#### 1) Yearly Estimate - 2025

Works Area = 1,331,230  $m^2$ 

(total area of works contract WC10a, WC11a, WC11b1, WC11b2, WC12a1, WC12b2, WC12b3, WC12b4, WC12c, WC12d, WC21a, WC26 in air quality assessment)

Activity 1 - Site Formation at Fanling Highway Widening, Kwu Tung Interchange and Pak Shek Au Interchange (Work Contract WC10a)

| From:      | 01-Aug-25            | To:          |   | 31-Dec-25 | Duration:                   | 5        | months                          |  |  |
|------------|----------------------|--------------|---|-----------|-----------------------------|----------|---------------------------------|--|--|
| Plant      | Plant Percentage No. |              |   |           | Plan Size                   |          | Area in term of                 |  |  |
|            |                      | of Usage (%) |   | B (m)     | L (m)                       | Area(m²) | Time of Usage (m <sup>2</sup> ) |  |  |
| Backhoe    |                      | 70           | 9 |           |                             | 400      | 2520                            |  |  |
| Generator  |                      | 100          | 9 |           |                             | 400      | 3600                            |  |  |
| Bulldozer  |                      | 50           | 9 |           |                             | 400      | 1800                            |  |  |
| Dump Truck |                      | 70           | 9 |           |                             | 400      | 2520                            |  |  |
|            |                      |              |   |           |                             |          |                                 |  |  |
|            |                      |              |   |           |                             |          |                                 |  |  |
|            |                      |              |   |           |                             |          |                                 |  |  |
|            |                      |              |   |           |                             |          |                                 |  |  |
|            |                      |              |   |           |                             |          |                                 |  |  |
|            |                      |              | • | •         | •                           | Total:   | 10440                           |  |  |
| Activity 1 |                      |              |   | Pe        | Area to Works Area:         | 0.8%     |                                 |  |  |
|            |                      |              | • |           | Percentage of Yearly Usage: |          |                                 |  |  |

# Activity 2 - Site Formation and Engineering Infrastructure at KTN (South) (Work Contract WC11a)

| From:      | 01-Jan-25 | To:  |                             | 31-Dec-25 | Duration: | 12                    | month                           |
|------------|-----------|--|-----------------------------|-----------|-----------|-----------------------|---------------------------------|
| Plant      |           | Percentage No.                               |                             |           | Plan Size |                       | Area in term of                 |
|            |           | of Usage (%)                                 |                             | B (m)     | L (m)     | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Backhoe    |           | 70   | 14                          |           |           | 400                   | 3920                            |
| Generator  |           | 100  | 14                          |           |           | 400                   | 5600                            |
| Bulldozer  |           | 50   | 14                          |           |           | 400                   | 2800                            |
| Dump Truck |           | 70   | 14                          |           |           | 400                   | 3920                            |
|            |           |  |                             |           |           | Total:                | 16240                           |
| Activity 2 |           | Percentage of Usage Area to Works Area: 1.2% |                             |           |           |                       |                                 |
|            |           |  | Percentage of Yearly Usage: |           |           |                       |                                 |

# Activity 3 - Site Formation and Engineering Infrastructure at KTN (South) (Work Contract WC11b1)

| From:      | 01-Aug-25 | To:   |    | 31-Dec-25 | Duration:       | 5                     | month                           |
|------------|-----------|---|----|-----------|-----------------|-----------------------|---------------------------------|
| Plant      |           | Percentage No.                              |    |           | Area in term of |                       |                                 |
|            |           | of Usage (%)                                |    | B (m)     | L (m)           | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Backhoe    |           | 70  | 10 |           |                 | 400                   | 2800                            |
| Generator  |           | 100   | 10 |           |                 | 400                   | 4000                            |
| Bulldozer  |           | 50  | 10 |           |                 | 400                   | 2000                            |
| Dump Truck |           | 70  | 10 |           |                 | 400                   | 2800                            |
|            |           |   |    |           |                 | Total:                | 11600                           |
| Activity 3 |           | Percentage of Usage Area to Works Area: 0.9 |    |           |                 |                       |                                 |
|            |           |   |    |           | Percentag       | ge of Yearly Usage:   | 0.4%                            |

# Activity 4 - Site Formation and Engineering Infrastructure at KTN (South) (Work Contract WC11b2)

| From:      | 01-Aug-25 | To:            |   | 31-Oct-25 | Duration:           | 3                     | month                           |
|------------|-----------|----------------|---|-----------|---------------------|-----------------------|---------------------------------|
| Plant      |           | Percentage No. |   |           | Plan Size           |                       | Area in term of                 |
|            |           | of Usage (%)   |   | B (m)     | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Backhoe    |           | 70             | 1 |           |                     | 400                   | 280                             |
| Generator  |           | 100            | 1 |           |                     | 400                   | 400                             |
| Bulldozer  |           | 50             | 1 |           |                     | 400                   | 200                             |
| Dump Truck |           | 70             | 1 |           |                     | 400                   | 280                             |
|            |           | <u> </u>       |   |           |                     | Total:                | 1160                            |
| Activity 4 |           |                |   | Pe        | rcentage of Usage A | Area to Works Area:   | 0.1%                            |
|            |           |                |   |           | Percentag           | e of Yearly Usage:    | 0.0%                            |

# Activity 5 - Site Formation and Engineering Infrastructure at KTN (North) (Work Contract WC12a)

| From:      | 01-Jan-25 | To:          |     | 31-Dec-25 | 2                | 12                    | months                          |  |
|------------|-----------|--------------|-----|-----------|------------------|-----------------------|---------------------------------|--|
| Plant      |           | Percentage   | No. |           | Plan Size        |                       |                                 |  |
|            |           | of Usage (%) |     | B (m)     | L (m)            | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |  |
| Backhoe    |           | 70           | 11  |           |                  | 400                   | 3080                            |  |
| Generator  |           | 100          | 11  |           |                  | 400                   | 4400                            |  |
| Bulldozer  |           | 50           | 11  |           |                  | 400                   | 2200                            |  |
| Dump Truck |           | 70           | 11  |           |                  | 400                   | 3080                            |  |
|            |           |              |     |           |                  |                       |                                 |  |
|            |           |              |     |           |                  |                       |                                 |  |
|            |           |              |     |           |                  |                       |                                 |  |
|            |           |              | 1   | •         |                  | Total:                | 12760                           |  |
| Activity 5 |           |              |     | Per       | centage of Usage | Area to Works Area:   | 1.0%                            |  |
|            |           |              |     |           | Percenta         | ge of Yearly Usage:   | 1.0%                            |  |

### Kwu Tung North - Active Construction Area Estimate

### 1) Yearly Estimate - 2025

Works Area = 1,331,230  $m^2$ 

(total area of works contract WC10a, WC11a, WC11b1, WC11b2, WC12a1, WC12b2, WC12b3, WC12b4, WC12c, WC12d, WC21a, WC26 in air quality

assessment)

| From:      | 01-Jan-25 | To:          |     | 31-Jan-25 | Duration:           | 1                     | months                          |
|------------|-----------|--------------|-----|-----------|---------------------|-----------------------|---------------------------------|
| Plant      |           | Percentage   | No. |           | Area in term of     |                       |                                 |
|            |           | of Usage (%) |     | B (m)     | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Backhoe    |           | 70           | 4   |           |                     | 200                   | 560                             |
| Generator  |           | 100          | 2   |           |                     | 200                   | 400                             |
| Bulldozer  |           | 50           | 3   |           |                     | 200                   | 300                             |
| Dump Truck |           | 70           | 3   |           |                     | 200                   | 420                             |
|            |           |              |     |           |                     |                       |                                 |
|            |           |              |     |           |                     |                       |                                 |
|            |           |              |     |           |                     | Total:                | 1680                            |
| Activity 6 | •         |              |     | Pe        | rcentage of Usage A | Area to Works Area:   | 0.1%                            |
|            |           |              |     |           | Percentag           | ge of Yearly Usage:   | 0.0%                            |

# Activity 7 - Site Formation and Engineering Infrastructure at KTN (North) (Work Contract WC12b3)

| From:      | 01-Feb-25 | To:          |      | 31-Oct-25 | Duration:           | 9                   | months                          |  |
|------------|-----------|--------------|------|-----------|---------------------|---------------------|---------------------------------|--|
| Plant      |           | Percentage   | No.  |           | Plan Size           |                     |                                 |  |
|            |           | of Usage (%) |      | B (m)     | L (m)               | Area(m²)            | Time of Usage (m <sup>2</sup> ) |  |
| Backhoe    |           | 70           | 7    |           |                     | 200                 | 980                             |  |
| Generator  |           | 100          | 4    |           |                     | 200                 | 800                             |  |
| Bulldozer  |           | 50           | 5    |           |                     | 200                 | 500                             |  |
| Dump Truck |           | 70           | 5    |           |                     | 200                 | 700                             |  |
|            |           |              |      |           |                     |                     |                                 |  |
|            |           |              |      |           |                     |                     |                                 |  |
|            |           | I            | 2980 |           |                     |                     |                                 |  |
| Activity 7 |           |              |      | Pe        | rcentage of Usage A | Area to Works Area: | 0.2%                            |  |
|            |           |              |      |           | Percentag           | ge of Yearly Usage: | 0.2%                            |  |

# Activity 8 - Site Formation and Engineering Infrastructure at KTN (North) (Work Contract WC12b4)

| From:      | 01-Nov-25 | To:          |     | 31-Dec-25 | Duration:           | 2                     | months                          |
|------------|-----------|--------------|-----|-----------|---------------------|-----------------------|---------------------------------|
| Plant      |           | Percentage   | No. |           | Plan Size           |                       | Area in term of                 |
|            |           | of Usage (%) |     | B (m)     | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Backhoe    |           | 70           | 7   |           |                     | 200                   | 980                             |
| Generator  |           | 100          | 4   |           |                     | 200                   | 800                             |
| Bulldozer  |           | 50           | 5   |           |                     | 200                   | 500                             |
| Dump Truck |           | 70           | 5   |           |                     | 200                   | 700                             |
|            |           |              |     |           |                     |                       |                                 |
|            |           |              |     |           |                     |                       |                                 |
|            |           | I            |     |           | I                   | Total:                | 2980                            |
| Activity 8 |           |              |     | Pe        | rcentage of Usage A | Area to Works Area:   | 0.2%                            |
|            |           |              |     |           | Percentag           | ge of Yearly Usage:   | 0.0%                            |

### Activity 9 - Site Formation and Engineering Infrastructure at KTN (North) (Work Contract WC12c)

| From:      | 01-Apr-25 | To:          |     | 31-Dec-25 | Duration:           | 9                     | months                          |
|------------|-----------|--------------|-----|-----------|---------------------|-----------------------|---------------------------------|
| Plant      |           | Percentage   | No. |           | Plan Size           |                       | Area in term of                 |
|            |           | of Usage (%) |     | B (m)     | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Backhoe    |           | 70           | 13  |           |                     | 400                   | 3640                            |
| Generator  |           | 100          | 13  |           |                     | 400                   | 5200                            |
| Bulldozer  |           | 50           | 13  |           |                     | 400                   | 2600                            |
| Dump Truck |           | 70           | 13  |           |                     | 400                   | 3640                            |
|            |           |              |     |           |                     |                       |                                 |
|            |           |              |     |           |                     |                       |                                 |
|            |           |              |     |           |                     |                       |                                 |
|            |           |              |     |           | L                   | Total:                | 15080                           |
| Activity 9 |           |              |     | Pe        | rcentage of Usage A | Area to Works Area:   | 1.1%                            |
|            |           |              |     |           | Percentag           | ge of Yearly Usage:   | 0.9%                            |

#### NDA FIA

#### Kwu Tung North - Active Construction Area Estimate

#### 1) Yearly Estimate - 2025

Works Area = 1,331,230  $m^2$ 

(total area of works contract WC10a, WC11a, WC11b1, WC11b2, WC12a1, WC12b2, WC12b3, WC12b4, WC12c, WC12d, WC21a, WC26 in air quality assessment)

### Activity 10 - Site Formation and Engineering Infrastructure at KTN (North) (Work Contract WC12d)

| From:       | 01-Dec-25 | To:          |     | 31-Dec-25 | Duration:           | 1                     | months                          |  |  |
|-------------|-----------|--------------|-----|-----------|---------------------|-----------------------|---------------------------------|--|--|
| Plant       |           | Percentage   | No. |           | Plan Size           |                       |                                 |  |  |
|             |           | of Usage (%) |     | B (m)     | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |  |  |
| Backhoe     |           | 70           | 13  |           |                     | 400                   | 3640                            |  |  |
| Generator   |           | 100          | 13  |           |                     | 400                   | 5200                            |  |  |
| Bulldozer   |           | 50           | 13  |           |                     | 400                   | 2600                            |  |  |
| Dump Truck  |           | 70           | 13  |           |                     | 400                   | 3640                            |  |  |
|             |           |              |     |           |                     |                       |                                 |  |  |
|             |           |              |     |           |                     |                       |                                 |  |  |
|             |           |              |     |           |                     |                       |                                 |  |  |
|             |           |              |     |           |                     |                       |                                 |  |  |
|             |           |              |     |           |                     |                       |                                 |  |  |
|             |           |              |     |           |                     | Total:                | 15080                           |  |  |
| Activity 10 |           |              |     | Pe        | rcentage of Usage A | Area to Works Area:   | 1.1%                            |  |  |
|             |           |              |     |           | Percentag           | ge of Yearly Usage:   | 0.1%                            |  |  |

#### Activity 11 - Site Formation for HKPF's Sites at KTN and FLN (Work Contract WC21a)

| From:       | 01-Jan-25 | To:          | To:                              |       | Duration:           | 12                    | month                           |  |  |
|-------------|-----------|--------------|----------------------------------|-------|---------------------|-----------------------|---------------------------------|--|--|
| Plant       |           | Percentage   | Percentage No.                   |       | Plan Size           |                       | Area in term of                 |  |  |
|             |           | of Usage (%) |                                  | B (m) | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |  |  |
| Backhoe     |           | 70           | 4                                |       |                     | 400                   | 1120                            |  |  |
| Generator   |           | 100          | 2                                |       |                     | 400                   | 800                             |  |  |
| Bulldozer   |           | 50           | 3                                |       |                     | 400                   | 600                             |  |  |
| Dump Truck  |           | 70           | 3                                |       |                     | 400                   | 840                             |  |  |
|             |           |              |                                  |       |                     | Total:                | 3360                            |  |  |
| Activity 11 |           |              |                                  | Pe    | rcentage of Usage A | Area to Works Area:   | 0.3%                            |  |  |
|             |           |              | Percentage of Yearly Usage: 0.3% |       |                     |                       |                                 |  |  |

# Activity 12 - Site Formation for Trunk Mains from Ngau Tam Mei Primary Service Reservoir to Existing and Proposed FWSR and Pumping Station (Work Contract WC26)

| (WORK CONTRACT W   | <u>(C20)</u> |              |     |           |                     |                       |                                 |
|--------------------|--------------|--------------|-----|-----------|---------------------|-----------------------|---------------------------------|
| From:              | 01-Jan-25    | To:          |     | 31-Dec-25 | Duration:           | 12                    | months                          |
| Plant              |              | Percentage   | No. |           | Plan Size           |                       | Area in term of                 |
|                    |              | of Usage (%) |     | B (m)     | L (m)               | Area(m <sup>2</sup> ) | Time of Usage (m <sup>2</sup> ) |
| Excavator          |              | 70           | 10  |           |                     | 400                   | 2800                            |
| Concrete Mixer Tru | ıck          | 30           | 10  |           |                     | 400                   | 1200                            |
| Generator          |              | 100          | 10  |           |                     | 400                   | 4000                            |
| Asphalt Paver      |              | 50           | 10  |           |                     | 400                   | 2000                            |
| Roller             |              | 50           | 10  |           |                     | 400                   | 2000                            |
|                    |              |              |     |           |                     |                       |                                 |
|                    |              |              |     |           |                     | Total:                | 12000                           |
| Activity 12        |              |              |     | Pe        | rcentage of Usage A |                       |                                 |
| İ                  |              |              |     | ·         | Percentac           | e of Yearly Usage:    | 0.9%                            |

| Combined Percentage for Activities | 5.199% |
|------------------------------------|--------|
|                                    | <6% OK |

#### Note

- 1. All plant that would generate dust emissions during their operation (e.g. excavator) have been included in estimating the active work areas.
- 2. Since the plants do not normally operate continuously throughtout the 12-hour working period, an adjustment by "Percentage of Usage (%)" was adopted for each plant/activity to reflect its estimated hours of operation on a typical working day.
- 3. The actual dust emission area for each plant/activity was estimated and given as "Area", by taking account the maximum area of dust emissions which could be created by the plant/activity at any time instant.
- 4. The actual dust emission area for each hour , which is given as "Area in term of Time of Usage" was estimated by taking account the "Percentage of Usage (%)" of each plant/activity. (i.e. Area in term of Time of Usage (m²) = Area (m²) x Percentage of Usage (%)
- 5. "Percentage of Usage Area to Wroks Area" means the percentage of total actual active area for each plant/activity over the total Works area (i.e. Percentage of Usage Area to Works Area (%) = Total Area in term of Time of Usage for each plant/activity (m2) / Total Works Area (m2)
- 6. "Percentage of Yearly Usage" means the percentage of duration of each plant/activity over the year (12 months)
  (i.e. Percentage of Yearly Usage (%) = Percentage of Usage Area to Works Area for each plant/activity (%) x Duration (months) / 12 (months)
- 7. Justification provided above are for the purpose of assessment predictions only. Actual figures would be defined during detailed design stage.