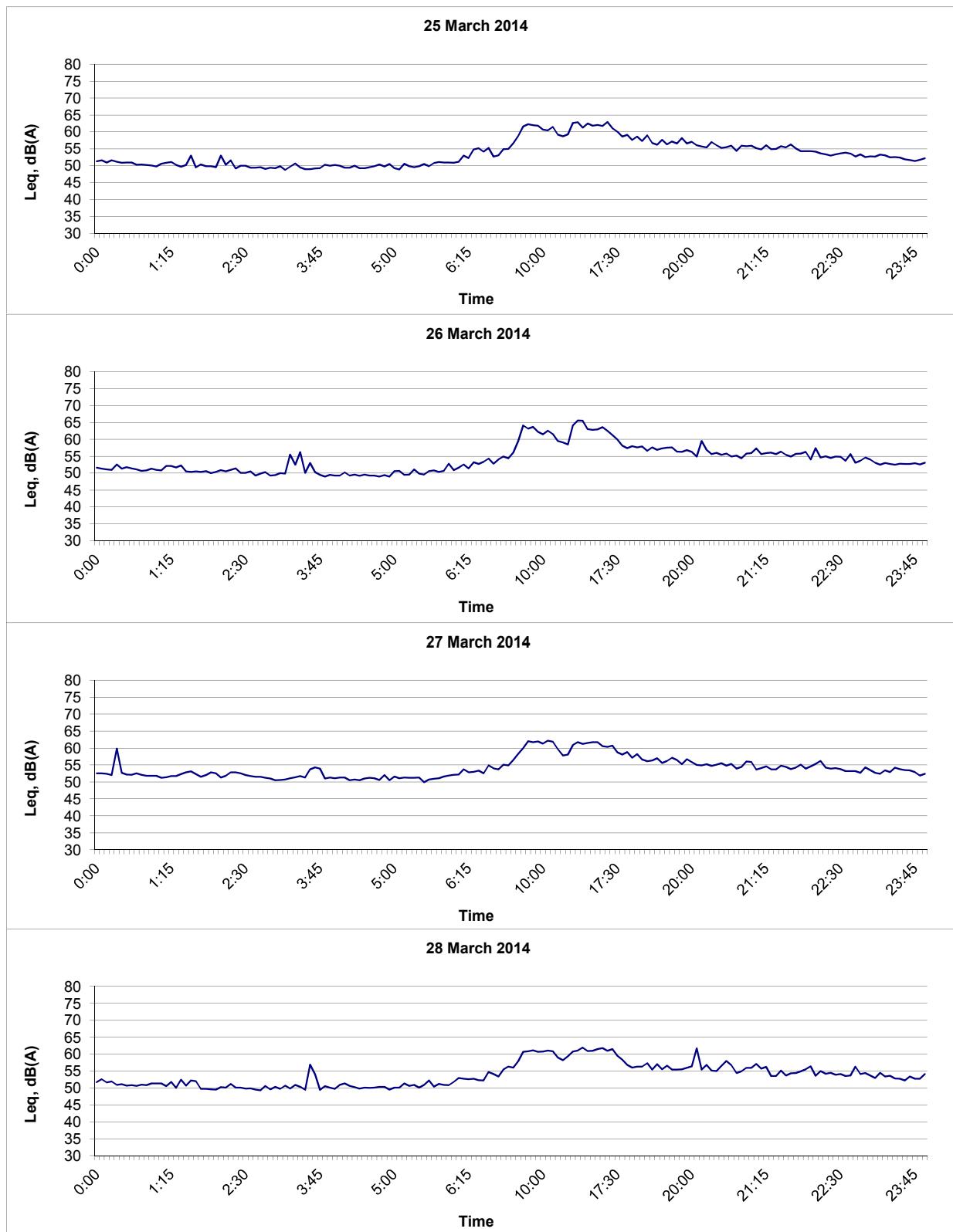
|   |                          |                |                           |          |
|---|--------------------------|----------------|---------------------------|----------|
| Title<br>Environmental Monitoring Works for Kai Tak Development<br>Graphical Presentation of Baseline Noise Levels at<br>at Tak Long Estate (M10) | Contract No. KLN/2010/04 | Scale<br>N.T.S | Project<br>No.<br>MA14008 | CINOTECH |
|   | Date<br>Apr 14           |                | Appendix<br>C             |          |

### Noise Level at Tak Long Estate (M10)



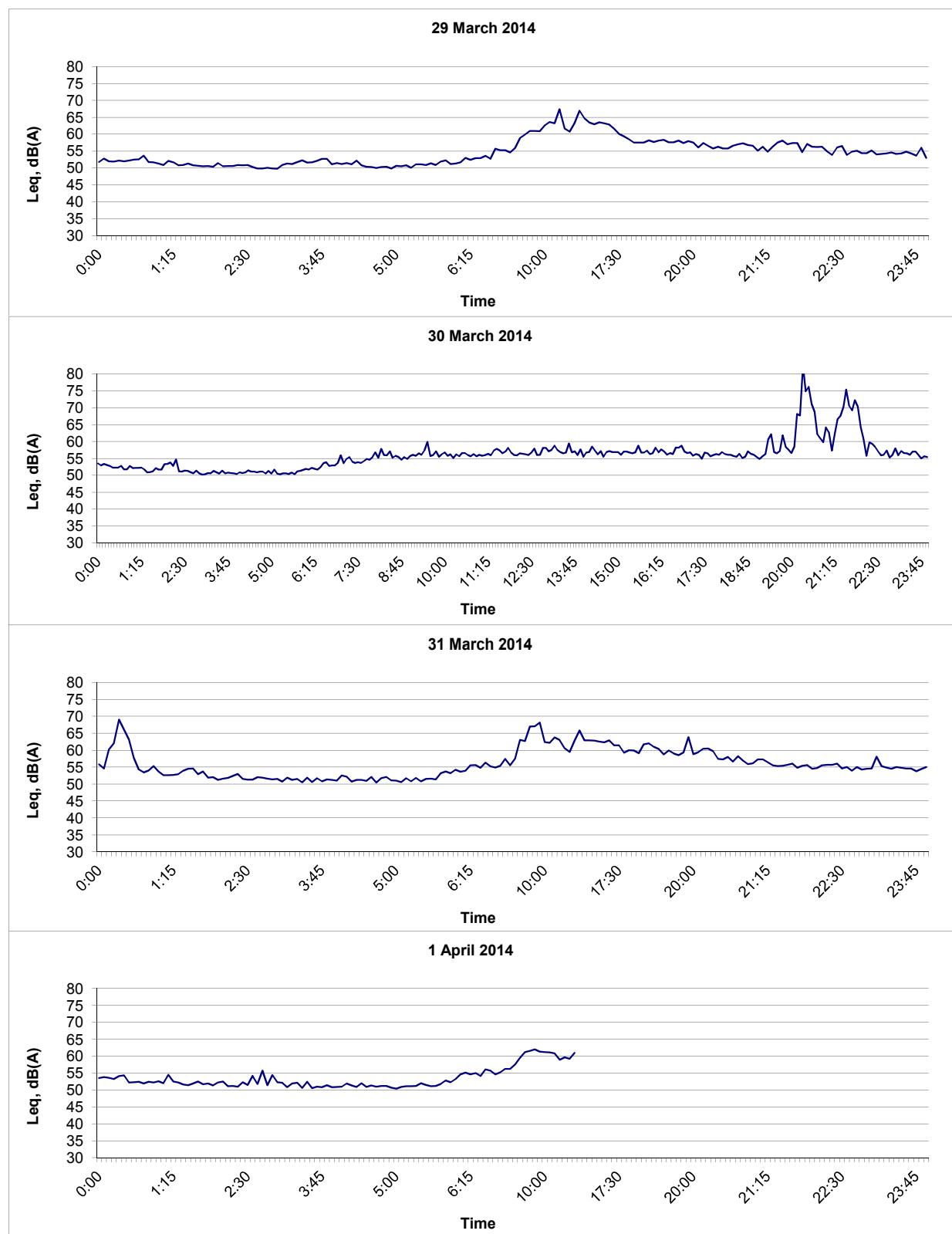
|   |                |                           |          |
|---|----------------|---------------------------|----------|
| Title<br>Contract No. KLN/2010/04<br>Environmental Monitoring Works for Kai Tak Development<br>Graphical Presentation of Baseline Noise Levels at<br>at Tak Long Estate (M10) | Scale<br>N.T.S | Project<br>No.<br>MA14008 | CINOTECH |
|   | Date<br>Apr 14 | Appendix<br>C             |          |

### Noise Level at Tak Long Estate (M10)



|   |                          |                |                           |          |
|---|--------------------------|----------------|---------------------------|----------|
| Title<br>Environmental Monitoring Works for Kai Tak Development<br>Graphical Presentation of Baseline Noise Levels at<br>at Tak Long Estate (M10) | Contract No. KLN/2010/04 | Scale<br>N.T.S | Project<br>No.<br>MA14008 | CINOTECH |
|   | Date<br>Apr 14           |                | Appendix<br>C             |          |

### Noise Level at Tak Long Estate (M10)



|   |                          |                |                           |          |
|---|--------------------------|----------------|---------------------------|----------|
| Title<br>Environmental Monitoring Works for Kai Tak Development<br>Graphical Presentation of Baseline Noise Levels at<br>at Tak Long Estate (M10) | Contract No. KLN/2010/04 | Scale<br>N.T.S | Project<br>No.<br>MA14008 | CINOTECH |
|   | Date<br>Apr 14           |                | Appendix<br>C             |          |

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**APPENDIX D**  
**WEATHER CONDITIONS**

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**APPENDIX D – WEATHER CONDITIONS DURING THE BASELINE NOISE MONITORING PERIOD**

**I. General Information**

| Date          | Mean Air Temperature (°C) | Mean Relative Humidity (%) | Precipitation (mm) |
|---------------|---------------------------|----------------------------|--------------------|
| 13 March 2014 | 18.9 – 23.3               | 63 - 100                   | 0.3                |
| 14 March 2014 | 13.8 – 19.6               | 55 - 88                    | 0.4                |
| 15 March 2014 | 13.8 – 17.7               | 52 – 85                    | Trace              |
| 16 March 2014 | 15.9 – 20.8               | 58 - 87                    | 0                  |
| 17 March 2014 | 17.9 – 23.9               | 81 - 94                    | Trace              |
| 18 March 2014 | 19.7 – 26.0               | 77 – 98                    | 0                  |
| 19 March 2014 | 20.0 – 26.8               | 69 - 95                    | 0                  |
| 20 March 2014 | 17.5 – 24.7               | 66 – 97                    | 0                  |
| 21 March 2014 | 14.7 – 17.5               | 64 - 75                    | Trace              |
| 22 March 2014 | 14.4 – 20.2               | 49 – 80                    | 0                  |
| 23 March 2014 | 15.0 – 21.7               | 54 – 82                    | 0                  |
| 24 March 2014 | 16.1 – 23.0               | 57 – 83                    | 0                  |
| 25 March 2014 | 18.3 – 26.6               | 55 – 87                    | 0                  |
| 26 March 2014 | 19.8 – 25.7               | 65 – 93                    | Trace              |
| 27 March 2014 | 19.9 – 27.4               | 61 – 95                    | 0                  |
| 28 March 2014 | 20.5 – 23.5               | 88 – 95                    | Trace              |
| 29 March 2014 | 20.2 – 22.9               | 88 – 98                    | 19.0               |
| 30 March 2014 | 18.8 – 25.7               | 85 – 99                    | 103.1              |
| 31 March 2014 | 18.5 – 20.9               | 95 – 100                   | 82.6               |
| 1 April 2014  | 19.1 – 21.2               | 94 – 100                   | 8.0                |

\* The above information was extracted from the daily weather summary from King's Park weather station by Hong Kong Observatory.