

Environmental Monitoring Form

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: Substation Construction works
- b) Monitoring Frequency: 1st / 2nd / 3 rd
- c) Monitoring Period: From Date **01 /Month January** Year **2024**
To Date **15 /Month January** Year **2024**

| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|-------|-----------------------|---|-----------------|------------------|---|------|---|
| | | | 1~7/01 /2024 | 8~15/01 /2024 | | | |
| | Day Time (6:00-18:00) | | | | | | |
| | Noise | - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | Commercial Area (< 70dB(A)) is applied for each substation. | | |
| No.1 | GS TK | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 66.2 | - | Activity; Casting concrete in 4 th floor slab was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | Lmax | dB(A) | 66.7 | - | |
| No. 2 | GS TK | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 64.1 | Activity; Formwork removal in TR room was conducted on date 2. Result; within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | Lmax | dB(A) | - | 65.9 | |
| No. 3 | GS5 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 62.8 | - | Activity; Control building: MEP, plastering, painting work. Pump house: Painting work, Install cable trench 230 & switchyard, landslide and install primary equipment in switchyard, u-drain, Earthing installation, excavation work and concrete casting was |
| | | Noise-3 | Lmax | dB(A) | 64.5 | - | |

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|-------|-----|---------|------|-------|------|------|--|
| | | | | | | | conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70 dB(A). |
| No.4 | GS5 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 63.0 | Activity; Control building: MEP, plastering, Painting work. Pump house: Painting work, Install cable trench 230 & switchyard, landslide and install primary equipment in switchyard, u-drain, excavation work and concrete casting was conducted on date 2. Result; within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | Lmax | dB(A) | - | 65.7 | |
| No. 5 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 65.4 | - | Activity; Install ground floor slab rebar, beam, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 1. Result; Within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | Lmax | dB(A) | 67.3 | - | |
| No.6 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 65.4 | Activity; Install ground floor slab rebar, beam, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 2. Result; Within the permission level at |
| | | Noise-3 | Lmax | dB(A) | - | 67.3 | |

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|--|--|--|--|--|--|--|---|
| | | | | | | | Multiple Commercial and services area 70 dB(A). |
|--|--|--|--|--|--|--|---|

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Leq was not measured due to the package 1 contractor's method.)
- The location are specified in Project Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: Substation Construction works
- b) Monitoring Frequency: 1st / 2nd / 3 rd
- c) Monitoring Period: From Date **16** /Month **January** /Year **2024**
 To Date **31** /Month **January** /Year **2024**

| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|-------|---|---------|-------------------|-------------------|--|------|--|
| | | | 16~23/01 /2024 | 24~31/01 /2024 | | | |
| | Day Time (6:00-18:00) Noise - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Commercial Area (< 70 dB(A)) is applied for each substation. | | |
| No.1 | GS TK | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 65.1 | - | Activity; Grinding work in TR room and other floors was conducted on date 1. |
| | | Noise-3 | Lmax | dB(A) | 64.5 | - | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No. 2 | GS TK | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 61.6 | Activity; Formwork removal in 4 th floor slab was conducted date 2. |
| | | Noise-3 | Lmax | dB(A) | - | 63.1 | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No.3 | GS5 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 62.3 | - | Activity; Install heavy electrical equipment, busbars was conducted on date 1. |
| | | Noise-3 | Lmax | dB(A) | 65.0 | - | Result; Within the permission level at Multiple Commercial and services area 70 dB(A). |
| No.4 | GS5 | Noise-1 | Leq | dB(A) | - | - | |

| | | | | | | | |
|------|-----|---------|------------------|-------|------|------|---|
| | | Noise-2 | L _{min} | dB(A) | - | 63.0 | Activity; Install heavy electrical equipment, busbars was conducted on date 2. Result; Within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | L _{max} | dB(A) | - | 64.5 | |
| No.5 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | L _{min} | dB(A) | 65.4 | - | Activity; Install ground floor slab rebar, beam, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 1. Result; Within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | L _{max} | dB(A) | 67.3 | - | |
| No.6 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | L _{min} | dB(A) | - | 65.4 | Activity; Install ground floor column, wall rebar, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 2. Result; Within the permission level at Multiple Commercial and services area 70 dB(A). |
| | | Noise-3 | L _{max} | dB(A) | - | 67.3 | |

Note;

-In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.

-For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval

of the IESIA. (Leq was not measured due to the package 1 contractor's method.)

-The location are specified in Project Map.

-Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: Substation Construction works
- b) Monitoring Frequency: 1st / 2nd / 3 rd
- c) Monitoring Period: From Date **01** Month **February** Year **2024**
 To Date **15** Month **February** Year **2024**

| | Item | Unit | Date1 | Date2 | Remark (Date) | |
|-------|--|------|--------------|---------------|---|--|
| | | | 1~7/02 /2024 | 8~15/02 /2024 | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Commercial Area (< 70dB(A)) is applied for each substation. | |
| No.1 | Noise-1 | Leq | dB(A) | 63.2 | - | |
| | Noise-2 | Lmin | dB(A) | 65.0 | - | Activity; MEP installation work was conducted on date 1. |
| | Noise-3 | Lmax | dB(A) | - | - | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No. 2 | Noise-1 | Leq | dB(A) | - | - | |
| | Noise-2 | Lmin | dB(A) | - | 60.5 | Activity; Brick work was conducted on date 2. |
| | Noise-3 | Lmax | dB(A) | - | 63.2 | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No. 3 | Noise-1 | Leq | dB(A) | - | - | |
| | Noise-2 | Lmin | dB(A) | 63.0 | - | Activity; Control building: MEP, plastering, Painting work. Pump house: |
| | Noise-3 | Lmax | dB(A) | 65.7 | - | Painting work, Install cable trench 230 & switchyard, landslide and install primary equipment in switchyard, u-drain, excavation work and concrete casting was |

| | | | | | | | |
|-------|-----|---------|------|-------|------|------|--|
| | | | | | | | conducted date 1. Result; Within the permission level at Multiple Commercial and services area 70dB(A). |
| No. 4 | GS5 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 60.2 | Activity; Control building: MEP, plastering, painting work. Pump house: Painting work, Install cable trench 230 & switchyard, landslide and install primary equipment in switchyard, u-drain, Earthing installation, excavation work and concrete casting was conducted on date 2. |
| | | Noise-3 | Lmax | dB(A) | - | 62.5 | Result; Within the permission level at Multiple Commercial and services area 70dB(A). |
| No. 5 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 65.4 | - | Activity; Install ground floor column , wall rebar, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 1. |
| | | Noise-3 | Lmax | dB(A) | 67.3 | - | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No.6 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 65.4 | Activity; Install ground floor slab rebar, beam, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 2. |
| | | Noise-3 | Lmax | dB(A) | - | 67.3 | Result; within the |

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|--|--|--|--|--|--|--|---|
| | | | | | | | permission level at Multiple Commercial and services area 70dB(A) |
|--|--|--|--|--|--|--|---|

Note;

-In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.

-For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Leq was not measured due to the package 1 contractor's method.)

-The location are specified in Project Map.

-Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: Substation Construction works
- b) Monitoring Frequency: 1st / 2nd / 3 rd
- c) Monitoring Period: From Date **16** Month **February** Year **2024**
 To Date **29** Month **February** Year **2024**

| | Item | Unit | Date1 | Date2 | Remark (Date) | |
|-------|--------------------------------|---|-------------------|-------------------|------------------|---|
| | | | 16~23/02 /2024 | 24~29/02 /2024 | | |
| | Day Time (6:00-18:00) Noise | | | | | Commercial Area (< 70dB(A)) is applied for each substation. |
| | | - Residential Area :60 dB(A) | | | | |
| | | - Multiple Commercial and services Area: 70dB(A) | | | | |
| | | - Multiple light industries mix with residential area :75 dB(A) | | | | |
| No.1 | Noise-1 | Leq | dB(A) | - | - | |
| | Noise-2 | Lmin | dB(A) | 65.1 | - | Activity; Grinding work in TR room and other floors was conducted on date 1. |
| | Noise-3 | Lmax | dB(A) | 66.0 | - | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No. 2 | Noise-1 | Leq | dB(A) | - | - | |
| | Noise-2 | Lmin | dB(A) | - | 64.6 | Activity; Roof steel structures installation was conducted on date 2. |
| | Noise-3 | Lmax | dB(A) | - | 66.7 | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No. 3 | Noise-1 | Leq | dB(A) | - | - | |
| | Noise-2 | Lmin | dB(A) | 63.0 | - | Activity; Control building: MEP, Painting work. Switchyard land slide and install primary equipment in switchyard, u-drain, excavation work and |
| | Noise-3 | Lmax | dB(A) | 64.5 | - | |

| | | | | | | | |
|-------|-----|---------|------|-------|------|------|--|
| | | | | | | | concrete casting was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No.4 | GS5 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 55.5 | Activity; Install heavy electrical equipment, busbars was conducted on date 2. |
| | | Noise-3 | Lmax | dB(A) | - | 57.3 | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No. 5 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | 65.4 | - | Activity; Install ground floor slab rebar, beam, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 1. |
| | | Noise-3 | Lmax | dB(A) | 67.3 | - | Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No.6 | GS3 | Noise-1 | Leq | dB(A) | - | - | |
| | | Noise-2 | Lmin | dB(A) | - | 65.4 | Activity; Install ground floor column , wall rebar, cable trench, foundation transformer, excavation and backfill, Lean concrete and concrete casting was conducted on date 2. |
| | | Noise-3 | Lmax | dB(A) | - | 67.3 | Result; within the permission level at Multiple Commercial and services area 70dB(A) |

Note;

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- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Leq was not measured due to the package 1 contractor's method.)
- The location are specified in Project Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: Substation Construction works
- b) Monitoring Frequency: 1st / 2nd / 3 rd
- c) Monitoring Period: From Date **01** Month **March** Year **2024**
 To Date **27** Month **March** Year **2024**

| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|------|-----------------------|---|----------------|----------------|---|------|---|
| | | | 13/03 /2024 | 25/03 /2024 | | | |
| | Day Time (6:00-18:00) | | | | | | |
| | Noise | - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | Commercial Area (< 70dB(A)) is applied for each substation. | | |
| No.1 | GS TK | Noise-1 | Leq | dB(A) | 65.3 | - | Activity; Install roof floor steel work, install brick wall, TR room grinding, MEP work was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| | | Noise-2 | Lmin | dB(A) | 67.8 | - | |
| | | Noise-3 | Lmax | dB(A) | 69.2 | - | |
| No.2 | GS TK | Noise-1 | Leq | dB(A) | - | 64.5 | Activity; Install roof floor steel work, install brick wall, TR room grinding, MEP work, roof tile was conducted on date 2. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | 65.3 | |
| | | Noise-3 | Lmax | dB(A) | - | 67.2 | |
| No.3 | GS5 | Noise-1 | Leq | dB(A) | 65.6 | - | Activity; Brick and plaster work, Drainage RC work, Install M/H, Building painting work, Duct bank construction work, Fire Fighting |
| | | Noise-2 | Lmin | dB(A) | 63.2 | - | |
| | | Noise-3 | Lmax | dB(A) | 67.5 | - | |

| | | | | | | | |
|------|-----|---------|------|-------|------|------|---|
| | | | | | | | installation work was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| No.4 | GS5 | Noise-1 | Leq | dB(A) | - | 64.3 | Activity; Brick and plaster work, Drainage RC work, Install M/H, Building painting work, Duct bank construction work, Fire Fighting installation work was conducted on date 2. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | 62.5 | |
| | | Noise-3 | Lmax | dB(A) | - | 66.1 | |
| No.5 | GS3 | Noise-1 | Leq | dB(A) | 62.4 | - | Activity; Steel structure work, Column and Wall rebar work, Concrete work, TR foundation work, arrangement at First floor, Cable trench construction work was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| | | Noise-2 | Lmin | dB(A) | 65.3 | - | |
| | | Noise-3 | Lmax | dB(A) | 67.5 | - | |
| No.6 | GS3 | Noise-1 | Leq | dB(A) | - | 63.7 | Activity; Column and Wall rebar work, Concrete work, TR foundation work, arrangement at First floor, Cable trench construction work, site cleaning and preparation for Transformer |
| | | Noise-2 | Lmin | dB(A) | - | 65.6 | |
| | | Noise-3 | Lmax | dB(A) | - | 67.4 | |

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|--|--|--|--|--|--|--|--|
| | | | | | | | transportation was conducted on date 2. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
|--|--|--|--|--|--|--|--|

Note;

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-For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA.

-The location are specified in Project Map.

-Noise is generally monitored by the value of “Leq”, and “Lmax” is higher than “Leq”. So, it is sufficient if either “Leq” or “Lmax” satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: Substation Construction works
- b) Monitoring Frequency: 1st / 2nd / 3 rd
- c) Monitoring Period: From Date **01** Month **March** Year **2024**
 To Date **31** Month **March** Year **2024**

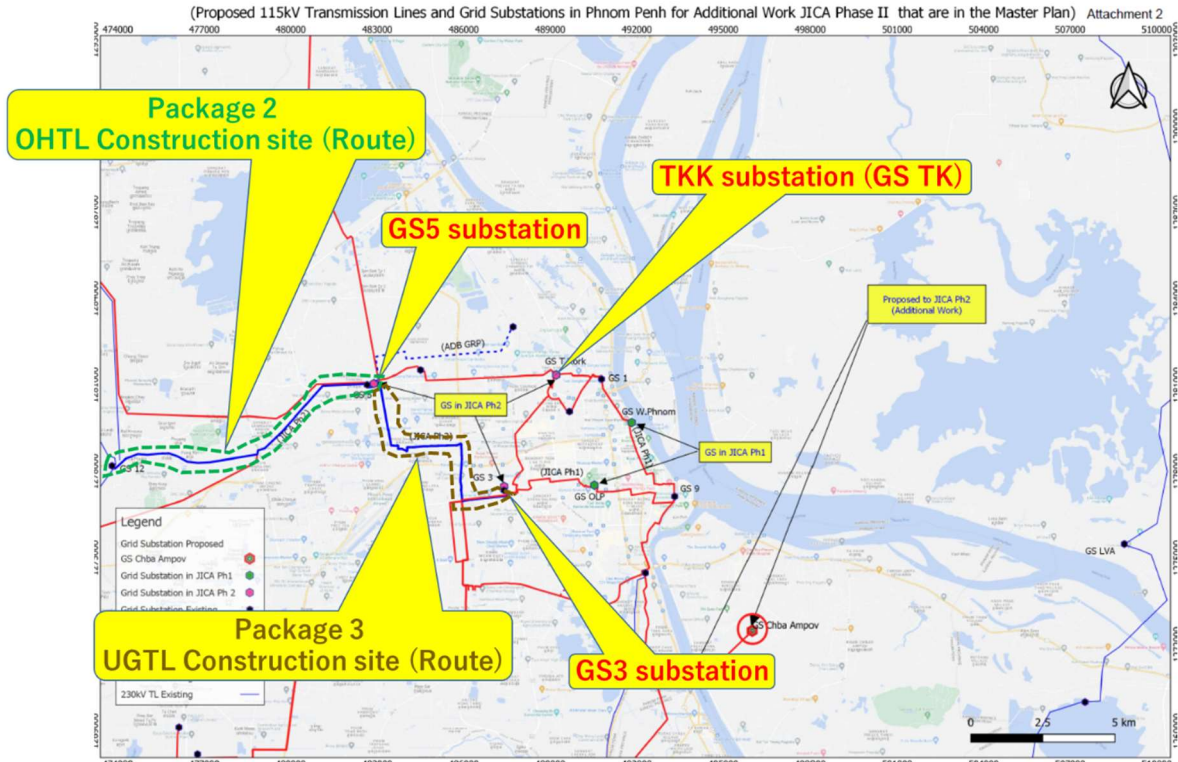
| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|------|--|---------|----------------|-------|--|---|---|
| | | | 30/03 /2024 | | | | |
| | Day Time (6:00-18:00) Noise - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Commercial Area (< 70 dB(A)) is applied for each substation. | | |
| No.1 | GS TK | Noise-1 | Leq | dB(A) | 65.3 | - | Activity; Flame work, Install brick wall, TR room grinding, MEP work, site cleaning was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| | | Noise-2 | Lmin | dB(A) | 66.7 | - | |
| | | Noise-3 | Lmax | dB(A) | 67.3 | - | |
| No.2 | GS5 | Noise-1 | Leq | dB(A) | 63.2 | - | Activity; Brick and plaster work, Drainage RC work, Install M/H, Duct bank construction work, Fire Fighting installation work was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| | | Noise-2 | Lmin | dB(A) | 61.5 | - | |
| | | Noise-3 | Lmax | dB(A) | 65.8 | - | |
| No.3 | GS3 | Noise-1 | Leq | dB(A) | 62.5 | - | Activity; Column and Wall rebar work, Concrete work, arrangements at First floor, Cable trench |
| | | Noise-2 | Lmin | dB(A) | 64.3 | - | |
| | | Noise-3 | Lmax | dB(A) | 66.4 | - | |

| | | | | | | | |
|--------|---|--|--|--|--|--|---|
| | | | | | | | construction work was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A) |
| Others | For the 4 th quarter there are no complaints from others as for package 1's construction work. | | | | | | |

Note;

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- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA.
- The location are specified in Project Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Project Map



Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: Foundation and tower erection (Overhead TL works)

b) Monitoring Frequency: 6th

c) Monitoring Period: From Date: 01 Month: January Year: 2024

To Date: 31 Month: January Year: 2024

| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|------|--|---------|----------|----------|--|---|---|
| | | | 03/01/24 | 10/01/24 | | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each tower. | | |
| No.1 | Tower 5 | Noise-1 | Leq | dB(A) | 54 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.2 | Tower 6 | Noise-1 | Leq | dB(A) | 51 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.3 | Tower 13 | Noise-1 | Leq | dB(A) | 52 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.4 | Tower 14 | Noise-1 | Leq | dB(A) | 54 | - | Activity; Drilling, Casting concrete was conducted |
| | | Noise-2 | Lmin | dB(A) | - | - | |

| | | | | | | | |
|------|-------------|---------|------|-------|---|----|--|
| | | Noise-3 | Lmax | dB(A) | - | - | on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| No.5 | Tower 18 | Noise-1 | Leq | dB(A) | - | 52 | Activity; Drilling, Casting concrete was conducted on date 2. |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| No.6 | Tower 24 | Noise-1 | Leq | dB(A) | - | 58 | Activity; Drilling, Casting concrete was conducted on date 2. |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| No.7 | Tower 25 | Noise-1 | Leq | dB(A) | - | 59 | Activity; Drilling, Casting concrete was conducted on date 2. |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Lmax and Lmin was not measured due to the package 2 contractor's method.)
- The location are specified in OHTL Route Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: Foundation and tower erection (Overhead TL works)

b) Monitoring Frequency: 6th

c) Monitoring Period: From Date: 01 Month: January Year: 2024

To Date: 31 Month: January Year: 2024

| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|-------|--|---------|----------|----------|--|----|---|
| | | | 10/01/24 | 17/01/24 | | | |
| | Day Time (6:00-18:00) Noise - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each tower. | | |
| No.8 | Tower 26 | Noise-1 | Leq | dB(A) | 58 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.9 | Tower 27 | Noise-1 | Leq | dB(A) | 57 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.10 | Tower 28 | Noise-1 | Leq | dB(A) | 54 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.11 | Tower 29 | Noise-1 | Leq | dB(A) | - | 53 | Activity; Drilling, Casting concrete was conducted |
| | | Noise-2 | Lmin | dB(A) | - | - | |

| | | | | | | | |
|-------|-------------|---------|------------------|-------|---|----|--|
| | | Noise-3 | L _{max} | dB(A) | - | - | on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| No.12 | Tower 30 | Noise-1 | Leq | dB(A) | - | 53 | Activity; Drilling, Casting concrete was conducted on date 2. |
| | | Noise-2 | L _{min} | dB(A) | - | - | |
| | | Noise-3 | L _{max} | dB(A) | - | - | Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (L_{max} and L_{min} was not measured due to the package 2 contractor's method.)
- The location are specified in OHTL Route Map.
- Noise is generally monitored by the value of "Leq", and "L_{max}" is higher than "Leq". So, it is sufficient if either "Leq" or "L_{max}" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: Foundation and tower erection (Overhead TL works)

b) Monitoring Frequency: 6th

c) Monitoring Period: From Date: 01 Month: February Year: 2024
 To Date: 29 Month: February Year: 2024

| | Item | Unit | Date | | Remark (Date) | | |
|------|-----------------------|---|----------|----------|--|----|---|
| | | | 02/02/24 | 09/02/24 | | | |
| | Day Time (6:00-18:00) | | | | | | |
| | Noise | - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | Light industries mix with residential area (< 75 dB(A)) is applied for each tower. | | |
| No.1 | Tower 4 | Noise-1 | Leq | dB(A) | 43 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.2 | Tower 13 | Noise-1 | Leq | dB(A) | 55 | - | Activity; Drilling, Casting concrete was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |
| No.3 | Tower 29 | Noise-1 | Leq | dB(A) | - | 51 | Activity; Drilling, Casting concrete was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | |

Note;

-In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are

depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.

-For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Lmax and Lmin was not measured due to the package 2 contractor's method.)

-The location are specified in OHTL Route Map.

-Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: Foundation and tower erection (Overhead TL works)

b) Monitoring Frequency: 6th

c) Monitoring Period: From Date: 01 Month: March Year: 2024
 To Date: 31 Month: March Year: 2024

| | | Item | Unit | Date | | Remark | |
|------|----------|--|------|---------|---------|--|---|
| | | | | 1/03/24 | 8/03/24 | | |
| | | Day Time (6:00-18:00) Noise - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each tower. | |
| No.1 | Tower 25 | Noise-1 | Leq | dB(A) | 60 | - | Activity; 2 nd Casting was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | 50 | - | |
| | | Noise-3 | Lmax | dB(A) | 90 | - | |
| No.2 | Tower 25 | Noise-1 | Leq | dB(A) | - | 57 | Activity; Dismantle Form was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | 52 | |
| | | Noise-3 | Lmax | dB(A) | - | 73 | |
| No.3 | Tower 31 | Noise-1 | Leq | dB(A) | 59 | - | Activity; Tower Election was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | 51 | - | |
| | | Noise-3 | Lmax | dB(A) | 85 | - | |
| No.4 | Tower 31 | Noise-1 | Leq | dB(A) | - | 58 | Activity; Tower Election was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | 52 | |
| | | Noise-3 | Lmax | dB(A) | - | 78 | |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA.
- The location are specified in OHTL Route Map.
- Noise is generally monitored by the value of “Leq”, and “Lmax” is higher than “Leq”. So, it is sufficient if either “Leq” or “Lmax” satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: Foundation and tower erection (Overhead TL works)

b) Monitoring Frequency: 6th

c) Monitoring Period: From Date: 01 Month: March Year: 2024

To Date: 31 Month: March Year: 2024

| | Item | Unit | Date3 | Date4 | Remark | | |
|------|--|---------|----------|----------|--|----|---|
| | | | 15/03/24 | 21/03/24 | | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each tower. | | |
| No.1 | Tower 25 | Noise-1 | Leq | dB(A) | 57 | - | Activity; Dismantle form was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | 53 | - | |
| | | Noise-3 | Lmax | dB(A) | 70 | - | |
| No.2 | Tower 25 | Noise-1 | Leq | dB(A) | - | 59 | Activity; Tower Election was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | 53 | |
| | | Noise-3 | Lmax | dB(A) | - | 85 | |
| No.3 | Tower 31 | Noise-1 | Leq | dB(A) | 59 | - | Activity; Tower Election was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | 52 | - | |
| | | Noise-3 | Lmax | dB(A) | 82 | - | |
| No.4 | Tower | Noise-1 | Leq | dB(A) | - | 57 | Activity; Tower |

| | | | | | | | |
|--|----|---------|------|-------|---|----|--|
| | 31 | Noise-2 | Lmin | dB(A) | - | 53 | Election was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-3 | Lmax | dB(A) | - | 75 | |

Note;

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- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA.
- The location are specified in OHTL Route Map.
- Noise is generally monitored by the value of “Leq”, and “Lmax” is higher than “Leq”. So, it is sufficient if either “Leq” or “Lmax” satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: Foundation and tower erection (Overhead TL works)

b) Monitoring Frequency: 6th

c) Monitoring Period: From Date: 01 Month: March Year: 2024
 To Date: 31 Month: March Year: 2024

| | | Item | Unit | Date5 | Date6 | Remark | |
|------|----------|--|------|----------|----------|--|---|
| | | | | 25/03/24 | 28/03/24 | | |
| | | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each tower. | |
| No.1 | Tower 25 | Noise-1 | Leq | dB(A) | 57 | - | Activity; Tower Election was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | 52 | - | |
| | | Noise-3 | Lmax | dB(A) | 70 | - | |
| No.2 | Tower 25 | Noise-1 | Leq | dB(A) | - | 57 | Activity; Tower Election was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | 51 | |
| | | Noise-3 | Lmax | dB(A) | - | 70 | |
| No.3 | Tower 31 | Noise-1 | Leq | dB(A) | 57 | - | Activity; Tower Election was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | 51 | - | |
| | | Noise-3 | Lmax | dB(A) | 82 | - | |
| No.4 | Tower 31 | Noise-1 | Leq | dB(A) | - | 58 | Activity; Tower Election was conducted on date |
| | | Noise-2 | Lmin | dB(A) | - | 51 | |

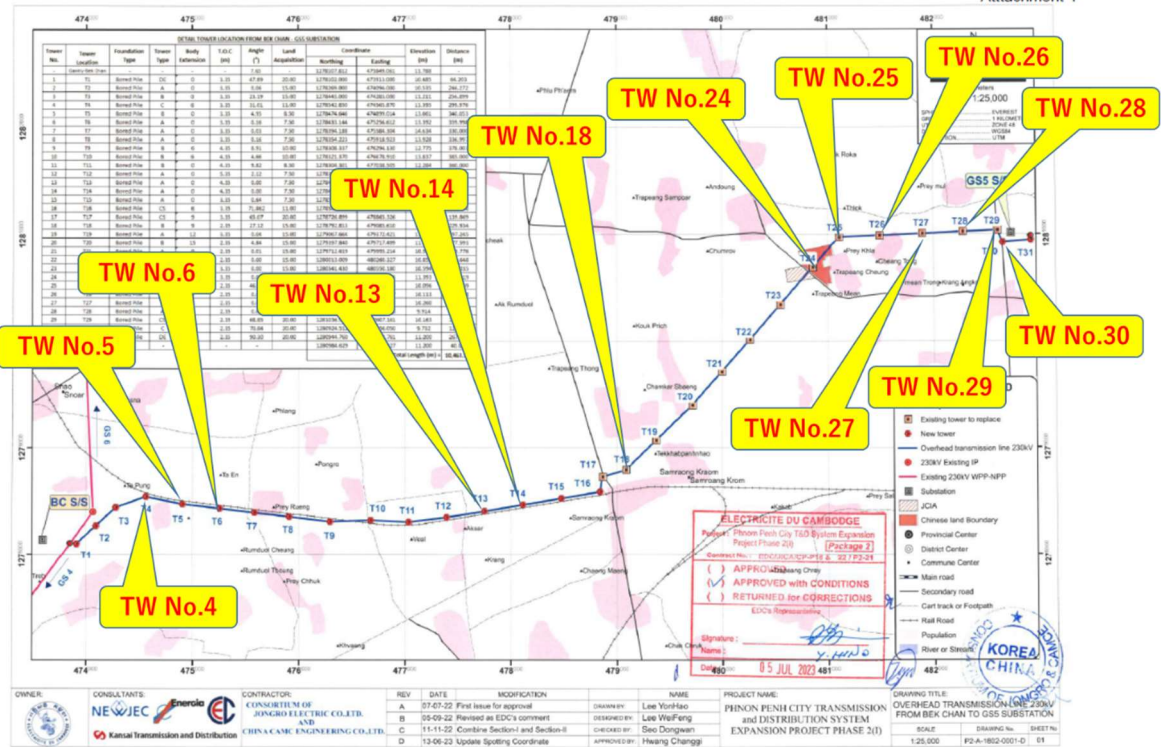
| | | | | | | | |
|--------|---|---------|------------------|-------|---|----|--|
| | | Noise-3 | L _{max} | dB(A) | - | 79 | 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| Others | For the 4th quarter there are no complaints from others as for package 2's construction work. | | | | | | |

Note;

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- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA.
- The location are specified in OHTL Route Map.
- Noise is generally monitored by the value of "Leq", and "L_{max}" is higher than "Leq". So, it is sufficient if either "Leq" or "L_{max}" satisfies the standard value.

OHTL Route Map

Attachment 4



*At the points of tower 1~3, 7~12, 15~17, 19~23, no construction work was implemented or construction work that generates noise was not be implemented.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: PFP Pipe and Manhole Installation (UGTL works)

b) Monitoring Frequency: 1st / 2nd / 3rd

c) Monitoring Period: From 1st January 2024

To 31th January 2024

| | Item | Unit | Date1 | Date2 | Date3 | Remark (Date) | | |
|------|--|---------|----------|----------|---------|---|----|---|
| | | | 02/01/24 | 03/01/24 | 4/01/24 | | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each construction areas. | | |
| No.1 | Span -1 PK-4+947 to PK-5+058 | Noise-1 | Leq | dB(A) | 73 | - | - | Activity; Road Cutting was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | - | |
| No.2 | Ditto | Noise-1 | Leq | dB(A) | - | 73 | - | Activity; Removing top concrete was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | - | |
| No.3 | Ditto | Noise-1 | Leq | dB(A) | - | - | 71 | Activity; Trench Excavation was conducted on date 3. Result; within the |
| | | Noise-2 | Lmin | dB(A) | - | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | - | |

| | | | | | | | | |
|------|-------|---------|------|-------|---|---|----|---|
| | | | | | | | | permission level at Multiple light industries mix with residential area 75dB(A) |
| No.4 | Ditto | Noise-1 | Leq | dB(A) | - | - | 66 | Activity; Pipe Installation was conducted on date 3. Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |
| | | Noise-2 | Lmin | dB(A) | - | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | - | |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Lmin and Lmax were not measured due to the package 3 contractor's method.)
- The location are specified in UGTL Route Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

- a) Type of work: PFP Pipe and Manhole Installation (UGTL works)
 b) Monitoring Frequency: 1st / 2nd / 3 rd
 c) Monitoring Period: From 1st January 2024
 To 31th January 2024

| | Item | Unit | Date1 | Date2 | Remark (Date) | | |
|------|--|---------|----------|-------|---|---|--|
| | | | 06/01/24 | | | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75 dB(A)) is applied for each construction areas. | | |
| No.1 | Span -1 | Noise-1 | Leq | dB(A) | 73 | - | Activity; Soil Backfills was conducted on date 1. |
| | | Noise-2 | Lmin | dB(A) | - | - | |
| | PK-4+947 to PK-5+058 | Noise-3 | Lmax | dB(A) | - | - | Result; within the permission level at Multiple light industries mix with residential area 75dB(A) |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Lmin and Lmax were not measured due to the package 3 contractor’s method.)
- The location are specified in UGTL Route Map.
- Noise is generally monitored by the value of “Leq”, and “Lmax” is higher than “Leq”. So, it is sufficient if either “Leq” or “Lmax” satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: PFP Pipe and Manhole Installation (UGTL works)

b) Monitoring Frequency: 1st / 2nd / 3 rd

c) Monitoring Period: From 1st February 2024
To 29th February 2024

| | Item | Unit | Date | Date | Date | Remark (Date) | |
|------|--|------|----------|----------|----------|--|---|
| | | | 01/02/24 | 02/02/24 | 03/02/24 | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | | Light industries mix with residential area (< 75dB(A)) is applied for each construction areas. | |
| No.1 | Noise-1 | Leq | dB(A) | 74 | - | - | Activity; Road Cutting was conducted on date 1. Result; within the permission level at Multiple light industries mix with residential area 75dB(A). The recorded data 74dBA is maximum noise in of all locations. Because same kind of works and /or no noise generation works was conducted at many place, so it is not reasonable if all of data reported separately. |
| | Noise-2 | Lmin | dB(A) | - | - | - | |
| | Noise-3 | Lmax | dB(A) | - | - | - | |
| No.2 | Noise-1 | Leq | dB(A) | - | 74 | - | Activity; Road Cutting was conducted on date 2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A). The recorded data 74dBA is maximum noise in of all locations. Because same kind of works and /or no noise generation works was conducted at many place, so |
| | Noise-2 | Lmin | dB(A) | - | - | - | |
| | Noise-3 | Lmax | dB(A) | - | - | - | |

| | | | | | | | | |
|------|---------------------------|---------|------|-------|---|---|----|---|
| | | | | | | | | it is not reasonable if all of data reported separately. |
| No.3 | MH1, MH2 and MH4 | Noise-1 | Leq | dB(A) | - | - | 69 | Activity; Road Cutting was conducted on date 3. Result; within the permission level at Multiple light industries mix with residential area 75dB(A). The recorded data 74dBA is maximum noise in of all locations. Because same kind of works and /or no noise generation works was conducted at many place, so it is not reasonable if all of data reported separately. |
| | | Noise-2 | Lmin | dB(A) | - | - | - | |
| | | Noise-3 | Lmax | dB(A) | - | - | - | |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Lmin and Lmax were not measured due to the package 3 contractor's method.)
- The location are specified in UGTL Route Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: PFP Pipe and Manhole Installation (UGTL works)

b) Monitoring Frequency: 1st / 2nd / 3 rd

c) Monitoring Period: From 1st February 2024
To 29th February 2024

| | Item | Unit | Date1 | Date2 | Remark (Date) | |
|------|--|------|----------|----------|--|--|
| | | | 04/02/24 | 06/02/24 | | |
| | Day Time (6:00-18:00) Noise <ul style="list-style-type: none"> - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | Light industries mix with residential area (< 75dB(A)) is applied for each construction areas. | |
| No.1 | Noise-1 | Leq | dB(A) | 68 | - | Activity; Pipe Installation was conducted on date1. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). The recorded data 68dBA is maximum noise in of all locations. Because same kind of works and /or no noise generation works was conducted at many place, so it is not reasonable if all of data reported separately. |
| | Noise-2 | Lmin | dB(A) | - | - | |
| | Noise-3 | Lmax | dB(A) | - | - | |
| No.2 | Noise-1 | Leq | dB(A) | - | 74 | Activity; Pipe Installation was conducted on date2. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). The recorded data 68dBA is maximum noise in of all locations. Because same kind of works and /or no noise generation works was conducted at many place, so it is not reasonable if all of data reported separately. |
| | Noise-2 | Lmin | dB(A) | - | - | |
| | Noise-3 | Lmax | dB(A) | - | - | |

Note;

- In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.
- For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA. (Lmin and Lmax were not measured due to the package 3 contractor's method.)
- The location are specified in UGTL Route Map.
- Noise is generally monitored by the value of "Leq", and "Lmax" is higher than "Leq". So, it is sufficient if either "Leq" or "Lmax" satisfies the standard value.

Monitoring Form: Monitoring of Noise and Vibration

a) Type of work: PFP Pipe and Manhole Installation (UGTL works)

b) Monitoring Frequency: 1st / 2nd / 3rd

c) Monitoring Period: From 1st March 2024

To 31th March 2024

| | Item | Unit | Date1 | Date2 | Date3 | Remark (Date) | | |
|--------|---|---------|----------------|----------------|---------------------|--|----|---|
| | | | 01/03 /2024 | 08/03 /2024 | 15/03 /2024 4 | | | |
| | Day Time (6:00-18:00) Noise - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A) | | | | | Light industries mix with residential area (< 75dB(A)) is applied for each construction areas. | | |
| No.1 | MH3 | Noise-1 | Leq | dB(A) | 67 | 68 | 65 | Activity; Concrete cutting, Excavation, Earthing work, MH Installation, Soil Backfills and so on was conducted at each location. Same kind of works was conducted in stage at all of locations, and/or no noise generation works at there. Therefore it is not reasonable if all of data/activities reported separately. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). |
| | | Noise-2 | Lmin | dB(A) | 53 | 57 | 53 | |
| | | Noise-3 | Lmax | dB(A) | 79 | 84 | 77 | |
| No.2 | MH6 | Noise-1 | Leq | dB(A) | 69 | 70 | 70 | Activity; Concrete cutting, Excavation, Earthing work, MH Installation, Soil Backfills and so on was conducted at each location. Same kind of works was conducted in stage at all of locations, and/or no noise generation works at there. Therefore it is not reasonable if all of data/activities reported separately. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). |
| | | Noise-2 | Lmin | dB(A) | 52 | 54 | 59 | |
| | | Noise-3 | Lmax | dB(A) | 81 | 79 | 82 | |
| No.3 | MH7 | Noise-1 | Leq | dB(A) | 70 | 70 | 69 | Activity; Concrete cutting, Excavation, Earthing work, MH Installation, Soil Backfills and so on was conducted at each location. Same kind of works was conducted in stage at all of locations, and/or no noise generation works at there. Therefore it is not reasonable if all of data/activities reported separately. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). |
| | | Noise-2 | Lmin | dB(A) | 65 | 65 | 55 | |
| | | Noise-3 | Lmax | dB(A) | 82 | 77 | 81 | |
| No.4 | MH9 | Noise-1 | Leq | dB(A) | 68 | 70 | 70 | Activity; Concrete cutting, Excavation, Earthing work, MH Installation, Soil Backfills and so on was conducted at each location. Same kind of works was conducted in stage at all of locations, and/or no noise generation works at there. Therefore it is not reasonable if all of data/activities reported separately. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). |
| | | Noise-2 | Lmin | dB(A) | 58 | 63 | 62 | |
| | | Noise-3 | Lmax | dB(A) | 83 | 79 | 84 | |
| No.5 | MH10 | Noise-1 | Leq | dB(A) | 66 | 69 | 67 | Activity; Concrete cutting, Excavation, Earthing work, MH Installation, Soil Backfills and so on was conducted at each location. Same kind of works was conducted in stage at all of locations, and/or no noise generation works at there. Therefore it is not reasonable if all of data/activities reported separately. Result; within the permission level at Multiple light industries mix with residential area 75 dB(A). |
| | | Noise-2 | Lmin | dB(A) | 57 | 58 | 57 | |
| | | Noise-3 | Lmax | dB(A) | 81 | 78 | 81 | |
| Others | For the 4 th quarter there are no complaints from others as for package 3's construction work. | | | | | | | Multiple light industries mix with residential area 75 dB(A). |

Note;

-In case of the field is blank, it was no working the site or not doing work that generate noise on that day. Also some field is blank according to

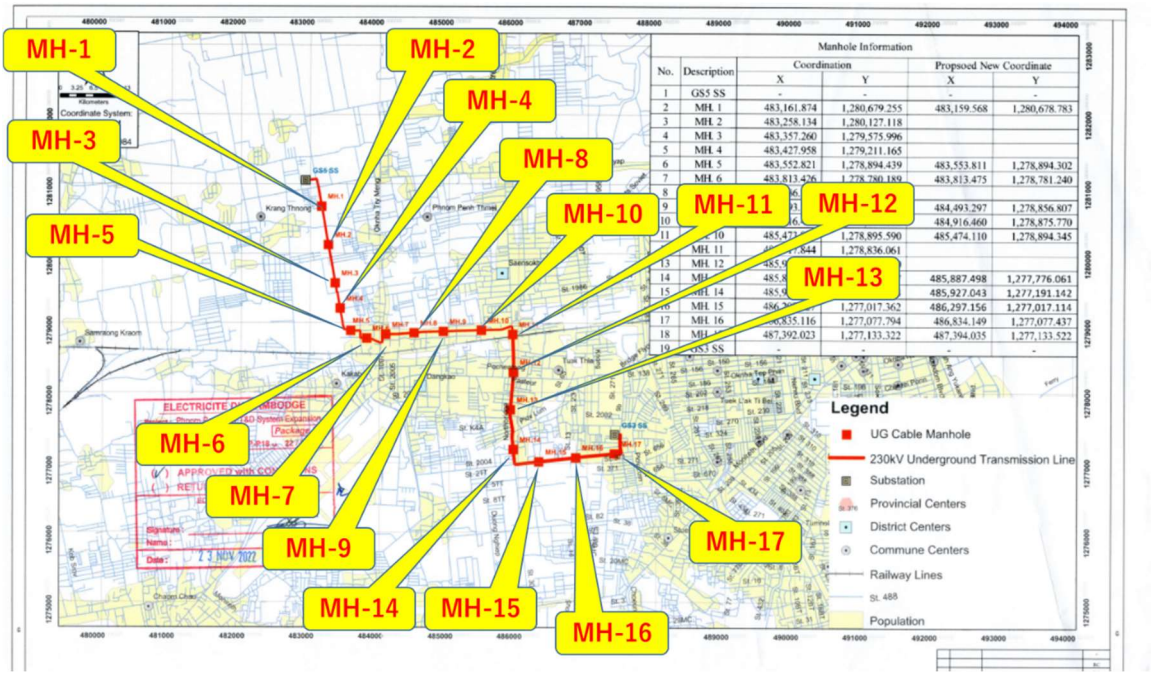
the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.

-For methodology of measurement depends on real methodology at site. It is clearly mentioned in the regulation which was revised after approval of the IESIA.

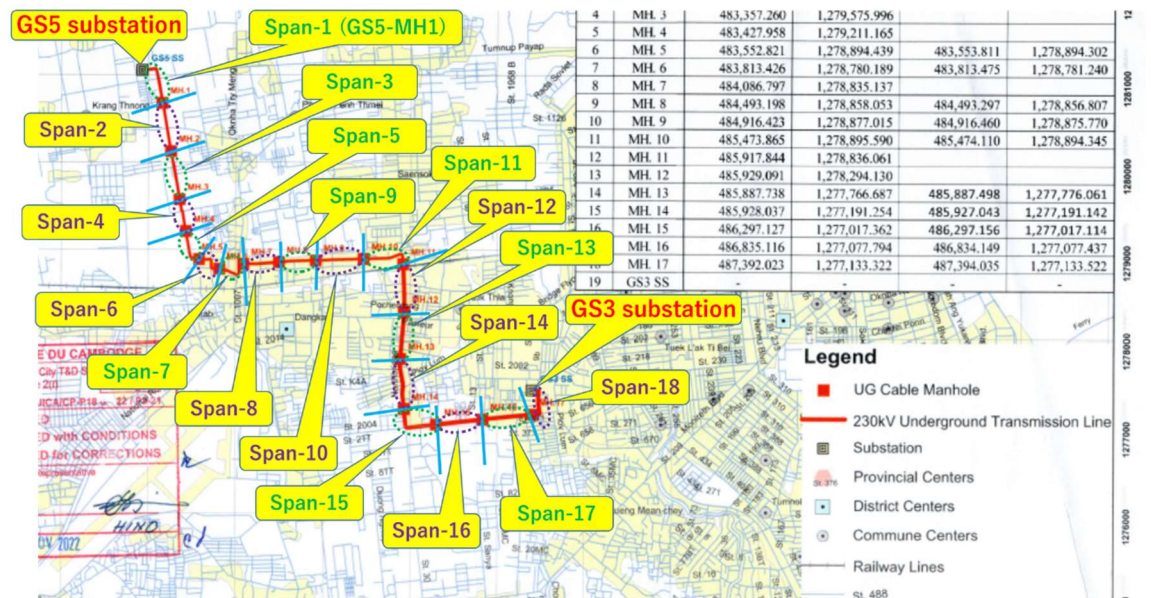
-The location are specified in UGTL Route Map.

-Noise is generally monitored by the value of “Leq”, and “Lmax” is higher than “Leq”. So, it is sufficient if either “Leq” or “Lmax” satisfies the standard value.

UGTL Route Map (1/2)



UGTL Route Map (2/2)



*As for span 2, 5, 12~18, no construction work was implemented or construction work that generates noise was not be implemented

Monitoring Form: Monitoring of Waste Management

a) Detail of location: GS5 , GS TK , GS 3

b) Type of work: Substation Construction works

c) Monitoring Period: From Date **01** Month **January** Year **2024**
 To Date **31** Month **January** Year **2024**

| No. | Type of waste | Volume (Unit) | Detail | Treatment Measure | Remark |
|--------------|-------------------|---------------|-----------------|---|--|
| GS5 | | | | | |
| 1 | Construction soil | 0.0(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.4(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.07(ton) | Two week/ Month | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
| GS TK | | | | | |

| | | | | | |
|-------------|-------------------|-----------|---------|---|--|
| 1 | Construction soil | 0.3(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.3(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.04(ton) | Weekly | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
| GS 3 | | | | | |
| 1 | Construction soil | 0.3(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.3(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |

| | | | | | |
|---|---------------|-----------|--------|---|--|
| 3 | Kitchen Waste | 0.04(ton) | Weekly | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
|---|---------------|-----------|--------|---|--|

Monitoring Form: Monitoring of Waste Management

a) Detail of location: GS5 , GS TK , GS 3

b) Type of work: Substation Construction works

c) Monitoring Period: From Date **01** Month **February** Year **2024**
 To Date **29** Month **February** Year **2024**

| No. | Type of waste | Volume (Unit) | Detail | Treatment Measure | Remark |
|--------------|-------------------|---------------|-----------------|---|--|
| GS5 | | | | | |
| 1 | Construction soil | 0.0(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.4(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.07(ton) | Two week/ Month | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
| GS TK | | | | | |
| 1 | Construction soil | 0.3(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |

| | | | | | |
|-------------|-------------------|-----------|---------|---|--|
| 2 | Concrete | 0.3(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.04(ton) | Weekly | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
| GS 3 | | | | | |
| 1 | Construction soil | 0.3(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.3(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.04(ton) | Weekly | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |

Monitoring Form: Monitoring of Waste Management

a) Detail of location: GS5 , GS TK , GS 3

b) Type of work: Substation Construction works

c) Monitoring Period: From Date **01** Month **March** Year **2024**
 To Date **31** Month **March** Year **2024**

| No. | Type of waste | Volume (Unit) | Detail | Treatment Measure | Remark |
|--------------|-------------------|---------------|-----------------|---|--|
| GS5 | | | | | |
| 1 | Construction soil | 0.5(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.4(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.1(ton) | Two week/ Month | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
| GS TK | | | | | |

| | | | | | |
|-------------|-------------------|-----------|---------|---|--|
| 1 | Construction soil | 0.4(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.4(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |
| 3 | Kitchen Waste | 0.05(ton) | Weekly | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
| GS 3 | | | | | |
| 1 | Construction soil | 0.5(ton) | Monthly | Will Reuse the construction soil when backfilling the excavated area | |
| 2 | Concrete | 0.3(ton) | | Will use less amount of concrete which is required as per calculation and add more if required | Calculating the amount required for work and not use excess amount of concrete |

| | | | | | |
|---|---------------|-----------|--------|---|--|
| 3 | Kitchen Waste | 0.05(ton) | Weekly | Increase the waste storage area to collect waste and will try to remove from site more frequently | Placing recycling bins around the site will reduce the amount of waste collected in waste skips/ cages |
|---|---------------|-----------|--------|---|--|

Monitoring Form: Monitoring of Waste Management

a) Detail of location: T13, T14, T06, T18, T26 and T28

b) Type of work: Foundation and tower erection (Overhead TL works)

c) Monitoring Period: From Date: 01 Month: January Year: 2024
To Date: 31 Month: January Year: 2024

| No. | Type of waste | Volume (Unit) | Detail | Treatment Measure | Remark |
|-----|----------------|---------------|------------------------------------|---|--------|
| 1 | Concrete | 50KG | From casting concrete | Hiring third party to collect for dispose | |
| 2 | Plastic | 30KG | Plastic cover of material and food | Hiring third party to collect for dispose | |
| 3 | Rebar | 55KG | From rebar cutting when make beam | Hiring third party to collect for dispose | |
| 4 | General wasted | 25KG | From daily food | Hiring third party to collect for dispose | |

Monitoring Form: Monitoring of Waste Management

a) Detail of location: T04, T06, T18, T25, T26, T28, T29 and T30

b) Type of work: Foundation and tower erection (Overhead TL works)

c) Monitoring Period: From Date: 01 Month: February Year: 2024
To Date: 29 Month: February Year: 2024

| No. | Type of waste | Volume (Unit) | Detail | Treatment Measure | Remark |
|-----|----------------|---------------|------------------------------------|---|--------|
| 1 | Concrete | 35KG | From casting concrete | Hiring third party to collect for dispose | |
| 2 | Plastic | 25KG | Plastic cover of material and food | Hiring third party to collect for dispose | |
| 3 | Rebar | 30KG | From rebar cutting when make beam | Hiring third party to collect for dispose | |
| 4 | General wasted | 15KG | From daily food | Hiring third party to collect for dispose | |

Monitoring Form: Monitoring of Waste Management

a) Detail of location: T04, T06, T13, T14, T25, T28, T29 and T30

b) Type of work: Foundation and tower erection (Overhead TL works)

c) Monitoring Period: From Date: 01 Month: March Year: 2024
To Date: 28 Month: March Year: 2024

| No. | Type of waste | Volume (Unit) | Detail | Treatment Measure | Remark |
|-----|----------------|---------------|------------------------------------|---|--------|
| 1 | Concrete | 30KG | From casting concrete | Hiring third party to collect for dispose | |
| 2 | Plastic | 25KG | Plastic cover of material and food | Hiring third party to collect for dispose | |
| 3 | Rebar | 30KG | From rebar cutting when make beam | Hiring third party to collect for dispose | |
| 4 | General wasted | 10KG | From daily food | Hiring third party to collect for dispose | |

Monitoring Form : Compensation

a) Detail of location: Phnom Penh

b) Type of work: Transmission and Distribution Expansion works

c) Monitoring Period: From Date 01/ Month January/ Year 2024

To Date 28/ Month March/ Year 2024

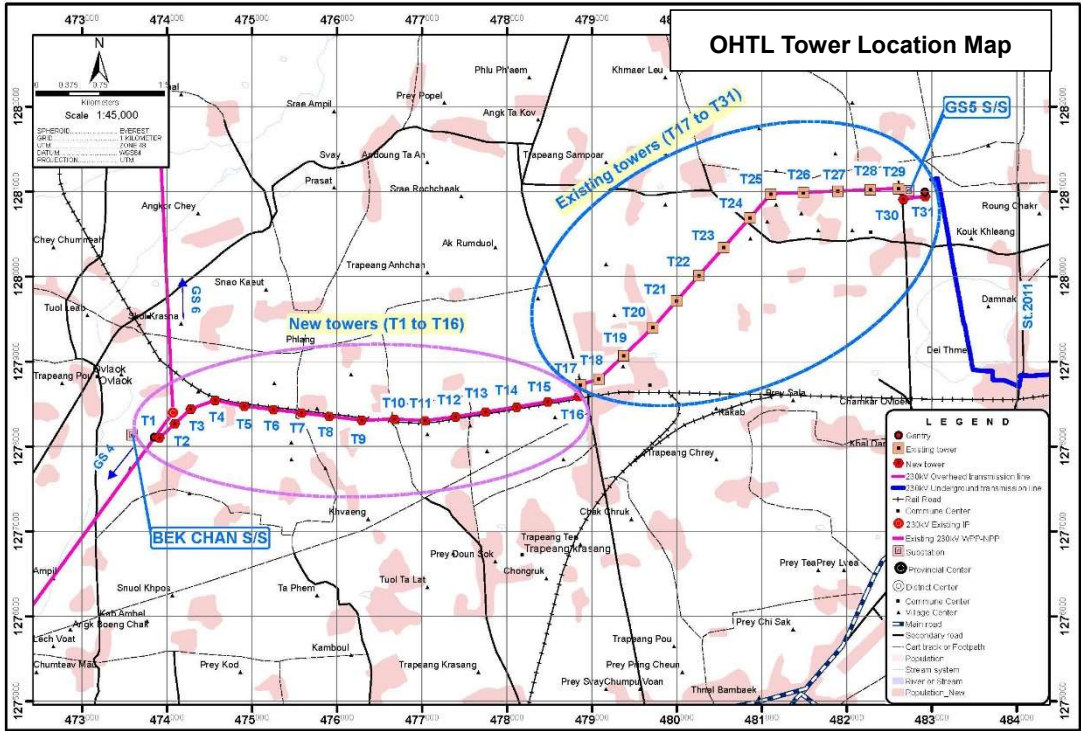
| Resettlement Activities | Planned Total | Unit | Progress in Quantity (Quarterly) | Progress in % (Quarterly) | Expected Date of Completion | Responsible Organization |
|--|-----------------|----------------|---|---------------------------|-----------------------------|--------------------------|
| Preparation of RAP | N/A | N/A | N/A | N/A | July 2024 | EDC / PIC |
| Employment of Census Survey | 5 | Man-month | 5 | 100 | July 2024 | |
| Implementation of Census Survey | 16 | Tower | 16 | N/A | July 2024 | |
| Approval of RAP | N/A | N/A | First Version: January, 2016. Second version: is under preparation. | N/A | July 2024 | |
| Finalization of PAPs List | 102 | No. of PAPs | N/A | N/A | July 2024 | |
| Progress of Asset Replacement (All Lots) | 110 | No. of HHs | N/A | N/A | July 2024 | EDC / PIC |
| Khan Kombol | 77 | No. of HHs | N/A | N/A | July 2024 | |
| Khan Po Sen Chey | 33 | No. of HHs | N/A | N/A | July 2024 | |
| Khan Prek Phnov | Existing Towers | No. of HHs | N/A | N/A | N/A | |
| Khan Sensok | Existing Towers | No. of HHs | N/A | N/A | N/A | |
| Progress of Compensation Payment | 8 | No. of HHs | 8 | 7%% (8HHs of 110HHs) | 30 th March 2024 | EDC / PIC |
| Khan Kombol | N/A | No. of HHs | 7 | 9% (7 HHs of 77HHs) | 30 th March 2024 | |
| Khan Po Sen Chey | N/A | No. of HHs | 1 | 3% (1 HHs of 33HHs) | 30 th March 2024 | |
| Khan Prek Phnov | Existing Towers | No. of HHs | N/A | N/A | N/A | |
| Khan Sensok | Existing Towers | No. of HHs | N/A | N/A | N/A | |
| Progress of Land Acquisition (All Lots) | (46,347.25) | m ² | (44,861) | (96.8) | July 2024 | |

***Note:**

-Compensation is still under negotiation between related 102 households and EDC.-In Khan Prek Phnov and Khan Sensok, since new tower No.17 to No.31 will be constructed at the same place of existing towers, there will be no asset replacement and land acquisition needed. The towers No.17 to No.31 which will be constructed at same location of existing towers are described in the OHTL Tower location map at next page.

- If there has complaint, EDC will immediately take action in accordance with the grievance redress mechanism described in the Final Report of the preparatory survey.

- Matrix of Compensation on land/properties by Tower and Span (on 3 May 2024) is shown in a page after OHTL tower location map.



Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: GS5 Substation

b) Type of work: Substation Construction works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM/YY | Result | DD/MM/YY | Result | DD/MM/YY | Result | DD/MM/YY | Result |
|--|----------|--|----------|--|----------|--|----------|--------|
| Location | GS5 | | GS5 | | GS5 | | | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 23/01/24 | No problem. Prevent dust by regular watering. | 05/02/24 | No problem. Prevent dust by regular watering | 21/03/24 | No problem. Prevent dust by regular watering | | |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 23/01/24 | No problem. There is no sewage leakage. | 05/02/24 | No problem. There is no sewage leakage | 21/03/24 | No problem. There is no sewage leakage | | |
| 2) Public Health and work safety | 23/01/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 05/02/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 21/03/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | | |
| 3) Traffic near the construction site | 23/01/24 | No problem. The construction site is | 05/02/24 | No problem. The construction site is | 21/03/24 | No problem. The construction site is | | |

| | | | | | | | | |
|-------------------|----------|---|----------|---|----------|---|--|--|
| | | inside of substation wall, so there is no third parties. Traffic guides are stationed at entrance to direct traffic. | | inside of substation wall, so there is no third parties. Traffic guides are stationed at entrance to direct traffic. | | inside of substation wall, so there is no third parties. Traffic guides are stationed at entrance to direct traffic. | | |
| 4) Others, if any | 23/01/24 | No problem found. | 05/02/24 | No problem found. | 21/03/24 | No problem found. | | |

Note; Basically this check is “Visual check”, so if there is not found any problem visually, the result is “No problem”.

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: GSTK Substation

b) Type of work: Substation Construction works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|--|-----------|--|-----------|--|-----------|--|
| Location | GS TK | | GS TK | | GS TK | | GS TK | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 23/01/24 | No problem. Prevent dust by regular watering | 05/02/24 | No problem. Prevent dust by regular watering | 16/02/24 | No problem. Prevent dust by regular watering | 27/03/24 | No problem. Prevent dust by regular watering |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 23/01/24 | No problem. There is no sewage leakage | 05/02/24 | No problem. There is no sewage leakage | 16/02/24 | No problem. There is no sewage leakage | 27/03/24 | No problem. There is no sewage leakage |
| 2) Public Health and work safety | 23/01/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 05/02/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 16/02/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 27/03/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. |
| 3) Traffic near the construction site | 23/01/24 | No problem. The construction site is inside of substation wall, so | 05/02/24 | No problem. The construction site is inside of substation wall, so | 16/02/24 | No problem. The construction site is inside of substation wall, so there is no | 27/03/24 | No problem. The construction site is inside of substation wall, so |

| | | | | | | | | |
|-------------------|----------|--|----------|---|----------|--|----------|---|
| | | there is no third parties. Traffic guides are stationed at entrance to direct traffic. | | there is no third parties. Traffic guides are stationed at entrance to direct traffic. | | third parties. Traffic guides are stationed at entrance to direct traffic. | | there is no third parties. Traffic guides are stationed at entrance to direct traffic. |
| 4) Others, if any | 23/01/24 | Remained sand in front of the worksite of GS Tuol Kork needs to remove and cleanse regularly. Solid wastes at site shall have well managed. The above issues were immediately rectified. | 05/02/24 | No problem found. | 16/02/24 | Remained sand in front of the worksite of GS Tuol Kork needs to remove and cleanse regularly. Solid wastes at site shall have well managed. The above issues were immediately rectified. | 27/03/24 | No problem found. |

Note; Basically this check is "Visual check", so if there is not found any problem visually, the result is "No problem".

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: GS3 Substation

b) Type of work: Substation Construction works

c) Monitoring Period: From Date 01/ Month January/Year 2024
To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|--|-----------|--|-----------|--|-----------|--|
| Location | GS3 | | GS3 | | GS3 | | GS3 | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 03/01/24 | No problem. Prevent dust by regular watering | 11/01/24 | No problem. Prevent dust by regular watering | 05/02/24 | No problem. Prevent dust by regular watering | 07/03/24 | No problem. Prevent dust by regular watering |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 03/01/24 | No problem. There is no sewage leakage | 11/01/24 | No problem. There is no sewage leakage | 05/02/24 | No problem. There is no sewage leakage | 07/03/24 | No problem. There is no sewage leakage |
| 2) Public Health and work safety | 03/01/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 11/01/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 05/02/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. | 07/03/24 | No problem. Wear a mask and earplugs if necessary. The construction site is inside of substation wall, so there is no third parties. |
| 3) Traffic near the construction site | 03/01/24 | No problem. The construction site is inside of substation wall, so there is no third parties. | 11/01/24 | No problem. The construction site is inside of substation wall, so there is no third parties. | 05/02/24 | No problem. The construction site is inside of substation wall, so there is no third parties. | 07/03/24 | No problem. The construction site is inside of substation wall, so there is no third parties. |

| | | Traffic guides are stationed at entrance to direct traffic. | | Traffic guides are stationed at entrance to direct traffic. | | Traffic guides are stationed at entrance to direct traffic. | | Traffic guides are stationed at entrance to direct traffic. |
|-------------------|----------|---|----------|---|----------|---|----------|---|
| 4) Others, if any | 03/01/24 | No problem found. | 11/01/24 | No problem found. | 05/02/24 | No problem found. | 07/03/24 | No problem found. |

Note; Basically this check is “Visual check”, so if there is not found any problem visually, the result is “No problem”.

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: 230kV Overhead TL construction site

b) Type of work: Overhead TL works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|-------------|---------------|-------------|-----------|-------------|-----------|-------------|
| Location | TW No.6 | | TW No.13 & 14 | | TW No.13 | | TW No.27 | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 2/01/24 | No problem. | 15/01/24 | No problem. | 22/01/24 | No problem. | 23/01/24 | No problem. |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 2/01/24 | No problem. | 15/01/24 | No problem. | 22/01/24 | No problem. | 23/01/24 | No problem. |
| 2) Public Health and work safety | 2/01/24 | No problem. | 15/01/24 | No problem. | 22/01/24 | No problem. | 23/01/24 | No problem. |
| 3) Traffic near the construction site | 2/01/24 | No problem. | 15/01/24 | No problem. | 22/01/24 | No problem. | 23/01/24 | No problem. |
| 4) Others, if any | 2/01/24 | No problem. | 15/01/24 | No problem. | 22/01/24 | No problem. | 23/01/24 | No problem. |

Note; Basically, this check is “Visual check”, with Anticipated Environmental Negative Impacts and Mitigation Measures table as next page, so if there is not found any problem visually, the result is “No problem”.

Entire Anticipated Environmental Negative Impacts and Mitigation Measures (Package2)

| No | Anticipated Environmental Negative Impacts | Mitigation Measures |
|----|--|--|
| 1 | Noise & Vibration | <ul style="list-style-type: none"> - Construction vehicles and machinery will be maintained to a high standard to minimize emissions and noise. - Soil investigation utilizing heavy machinery work will be restricted between 8 AM – 6 PM. - Advance warning to communities will be provided with respect to the timing of noisy activities. - All construction workers / operators will use appropriate PPE including ear defenders when operating machinery. - To avoid traffic congestion and noise disturbance and air pollution in area, time of arrival and number of concrete trucks will be limited - Drivers will be required to observe low speed wherever necessary and no blowing of horns. |
| 2 | Air quality | <ul style="list-style-type: none"> - Aside from this, works sites will be temporarily barricaded to enclose to control dust levels (open excavated tower foundations). - Vehicles transporting materials that generate dusts will be covered with tarps |
| 3 | Loss of Vegetation | <ul style="list-style-type: none"> - Clear demarcation of work sites, no encroachment outside the demarcated zone. - Access to adjacent properties and agricultural land will be maintained, as necessary - Vegetation clearances will be strictly restricted to the works site and for permanent access roads, hedges and field margins will be retained |
| 4 | Soil Contamination | <ul style="list-style-type: none"> - Use of herbicides / pesticides will be prohibited for vegetation clearing to prevent soil contamination |
| 5 | Soil Erosion | <ul style="list-style-type: none"> - Implement engineering and biological measures to prevent surface erosion such as provision of silt traps or sowing soil-binding grass, as needed. - Restore loose soil from foundations through ramming, if required |
| 6 | Water Pollution | <ul style="list-style-type: none"> - Excess spoil will be backfilled onsite or spread out in a manner that causes no disturbance to existing drainage / irrigation canals, dykes or local drainage pattern - Vehicle / equipment maintenance and refueling to be done offsite or within designated service area on impermeable surfaces and away from water sources. |
| 7 | Soil Erosion | <ul style="list-style-type: none"> - To avoid the soil erosion, all earth works will require to finish and well levelling down place by place. |
| 8 | Solid Waste Management | <ul style="list-style-type: none"> - Any debris / dismantled structures / equipment will be taken to EDC depot and/or disposed in a designated landfill. - All concrete wastes remaining from site will well manage at the site. |

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: 230kV Overhead TL construction site

b) Type of work: Overhead TL works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|-------------|-----------|-------------|-----------|-------------|---------------------|-------------|
| Location | TW No.14 | | TW No.18 | | TW No.27 | | TW No.06, 25 and 30 | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 31/01/24 | No problem. | 05/02/24 | No problem. | 16/02/24 | No problem. | 21/02/24 | No problem. |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 31/01/24 | No problem. | 05/02/24 | No problem. | 16/02/24 | No problem. | 21/02/24 | No problem. |
| 2) Public Health and work safety | 31/01/24 | No problem. | 05/02/24 | No problem. | 16/02/24 | No problem. | 21/02/24 | No problem. |
| 3) Traffic near the construction site | 31/01/24 | No problem. | 05/02/24 | No problem. | 16/02/24 | No problem. | 21/02/24 | No problem. |
| 4) Others, if any | 31/01/24 | No problem. | 05/02/24 | No problem. | 16/02/24 | No problem. | 21/02/24 | No problem. |

Note; Basically, this check is “Visual check”, with Anticipated Environmental Negative Impacts and Mitigation Measures table as next page, so if there is not found any problem visually, the result is “No problem”.

Entire Anticipated Environmental Negative Impacts and Mitigation Measures (Package2)

| No | Anticipated Environmental Negative Impacts | Mitigation Measures |
|----|--|--|
| 1 | Noise & Vibration | <ul style="list-style-type: none"> - Construction vehicles and machinery will be maintained to a high standard to minimize emissions and noise. - Soil investigation utilizing heavy machinery work will be restricted between 8 AM – 6 PM. - Advance warning to communities will be provided with respect to the timing of noisy activities. - All construction workers / operators will use appropriate PPE including ear defenders when operating machinery. - To avoid traffic congestion and noise disturbance and air pollution in area, time of arrival and number of concrete trucks will be limited - Drivers will be required to observe low speed wherever necessary and no blowing of horns. |
| 2 | Air quality | <ul style="list-style-type: none"> - Aside from this, works sites will be temporarily barricaded to enclose to control dust levels (open excavated tower foundations). - Vehicles transporting materials that generate dusts will be covered with tarps |
| 3 | Loss of Vegetation | <ul style="list-style-type: none"> - Clear demarcation of work sites, no encroachment outside the demarcated zone. - Access to adjacent properties and agricultural land will be maintained, as necessary - Vegetation clearances will be strictly restricted to the works site and for permanent access roads, hedges and field margins will be retained |
| 4 | Soil Contamination | <ul style="list-style-type: none"> - Use of herbicides / pesticides will be prohibited for vegetation clearing to prevent soil contamination |
| 5 | Soil Erosion | <ul style="list-style-type: none"> - Implement engineering and biological measures to prevent surface erosion such as provision of silt traps or sowing soil-binding grass, as needed. - Restore loose soil from foundations through ramming, if required |
| 6 | Water Pollution | <ul style="list-style-type: none"> - Excess spoil will be backfilled onsite or spread out in a manner that causes no disturbance to existing drainage / irrigation canals, dykes or local drainage pattern - Vehicle / equipment maintenance and refueling to be done offsite or within designated service area on impermeable surfaces and away from water sources. |
| 7 | Soil Erosion | <ul style="list-style-type: none"> - To avoid the soil erosion, all earth works will require to finish and well levelling down place by place. |
| 8 | Solid Waste Management | <ul style="list-style-type: none"> - Any debris / dismantled structures / equipment will be taken to EDC depot and/or disposed in a designated landfill. - All concrete wastes remaining from site will well manage at the site. |

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: 230kV Overhead TL construction site

b) Type of work: Overhead TL works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|-------------|-----------|--------|-----------|--------|-----------|--------|
| Location | TW No.25 | | - | | - | | - | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 1/03/24 | No problem. | - | - | - | - | - | - |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 1/03/24 | No problem. | - | - | - | - | - | - |
| 2) Public Health and work safety | 1/03/24 | No problem. | - | - | - | - | - | - |
| 3) Traffic near the construction site | 1/03/24 | No problem. | - | - | - | - | - | - |
| 4) Others, if any | 1/03/24 | No problem. | - | - | - | - | - | - |

Note; Basically, this check is “Visual check”, with Anticipated Environmental Negative Impacts and Mitigation Measures table as next page, so if there is not found any problem visually, the result is “No problem”.

Entire Anticipated Environmental Negative Impacts and Mitigation Measures (Package2)

| No | Anticipated Environmental Negative Impacts | Mitigation Measures |
|----|--|--|
| 1 | Noise & Vibration | <ul style="list-style-type: none"> - Construction vehicles and machinery will be maintained to a high standard to minimize emissions and noise. - Soil investigation utilizing heavy machinery work will be restricted between 8 AM – 6 PM. - Advance warning to communities will be provided with respect to the timing of noisy activities. - All construction workers / operators will use appropriate PPE including ear defenders when operating machinery. - To avoid traffic congestion and noise disturbance and air pollution in area, time of arrival and number of concrete trucks will be limited - Drivers will be required to observe low speed wherever necessary and no blowing of horns. |
| 2 | Air quality | <ul style="list-style-type: none"> - Aside from this, works sites will be temporarily barricaded to enclose to control dust levels (open excavated tower foundations). - Vehicles transporting materials that generate dusts will be covered with tarps |
| 3 | Loss of Vegetation | <ul style="list-style-type: none"> - Clear demarcation of work sites, no encroachment outside the demarcated zone. - Access to adjacent properties and agricultural land will be maintained, as necessary - Vegetation clearances will be strictly restricted to the works site and for permanent access roads, hedges and field margins will be retained |
| 4 | Soil Contamination | <ul style="list-style-type: none"> - Use of herbicides / pesticides will be prohibited for vegetation clearing to prevent soil contamination |
| 5 | Soil Erosion | <ul style="list-style-type: none"> - Implement engineering and biological measures to prevent surface erosion such as provision of silt traps or sowing soil-binding grass, as needed. - Restore loose soil from foundations through ramming, if required |
| 6 | Water Pollution | <ul style="list-style-type: none"> - Excess spoil will be backfilled onsite or spread out in a manner that causes no disturbance to existing drainage / irrigation canals, dykes or local drainage pattern - Vehicle / equipment maintenance and refueling to be done offsite or within designated service area on impermeable surfaces and away from water sources. |
| 7 | Soil Erosion | <ul style="list-style-type: none"> - To avoid the soil erosion, all earth works will require to finish and well levelling down place by place. |
| 8 | Solid Waste Management | <ul style="list-style-type: none"> - Any debris / dismantled structures / equipment will be taken to EDC depot and/or disposed in a designated landfill. - All concrete wastes remaining from site will well manage at the site. |

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: 230kV Underground TL construction site

b) Type of work: Underground TL and Distribution Line works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|--------------------------------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| Location | MH-01 and near flyover Rattana plaza | | MH-01 | | MH-01 | | MH-02 | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 17/01/24 | No problem. | 19/01/24 | No problem. | 23/01/24 | No problem. | 24/01/24 | No problem. |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 17/01/24 | No problem. | 19/01/24 | No problem. | 23/01/24 | No problem. | 24/01/24 | No problem. |
| 2) Public Health and work safety | 17/01/24 | No problem. | 19/01/24 | No problem. | 23/01/24 | No problem. | 24/01/24 | No problem. |
| 3) Traffic near the construction site | 17/01/24 | No problem. | 19/01/24 | No problem. | 23/01/24 | No problem. | 24/01/24 | No problem. |
| 4) Others, if any | 17/01/24 | No problem. | 19/01/24 | No problem. | 23/01/24 | No problem. | 24/01/24 | No problem. |

Note; Basically, this check is “Visual check”, with Anticipated Environmental Negative Impacts and Mitigation Measures table as next page, so if there is not found any problem visually, the result is “No problem”.

Entire Anticipated Environmental Negative Impacts and Mitigation Measures (Package3)

| No. | Anticipated Environmental Negative Impacts | Mitigation Measures |
|-----|--|--|
| 1 | Noise & Vibration | <ul style="list-style-type: none"> - Road Cutting activities will be done in daytime to reduce noise pollution disturbing the resident. - Workers must wear ear plugs while working with cutter machine to protect the ears. - dB measuring devices or applications will be used to minimize the noise level. - To use quality machinery and plants with low emissions. - The briefing will be provided to drivers to ensure smooth machinery operation/driving, and to minimize unnecessary noise generation. - To maintain machinery and plants regularly to reduce the noise & Vibration. |
| 2 | Dust | <ul style="list-style-type: none"> - Sprinkling water above the area before cutting to reduce drifting of dust. - Safety net will be used to cover the cutting area to reduce dust drifting. |
| 3 | Traffic Jam | <ul style="list-style-type: none"> - Hard barriers and traffic road signages will be installed around the site area to alert the public. - Designate workers to direct traffic at the site areas to prevent traffic congestion. - During night works, ensure adequate lighting and road reflector signages for the public traffic alert. - Minimize the transport of heavy equipment to site during peak traffic periods. |
| 4 | Waste Management | <ul style="list-style-type: none"> - The construction solid waste will be re-used or recycled whenever or wherever possible. - Other non-recyclable wastes shall be disposed at the local authority's landfill. - Educate the project team on how to reduce and store all kinds of waste properly at the project site. - Hazard waste will be stored separately from general waste in a safe place and will be disposed by an authorized disposer. - Wooden & Metal Scrap will be disposed to the site store. - Surplus soil will be collected by standby truck to dispose at the designed area. While disposing the surplus soil the truck will be covered by a green net to reduce dust and mud dropping on the road. - No open burning at the construction site. |
| 5 | Wastewater (Ground water) | <ul style="list-style-type: none"> - Wastewater (Ground water) will be pumped to the nearest public sewer system. - Wastewater will not be allowed to drain out directly to public drainage system. |

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: 230kV Underground TL construction site

b) Type of work: Underground TL and Distribution Line works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|-------------|--------------------------|-------------|--------------|-------------|-----------|-------------|
| Location | MH-01 | | Span-13 (MH-12 to MH-13) | | MH-02 and 04 | | MH-01 | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 29/01/24 | No problem. | 30/01/24 | No problem. | 02/02/24 | No problem. | 16/02/24 | No problem. |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 29/01/24 | No problem. | 30/01/24 | No problem. | 02/02/24 | No problem. | 16/02/24 | No problem. |
| 2) Public Health and work safety | 29/01/24 | No problem. | 30/01/24 | No problem. | 02/02/24 | No problem. | 16/02/24 | No problem. |
| 3) Traffic near the construction site | 29/01/24 | No problem. | 30/01/24 | No problem. | 02/02/24 | No problem. | 16/02/24 | No problem. |
| 4) Others, if any | 29/01/24 | No problem. | 30/01/24 | No problem. | 02/02/24 | No problem. | 16/02/24 | No problem. |

Note; Basically, this check is “Visual check”, with Anticipated Environmental Negative Impacts and Mitigation Measures table as next page, so if there is not found any problem visually, the result is “No problem”.

Entire Anticipated Environmental Negative Impacts and Mitigation Measures (Package3)

| No. | Anticipated Environmental Negative Impacts | Mitigation Measures |
|-----|--|--|
| 1 | Noise & Vibration | <ul style="list-style-type: none"> - Road Cutting activities will be done in daytime to reduce noise pollution disturbing the resident. - Workers must wear ear plugs while working with cutter machine to protect the ears. - dB measuring devices or applications will be used to minimize the noise level. - To use quality machinery and plants with low emissions. - The briefing will be provided to drivers to ensure smooth machinery operation/driving, and to minimize unnecessary noise generation. - To maintain machinery and plants regularly to reduce the noise & Vibration. |
| 2 | Dust | <ul style="list-style-type: none"> - Sprinkling water above the area before cutting to reduce drifting of dust. - Safety net will be used to cover the cutting area to reduce dust drifting. |
| 3 | Traffic Jam | <ul style="list-style-type: none"> - Hard barriers and traffic road signages will be installed around the site area to alert the public. - Designate workers to direct traffic at the site areas to prevent traffic congestion. - During night works, ensure adequate lighting and road reflector signages for the public traffic alert. - Minimize the transport of heavy equipment to site during peak traffic periods. |
| 4 | Waste Management | <ul style="list-style-type: none"> - The construction solid waste will be re-used or recycled whenever or wherever possible. - Other non-recyclable wastes shall be disposed at the local authority's landfill. - Educate the project team on how to reduce and store all kinds of waste properly at the project site. - Hazard waste will be stored separately from general waste in a safe place and will be disposed by an authorized disposer. - Wooden & Metal Scrap will be disposed to the site store. - Surplus soil will be collected by standby truck to dispose at the designed area. While disposing the surplus soil the truck will be covered by a green net to reduce dust and mud dropping on the road. - No open burning at the construction site. |
| 5 | Wastewater (Ground water) | <ul style="list-style-type: none"> - Wastewater (Ground water) will be pumped to the nearest public sewer system. - Wastewater will not be allowed to drain out directly to public drainage system. |

Monitoring Form: Visual Checking at the Construction Site

a) Detail of location: 230kV Underground TL construction site

b) Type of work: Underground TL and Distribution Line works

c) Monitoring Period: From Date 01/ Month January/Year 2024

To Date 28/ Month March/Year 2024

| Item | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result | DD/MM /YY | Result |
|--|-----------|---|-----------|-------------|------------------|-------------|----------------------|-------------|
| Location | MH-01 | | MH-05 | | MH-02, 05 and 10 | | MH-03 and Span No.14 | |
| 1) Air pollution (dust, noise) at the water body near the construction site | 19/02/24 | No problem. | 26/02/24 | No problem. | 07/03/24 | No problem. | 26/03/24 | No problem. |
| 2) Water pollution (turbidity, soil sediment) at the water body near the construction site | 19/02/24 | No problem. | 26/02/24 | No problem. | 07/03/24 | No problem. | 26/03/24 | No problem. |
| 2) Public Health and work safety | 19/02/24 | No problem. | 26/02/24 | No problem. | 07/03/24 | No problem. | 26/03/24 | No problem. |
| 3) Traffic near the construction site | 19/02/24 | No problem. | 26/02/24 | No problem. | 07/03/24 | No problem. | 26/03/24 | No problem. |
| 4) Others, if any | 19/02/24 | Pavement in front of building just beside of Manhole 1 was damaged. This issue was resolved by the contractor as shown on | 26/02/24 | No problem. | 07/03/24 | No problem. | 26/03/24 | No problem. |



| | | | | | | | | |
|--|--|---------------------------|--|--|--|--|--|--|
| | | the next of next page. | | | | | | |
|--|--|---------------------------|--|--|--|--|--|--|

Note; Basically, this check is "Visual check", with Anticipated Environmental Negative Impacts and Mitigation Measures table as next page, so if there is not found any problem visually, the result is "No problem".

Entire Anticipated Environmental Negative Impacts and Mitigation Measures (Package3)

| No. | Anticipated Environmental Negative Impacts | Mitigation Measures |
|-----|--|--|
| 1 | Noise & Vibration | <ul style="list-style-type: none"> - Road Cutting activities will be done in daytime to reduce noise pollution disturbing the resident. - Workers must wear ear plugs while working with cutter machine to protect the ears. - dB measuring devices or applications will be used to minimize the noise level. - To use quality machinery and plants with low emissions. - The briefing will be provided to drivers to ensure smooth machinery operation/driving, and to minimize unnecessary noise generation. - To maintain machinery and plants regularly to reduce the noise & Vibration. |
| 2 | Dust | <ul style="list-style-type: none"> - Sprinkling water above the area before cutting to reduce drifting of dust. - Safety net will be used to cover the cutting area to reduce dust drifting. |
| 3 | Traffic Jam | <ul style="list-style-type: none"> - Hard barriers and traffic road signages will be installed around the site area to alert the public. - Designate workers to direct traffic at the site areas to prevent traffic congestion. - During night works, ensure adequate lighting and road reflector signages for the public traffic alert. - Minimize the transport of heavy equipment to site during peak traffic periods. |
| 4 | Waste Management | <ul style="list-style-type: none"> - The construction solid waste will be re-used or recycled whenever or wherever possible. - Other non-recyclable wastes shall be disposed at the local authority's landfill. - Educate the project team on how to reduce and store all kinds of waste properly at the project site. - Hazard waste will be stored separately from general waste in a safe place and will be disposed by an authorized disposer. - Wooden & Metal Scrap will be disposed to the site store. - Surplus soil will be collected by standby truck to dispose at the designed area. While disposing the surplus soil the truck will be covered by a green net to reduce dust and mud dropping on the road. - No open burning at the construction site. |
| 5 | Wastewater (Ground water) | <ul style="list-style-type: none"> - Wastewater (Ground water) will be pumped to the nearest public sewer system. - Wastewater will not be allowed to drain out directly to public drainage system. |

Visual checking result and resolved issue

| | |
|--------------|--|
| Works | Package 3; Underground Transmission Line work |
| Location | MH1 (Manhole 1) ; refer to the location map |
| Date | 19 th February 2024 |
| Subject | According to monitoring result of Visual Checking at the Construction Site at 230kV Underground TL construction site MH-01, pavement in front of building just beside of Manhole was damaged on 19/02/24. |
| Dealing with | The contractor repaired by themselves, and this matter was solved already. |
| Remarks | <p>Damage was founded on 19th February 2024.</p> <div style="text-align: center;">  <p>Damaged pavement</p> </div> <p>Repair work was completed by the Package 3 contractor.</p> <div style="text-align: center;">  </div> |