

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.
		Noise-3	Lmax	dB(A)	66.7	-	Result; within the permission level at Multiple Commercial and services area 70 dB(A).
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.
		Noise-3	Lmax	dB(A)	-	65.9	Result; within the permission level at Multiple Commercial and services area 70 dB(A).
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	-	

							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	

							Multiple Commercial and services area 70 dB(A).
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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	GS TK	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	GS TK	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	GS5	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

							permission level at Multiple Commercial and services area 70dB(A)
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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 <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)	-	-	
	Noise-2	Lmin	dB(A)	65.1	-	Activity; Grinding work in TR room and other floors was conducted on date 1. Result; within the permission level at Multiple Commercial and services area 70dB(A)
	Noise-3	Lmax	dB(A)	66.0	-	
No. 2	Noise-1	Leq	dB(A)	-	-	
	Noise-2	Lmin	dB(A)	-	64.6	Activity; Roof steel structures installation was conducted on date 2. Result; within the permission level at Multiple Commercial and services area 70dB(A)
	Noise-3	Lmax	dB(A)	-	66.7	
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;

- 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 **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	

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

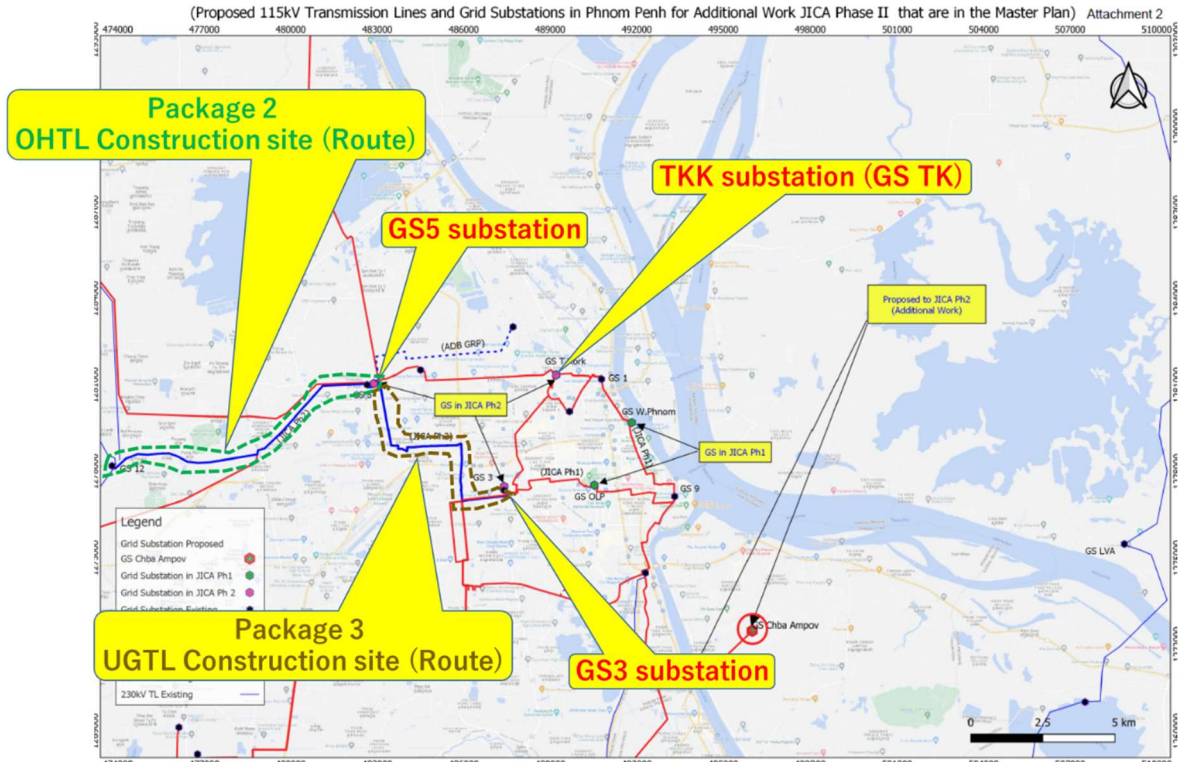
	Item	Unit	Date1	Date2	Remark (Date)	
			30/03 /2024			
	Day Time (6:00-18:00) Noise - Residential Area :60 dB(A) - Multiple Commercial and services Area: 70dB(A) - Multiple light industries mix with residential area :75 dB(A)				Commercial Area (< 70 dB(A)) is applied for each substation.	
No.1	Noise-1	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	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	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 - 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	Lmax	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	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: 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;

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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	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;

- 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	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	

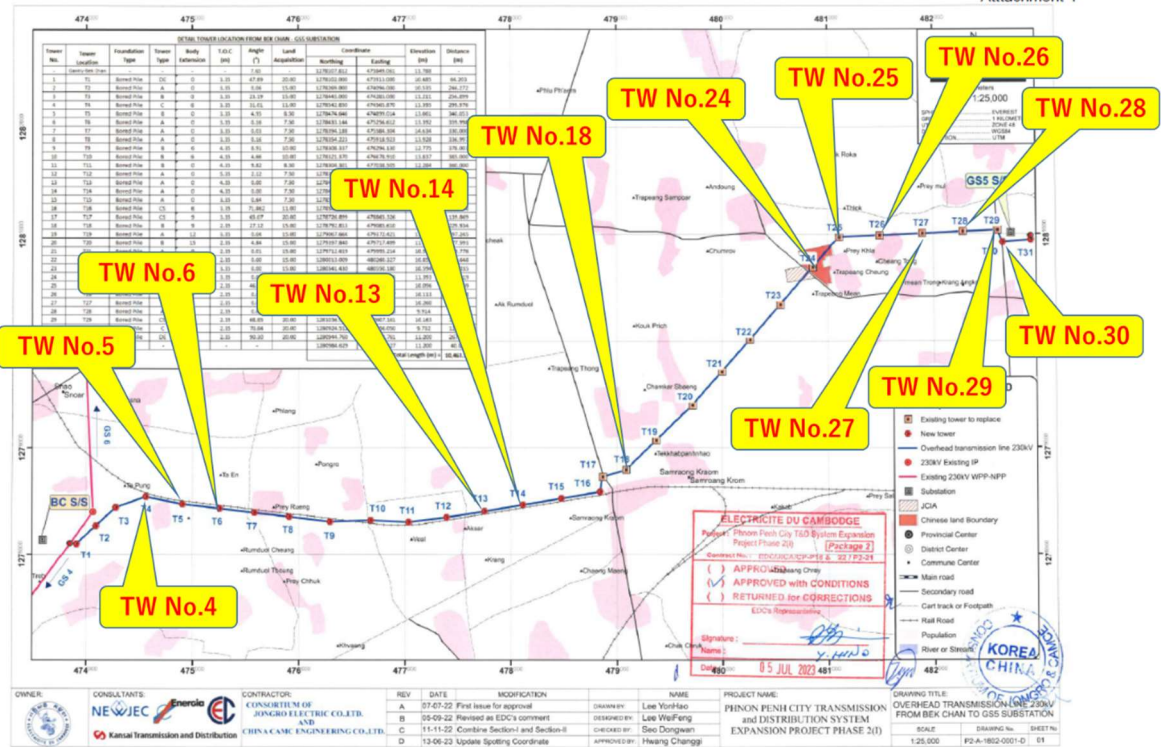
		Noise-3	L _{max}	dB(A)	-	79	2. Result; within the permission level at Multiple light industries mix with residential area 75dB(A)
Others		For the 4th quarter there are no complaints from others as for package 2's construction work.					

Note;

- 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 "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

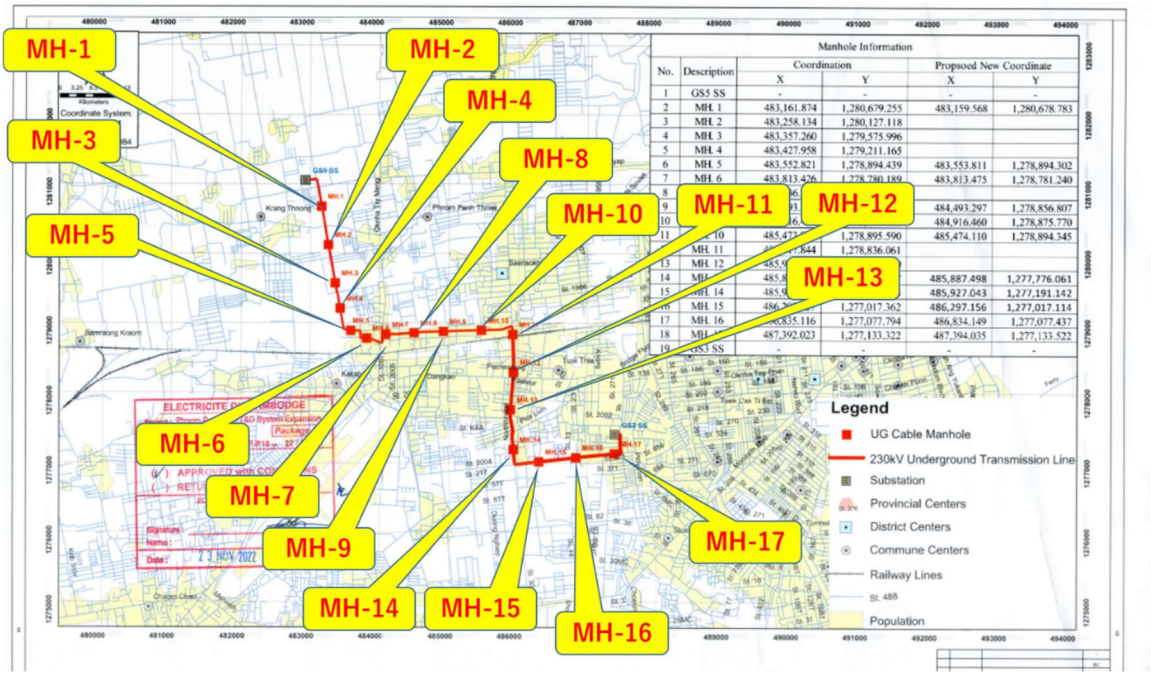
the methodology of noise measurement. And activity and result are depend on the site and/or measurement timings, so it is could not use same line for different site and different measurement timings. Therefore, some column are blank on above matters.

-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.

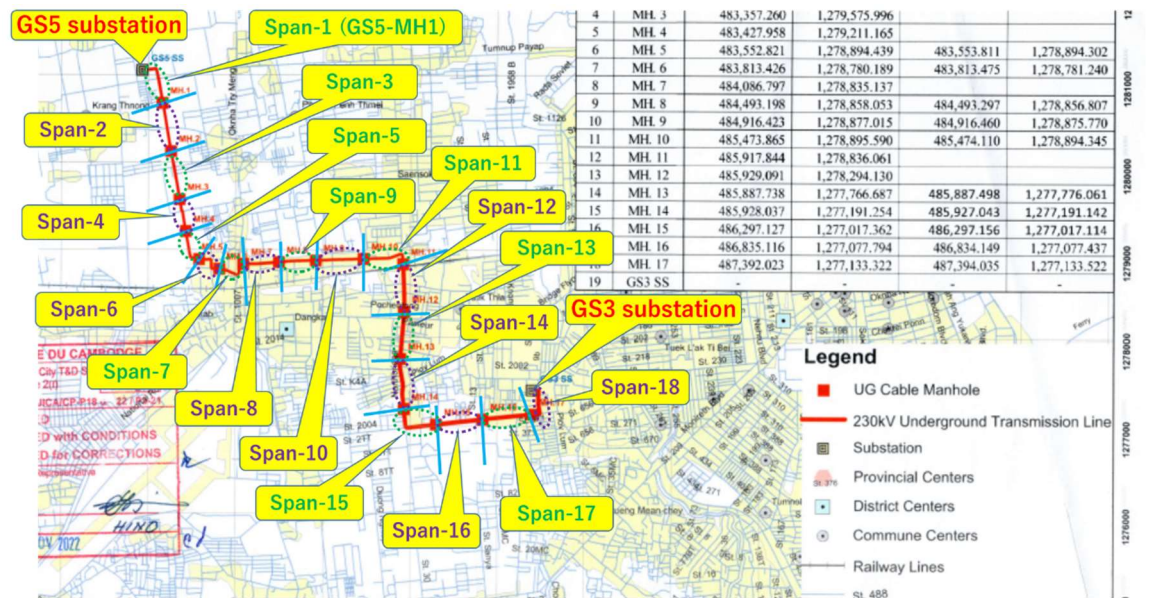
-The location are specified in UGTL Route Map.

-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
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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
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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: Monitoring of Waste Management

a) Detail of location: MH1 – MH2

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

c) Monitoring Period: From 1st January 2024
To 31th January 2024

No.	Type of waste	Volume (Unit)	Detail	Treatment Measure	Remark
1	Construction soil	3515(ton)	From Manhole and Pipe excavation trench	Reuse for road backfilling	
2	Concrete	715(ton)	From Manhole and Pipe excavation trench	Authorized for Sub-Contractor to dispose properly at their dumpsite	
3	Domestic waste	0,31(ton)	Generated by workers	Collected by Waste management company	

Monitoring Form: Monitoring of Waste Management

a) Detail of location: MH1 – MH2

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

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

No.	Type of waste	Volume (Unit)	Detail	Treatment Measure	Remark
1	Construction soil	3515(ton)	From Manhole and Pipe excavation trench	Reuse for road backfilling	
2	Concrete	715(ton)	From Manhole and Pipe excavation trench	Authorized for Sub-Contractor to dispose properly at their dumpsite	
3	Domestic waste	0,31(ton)	Generated by workers	Collected by Waste management company	

Monitoring Form: Monitoring of Waste Management

a) Detail of location: MH3, MH6~MH7, MH9~MH10

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

c) Monitoring Period: From 1st March 2024
 To 27th March 2024

No.	Type of waste	Volume (Unit)	Detail	Treatment Measure	Remark
1	Construction soil	2280(ton)	From Manhole and Pipe excavation trench	Reuse for road backfilling	
2	Concrete	349(ton)	From Manhole and Pipe excavation trench	Authorized for Sub-Contractor to dispose properly at their dumpsite	
3	Domestic waste	0,27(ton)	Generated by workers	Collected by Waste management company	

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

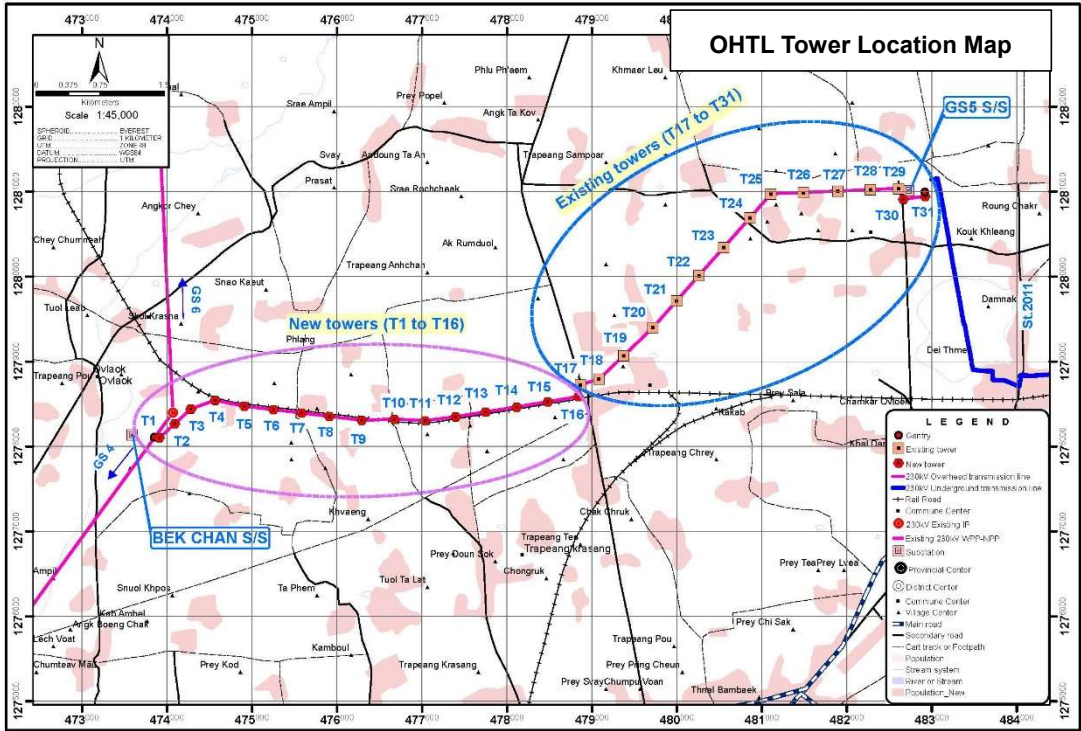
Resettlement Activities	Planned Total	Unit	Progress in Quantity (Quarterly)	Progress in % (Quarterly)	Expected Date of Completion	Responsible Organization
Preparation of RAP	N/A	N/A	N/A	N/A	July 2024	EDC / PIC
Employment of Census Survey	5	Man-month	5	100	July 2024	
Implementation of Census Survey	16	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.

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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.



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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>