March 2025 updated

E-1: Monitoring of Noise and Vibration

1. Expected potential impact: During construction phase, transportation of heavy equipment would cause air pollution, noise and vibration. Transportation of construction vehicles and transportation/operation of heavy equipment, such as dump truck, excavator, bulldozer, roller compactor and watering lorry, would exhaust emission gasses including nitrogen dioxide (NO_2) and suspended particular matter (SPM). And also, such heavy equipment would cause noise and vibration.
2. Monitoring method
   (1) Monitoring frequency: Monthly basis
   (2) Location of monitoring: The nearest village were construction site.
   (3) Recording method: Record every hour for 8 hours during the maximum construction period (Daytime from 06:00 – 18:00).
   (4) Evaluation criteria:
   Average vibration L_{10} shall be lower than dB in the specified area.
   Average noise dB (A) shall be lower than dB (A) in the specified area.

Area	Period of time		
	6 a.m. – 6 p.m.	6 p.m. – 10 p.m.	10 p.m. – 6 a.m.
Quite areas, hospital, libraries, schools, kindergartens	45	40	35
Residential areas, hotels, administration officers, houses	60	50	45
Commercial and service area and mix	70	65	50
Small industrial factories, intermingling in residential areas	75	70	50

Source: Sub-decree on Air and Noise Pollution Control

3. Mitigation measures
   (i) educate construction workers on minimizing idling of construction machinery;
   (ii) restricted construction time, e.g. during daytime only;
   (iii) hold stakeholder meetings to build consensus about the construction time.

Month 01:	June-July 2023:	No construction activity
Month 02:	August 2023:	No construction activity
Month 03:	September 2023:	No construction activity
Month 04:	October 2023:	No construction activity

Date	Location	Standard value	Type of Work	Noise-1 Leq dB (A)	Noise-2 Lmin dB (A)	Noise-3 Lmax dB (A)	Vib-1 L10 dB
1. Roleang Chrey sub-project							
17 Nov. 2023	South Main Canal Ch. 1+500	Commercial area Max. dB: 70 dB	Clearing work along the canal	63 (Good)	61 (Good)	63 (Good)	30 (Good)
29 Dec. 2023	South Main Canal Ch. 2+400	Residential area Max. dB: 60 dB	Excavation and transportation of unsuitable material	57 (Good)	54 (Good)	66 (NG)	34 (Good)
29 Jan. 2024	South Main Canal Ch. 2+400	Residential area Max. dB: 60 dB	Excavation of unsuitable material, backfilling cofferdam	55 (Good)	53 (Good)	59 (Good)	32 (Good)
28 Feb. 2024	South Main Canal Ch. 0+300	Commercial area Max. dB: 70 dB	Excavation of unsuitable material, pumping water	53 (Good)	49 (Good)	57 (Good)	31 (Good)
29 Mar. 2024	Roleang Chrey headworks	Small industrial factories area Max. dB: 75 dB	Reinforcement of existing piers of headworks	62 (Good)	58 (Good)	70 (Good)	31 (Good)
26 Apr. 2024	SMC Ch. 1+500 (06:00 to 18:00)	Commercial area Max. dB: 70 dB	Excavation and transportation of unsuitable material	61 (Good)	56 (Good)	66 (Good)	33 (Good)
29 May 2024	SMC Ch. 1+500 (06:00 to 18:00)	Commercial area Max. dB: 70 dB	Excavation and transportation of unsuitable material	56 (Good)	55 (Good)	63 (Good)	31 (Good)
27 Jun. 2024	SMC Ch. 1+500 (08:00 to 11:00) (13:00 to 17:00)	Near Vat Krouch Intake Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	60 (Good)	56 (Good)	63 (Good)	31 (Good)
23 Jul. 2024	SMC Ch. 1+500 (08:00 to 11:00) (13:00 to 17:00)	Near Vat Krouch Intake Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	63 (Good)	60 (Good)	66 (Good)	30 (Good)
30 Aug. 2024	SMC Ch. 1+500 (08:00 to 11:00) (13:00 to 17:00)	Near Vat Krouch Intake Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	61 (Good)	58 (Good)	65 (Good)	29 (Good)
30 Sep. 2024	SMC Ch. 1+500 (08:00 to 11:00) (13:00 to 17:00)	Near Vat Krouch Intake Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	59 (Good)	56 (Good)	62 (Good)	29 (Good)
28 Oct. 2024	SMC Ch. 1+500 (08:00 to 11:00) (13:00 to 17:00)	Near Vat Krouch Intake Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	63 (Good)	60 (Good)	66 (Good)	29 (Good)
26 Nov. 2024	SMC Ch. 1+500 (08:00 to 11:00) (13:00 to 17:00)	Near Vat Krouch Intake Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	60 (Good)	57 (Good)	63 (Good)	29 (Good)
30 Dec. 2024	Headworks upstream (08:00 to 11:00) (13:00 to 17:00)	Headworks Commercial area Max. dB: 70 dB	Headwork modification, Earthwork	64 (Good)	60 (Good)	67 (Good)	30 (Good)
30 Jan. 2025	Headworks (08:00 to 11:00) (13:00 to 17:00)	Headworks Next to residential area Max. dB: 60 dB	Headwork modification, Earthwork	60	58	65	35
27 Feb. 2025	Headworks (08:00 to 11:00) (13:00 to 17:00)	Headworks (next to residential area) Max. dB: 60 dB	Headwork modification, Earthwork	62	55	66	30

Date	Location	Standard value	Type of Work	Noise-1 Leq dB (A)	Noise-2 Lmin dB (A)	Noise-3 Lmax dB (A)	Vib-1 L10 dB
28 Mar. 2025	Phum Thmey (08:00 to 11:00) (13:00 to 17:00)	Pump Station Residential area Max. dB: 60 dB	Earthwork	58	53	60	31
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
2. Kandal Stung-Bati sub-project							
16 Nov. 2023	Stung Touch River Ch. 0+200	Residential area Max. dB: 60 dB	Site preparation work, and installation of pump	59 (Good)	56 (Good)	64 (NG)	32 (Good)
16 Dec. 2023	Stung Touch River Ch. 1+200	Residential area Max. dB: 60 dB	Improvement of waterway	53 (Good)	50 (Good)	56 (Good)	35 (Good)
22 Jan. 2024	Stung Touch River Ch. 1+200	Residential area Max. dB: 60 dB	Excavation common unsuitable material	57 (Good)	50 (Good)	65 (NG)	35 (Good)
16 Feb. 2024	Stung Touch River Ch. 1+200	Residential area Max. dB: 60 dB	Excavation of common unsuitable material	59 (Good)	56 (Good)	62 (NG)	33 (Good)
25 Mar. 2024	Stung Touch River Ch. 1+800	Residential area Max. dB: 60 dB	Excavation of common, and unsuitable material	62 (NG)	57 (Good)	68 (NG)	38 (Good)
25 Apr. 2024	Kampong Daungkor spillway	Commercial area Max. dB: 70 dB	Driving PHC piles	64 (Good)	51 (Good)	71 (NG)	52 (Good)
25 May 2024	Stung Touch River, New weir	Residential area Max. dB: 60 dB	Driving PHC piles	64 (NG)	59 (Good)	69 (NG)	52 (Good)
28 Jun. 2024	KC-4 Canal (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structural work	61 (Good)	51 (Good)	71 (NG)	37 (Good)
26 Jul. 2024	Intake KC-4 (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structural work	68 (Good)	63 (Good)	73 (NG)	58 (Good)
26 Aug. 2024	Stung Touch River (08:00 to 11:00)	Commercial area Max. dB: 70 dB	Earthwork, Structural work	63 (Good)	51 (Good)	74 (NG)	33 (Good)

Date	Location	Standard value	Type of Work	Noise-1 Leq dB (A)	Noise-2 Lmin dB (A)	Noise-3 Lmax dB (A)	Vib-1 L10 dB
	(13:00 to 17:00)						
30 Sep. 2024	Intake KC-4 (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structural work	56 (Good)	51 (Good)	60 (Good)	31 (Good)
28 Oct. 2024	Site office Workshop (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structure work	66 (Good)	63 (Good)	69 (Good)	31 (Good)
22 Nov. 2024	KC-4 Canal (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structure work	62 (Good)	59 (Good)	66 (Good)	33 (Good)
31 Dec. 2024	Kampong Daungkor Spillway (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structure work	64 (Good)	60 (Good)	67 (Good)	38 (Good)
31 Jan. 2025	Site Office Workshop (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structure work	58	53	62	30
28 Feb. 2025	KC-4 canal (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structure work	66	61	71	30
31 Mar. 2025	Kampong Daungkor Spillway (08:00 to 11:00) (13:00 to 17:00)	Commercial area Max. dB: 70 dB	Earthwork, Structure work	69	66	71	35
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						
	(08:00 to 11:00) (13:00 to 17:00)						

E-2: Monitoring of Water Quality

1. Expected potential impact:

Construction phase

Muddy water from construction site and soil split from construction machinery would cause water pollution of the river and canals. In addition, alkalified water caused by the concrete works will be another concern during construction phase.

Operation phase

Increased irrigation water might encourage farmers to use more agro-chemicals and fertilizer to carry out intensive farming.

2. Monitoring method

(1) Monitoring frequency: Weekly basis

(2) Location of monitoring: Surface water at upstream/downstream of canals where construction sites.

(3) Recording method: items below at site laboratory or MOE laboratory

(4) Evaluation criteria:

Parameters	Unit	Rivers	Lakes/Reservoirs
1. pH		6.5 – 8.5	6.5 – 8.5
2. BOD	mg/l	1 – 10	-
3. COD	mg/l	-	1 – 8
4. Suspended solids	mg/l	25 – 100	1 – 15
5. Dissolved oxygen	mg/l	2.0 – 7.5	2.0 – 7.5
6. Coliform	MPN/100 ml	< 5,000	< 1,000
7. Total nitrogen	mg/l	-	0.1 – 0.6
8. Total phosphorus	mg/l	-	0.005 – 0.05

Source: sub-decree on Wate Pollution Control

3. Mitigation measures

(1) Construction phase

(i) dilute or neutralize alkalified water from concrete mixer trucks by pooling in regulating pond before discharging;

(ii) pool discharging water from the concrete plant for dilution or neutralization; and,

(iii) install adequate treatment system for muddy and alkalified water in construction site such as installation of water tank to collect water from concrete works for neutralization.

(2) Operation phase

(i) conduct support programs regarding appropriate agricultural management;

(ii) introduce composting activity to the farmers;

(iii) introduce check system among the FWUC members regarding agricultural management; and,

(iv) monitor water quality and agricultural activities regularly.

Month 01: June-July 2023: No construction activity

Month 02: August 2023: No construction activity

Month 03: September 2023: No construction activity

Month 04: October 2023: No construction activity

1. Roleang Chrey Sub-project

(1) Headworks

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
26 Jan. 2024	Upstream	Backfilling cofferdam	35	31	Colorless	No smell	7.71	-	-	64
Sunny	Downstream		-	-	-	-	-	-	-	-
28 Feb. 2024	Upstream	Backfilling cofferdam	32	29	Colorless	No smell	7.67	-	-	32
Sunny	Downstream		-	-	-	-	-	-	-	-
Mar. 2024	Upstream	Reinforcement of existing piers of headworks	34	31	Brown	No smell	7.69	Nothing noticeable	< 1.0	120
	Downstream		35	32	Brown	No smell	7.70	Nothing noticeable	< 1.0	100
Mar. 2024	Upstream	Reinforcement of existing piers of headworks	33	31	Brown	No smell	7.61	Nothing noticeable	< 1.0	100
	Downstream		36	32	Brown	No smell	7.78	Nothing noticeable	< 1.0	100
Mar. 2024	Upstream	Reinforcement of existing piers of headworks	36	32	Clear	No smell	7.70	Nothing noticeable	< 1.0	70
	Downstream		34	3	Clear	No smell	7.71	Nothing noticeable	< 1.0	50
Mar. 2024	Upstream	Reinforcement of existing piers of headworks	35	32	Clear	No smell	7.53	Nothing noticeable	< 1.0	50
	Downstream		33	31	Clear	No smell	7.34	Nothing noticeable	< 1.0	70
Apr. 2024	Upstream	Reinforcement of existing piers of headworks	34	32	Clear	No smell	7.51	Nothing noticeable	< 1.0	70
	Downstream		35	31	Clear	No smell	7.37	Nothing noticeable	< 1.0	70
Apr. 2024	Upstream	Reinforcement of existing piers of headworks	34	31	Brown	No smell	7.43	Nothing noticeable	< 1.0	120
	Downstream		34	32	Brown	No smell	7.35	Nothing noticeable	< 1.0	120
Apr. 2024	Upstream	Reinforcement of existing piers of headworks	34	31	Clear	No smell	7.64	Nothing noticeable	< 1.0	70
	Downstream		33	30	Clear	No smell	7.28	Nothing noticeable	< 1.0	50
Apr. 2024	Upstream	Reinforcement of existing piers of headworks	35	31	Clear	No smell	6.92	Nothing noticeable	< 1.0	50
	Downstream		34	32	Clear	No smell	7.44	Nothing noticeable	< 1.0	70
May 2024	Upstream	Reinforcement of existing piers of headworks	35	32	Brown	No smell	7.11	Nothing noticeable	< 1.0	100
	Downstream		34	30	Brown	No smell	7.23	Nothing noticeable	< 1.0	100
May 2024	Upstream	Reinforcement of existing piers of headworks	34	30	Brown	No smell	7.47	Nothing noticeable	< 1.0	100
	Downstream		35	33	Brown	No smell	7.46	Nothing noticeable	< 1.0	100
May 2024	Upstream	Reinforcement of existing piers of headworks	36	32	Clear	No smell	7.65	Nothing noticeable	< 1.0	70
	Downstream		34	33	Clear	No smell	7.58	Nothing noticeable	< 1.0	50

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
May 2024	Upstream	Reinforcement of existing piers of headworks	33	29	Clear	No smell	7.32	Nothing noticeable	< 1.0	50
	Downstream		35	31	Clear	No smell	7.34	Nothing noticeable	< 1.0	70
27 Dec 2024	Upstream	Embankment, excavation, structure work	28	26	Clear	No smell	7.12	Nothing noticeable	< 1.0	50
Sunny	Downstream		28	26	Clear	No smell	7.18	Nothing noticeable	< 1.0	50
03 Jan. 2025	Upstream	Embankment, excavation, structure work	31	30	Clear	No smell	7.54	Nothing noticeable	< 1.0	80
Cloudy	Downstream		30	30	Clear	No smell	7.65	Nothing noticeable	< 1.0	80
17 Jan. 2025	Upstream	Embankment, excavation, structure work	30	30	Brown	No smell	7.60	Nothing noticeable	< 1.0	50
Sunny	Downstream		30	30	Brown	No smell	7.54	Nothing noticeable	< 1.0	50
28 Mar 2025	Upstream	Embankment, excavation, structure work	30	30	Clear	No smell	7.43	Nothing noticeable	< 1.0	50
Sunny	Downstream		30	30	Clear	No smell	7.49	Nothing noticeable	< 1.0	50

Note: Appear.: Appearance, TSS: Total Suspended Solid

Comparative standard values for rivers are based on Sub-decree on Water Pollution Control.

(2) North Main Canal

No measurements were taken because the channel was being kept dry due to excavation work on the North main canal.

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
17 Nov. 2023	Upstream	Install temporary site facilities, mobilization	30	25	Colorless	No smell	6.91	None	-	140
Sunny	Downstream		30	25	Colorless	No smell	6.78	None	-	140
29 Dec. 2023	Upstream	Excavation, pumping	31	26.6	Colorless	No smell	7.72	None	-	64
Sunny	Downstream		31	26.8	Colorless	No smell	8.22	None	-	64
14 Jun. 2024	Upstream	Embankment, excavation, structure work	35	29	Clear	No smell	7.55	None	< 1.0	75
Cloudy	Downstream		35	28	Clear	No smell	7.56	None	< 1.0	75
28 Jun. 2024	Upstream	Embankment, excavation, structure work	33	31	Clear	No smell	7.58	None	< 1.0	75
Sunny	Downstream		33	31	Clear	No smell	7.51	None	< 1.0	75
12 Jul. 2024	Upstream		31	29	Clear	No smell	7.46	None	< 1.0	75

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
Sunny	Downstream	Embankment, excavation, structure work	31	30	Clear	No smell	7.53	None	< 1.0	75
26 Jul. 2024	Upstream	Embankment, excavation, structure work	32	29	Clear	No smell	7.44	None	< 1.0	75
Sunny	Downstream		32	28	Clear	No smell	7.47	None	< 1.0	75
09 Aug. 2024	Upstream	Embankment, excavation, structure work	29	28	Brown	No smell	7.55	None	< 1.0	100
Sunny	Downstream		29	27	Brown	No smell	7.56	None	< 1.0	100
23 Aug. 2024	Upstream	Embankment, excavation, structure work	31	29	Brown	No smell	7.46	None	< 1.0	100
Sunny	Downstream		31	29	Brown	No smell	7.50	None	< 1.0	100
13 Sep. 2024	Upstream	Embankment, excavation, structure work	31	28	Clear	No smell	7.67	None	< 1.0	50
Cloudy	Downstream		31	27	Clear	No smell	7.65	None	< 1.0	50
27 Sep. 2024	Upstream	Embankment, excavation, structure work	31	29	Clear	No smell	7.61	None	< 1.0	50
Cloudy	Downstream		31	29	Clear	No smell	7.57	None	< 1.0	50
11 Oct. 2024	Upstream	Embankment, excavation, structure work	35	29	Clear	No smell	7.23	None	< 1.0	80
Sunny	Downstream		35	28	Clear	No smell	7.21	None	< 1.0	80
25 Oct. 2024	Upstream	Embankment, excavation, structure work	33	31	Brown	No smell	7.18	None	< 1.0	50
Sunny	Downstream		33	31	Brown	No smell	7.22	None	< 1.0	50
15 Nov 2024	Upstream	Embankment, excavation, structure work	30	28	Brown	No smell	6.87	None	< 1.0	50
Sunny	Downstream		30	28	Brown	No smell	6.92	None	< 1.0	50
29 Nov 2024	Upstream	Embankment, excavation, structure work	30	28	Clear	No smell	7.35	None	< 1.0	50
Sunny	Downstream		30	27	Clear	No smell	7.30	None	< 1.0	50
13 Dec. 2024	Upstream	Embankment, excavation, structure work	29	28	Brown	No smell	7.26	None	< 1.0	80
Sunny	Downstream		29	27	Brown	No smell	7.23	None	< 1.0	80
20 Dec. 2024	Upstream	Embankment, excavation, structure work	29	27	Brown	No smell	7.32	None	< 1.0	50
Sunny	Downstream		29	27	Brown	No smell	7.34	None	< 1.0	50
10 Jan. 2025	Upstream	Embankment, excavation, structure work	32	31	Clear	No smell	7.47	None	< 1.0	80
Sunny	Downstream		31	31	Clear	No smell	7.52	None	< 1.0	80
24 Jan. 2025	Upstream	Embankment, excavation, structure work	33	31	Brown	No smell	7.51	None	< 1.0	50
Sunny	Downstream		32	30	Brown	No smell	7.48	None	< 1.0	50
14 Feb. 2025	Upstream	Embankment, excavation, structure work	34	32	Clear	No smell	7.53	None	< 1.0	50
Sunny	Downstream		33	32	Clear	No smell	7.56	None	< 1.0	50
28 Feb. 2025	Upstream	Embankment, excavation, structure work	33	31	Clear	No smell	7.58	None	< 1.0	50
Sunny	Downstream		32	31	Clear	No smell	7.61	None	< 1.0	50
14 Mar 2025	Upstream		31	31	Clear	No smell	7.34	None	< 1.0	80

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
Cloudy	Downstream	Embankment, excavation, structure work	32	30	Clear	No smell	7.42	None	< 1.0	80
21 Mar 2025	Upstream	Embankment, excavation, structure work	32	31	Clear	No smell	7.48	None	< 1.0	50
Sunny	Downstream		31	31	Clear	No smell	7.52	None	< 1.0	50
	Upstream									
	Downstream									
	Upstream									
	Downstream									
	Upstream									
	Downstream									
	Upstream									
	Downstream									
	Upstream									
	Downstream									
	Upstream									
	Downstream									

Note: Appear.: Appearance, TSS: Total Suspended Solid

Comparative standard values for rivers are based on Sub-decree on Water Pollution Control.

(3) South Main Canal

No measurements were taken because the channel was being kept dry due to excavation work on the South main canal.

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
17 Nov. 2023	Upstream	Install temporary site facilities, mobilization	32	27	Colorless	No smell	7.51	None	-	140
Sunny	Downstream		32	26	Colorless	No smell	7.24	None	-	140
29 Dec. 2023	Upstream	Excavation, pumping	31	27	Colorless	No smell	7.38	None	-	64
Sunny	Downstream		30	26.8	Colorless	No smell	7.21	None	-	64
07 Jun. 2024	Upstream	Embankment, excavation, structure work	34	30	Clear	No smell	7,65	None	< 1.0	75
Sunny	Downstream		34	30	Clear	No smell	7.65	None	< 1.0	75
21 Jun. 2024	Upstream	Embankment, excavation, structure work	33	31	Clear	No smell	7.61	None	< 1.0	50
Cloudy	Downstream		33	30	Clear	No smell	7.65	None	< 1.0	50
05 Jul. 2024	Upstream	Embankment, excavation, structure work	33	30	Brown	No smell	7.55	None	< 1.0	100
Cloudy	Downstream		33	30	Brown	No smell	7.57	None	< 1.0	100
19 Jul. 2024	Upstream	Embankment, excavation, structure work	32	30	Clear	No smell	7.67	None	< 1.0	75
Cloudy	Downstream		32	30	Clear	No smell	7.65	None	< 1.0	75
02 Aug. 2024	Upstream	Embankment, excavation, structure work	30	28	Brown	No smell	7.60	None	< 1.0	120
Sunny	Downstream		30	28	Brown	No smell	7.63	None	< 1.0	100

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
16 Aug. 2024	Upstream	Embankment, excavation, structure work	30	28	Brown	No smell	7.65	None	< 1.0	100
Sunny	Downstream		30	29	Brown	No smell	7.66	None	< 1.0	100
06 Sep. 2024	Upstream	Embankment, excavation, structure work	32	28	Clear	No smell	7.71	None	< 1.0	75
Sunny	Downstream		32	28	Clear	No smell	7.70	None	< 1.0	75
20 Sep. 2024	Upstream	Embankment, excavation, structure work	33	28	Clear	No smell	7.59	None	< 1.0	50
Cloudy	Downstream		33	29	Clear	No smell	7.62	None	< 1.0	50
04 Oct. 2024	Upstream	Embankment, excavation, structure work	34	30	Clear	No smell	6.72	None	< 1.0	80
Cloudy	Downstream		34	30	Clear	No smell	7.10	None	< 1.0	80
18 Oct. 2024	Upstream	Embankment, excavation, structure work	33	31	Brown	No smell	7.59	None	< 1.0	50
Cloudy	Downstream		33	30	Brown	No smell	7.37	None	< 1.0	50
08 Nov 2024	Upstream	Embankment, excavation, structure work	30	27	Brown	No smell	7.12	None	< 1.0	50
Cloudy	Downstream		30	26	Brown	No smell	7.06	None	< 1.0	50
22 Nov 2024	Upstream	Embankment, excavation, structure work	31	27	Clear	No smell	7.10	None	< 1.0	50
Sunny	Downstream		31	27	Clear	No smell	7.13	None	< 1.0	50
06 Dec. 2024	Upstream	Embankment, excavation, structure work	30	28	Brown	No smell	7.34	None	< 1.0	80
Sunny	Downstream		30	28	Brown	No smell	7.48	None	< 1.0	80
07 Feb. 2025	Upstream	Embankment, excavation, structure work	33	32	Clear	No smell	7.44	None	< 1.0	50
Cloudy	Downstream		33	32	Clear	No smell	7.48	None	< 1.0	50
21 Feb. 2025	Upstream	Embankment, excavation, structure work	32	31	Clear	No smell	7.60	None	< 1.0	50
Cloudy	Downstream		32	31	Clear	No smell	7.54	None	< 1.0	50
07 Mar 2025	Upstream	Embankment, excavation, structure work	33	33	Clear	No smell	6.98	None	< 1.0	80
Sunny	Downstream		32	32	Clear	No smell	7.12	None	< 1.0	80
	Upstream									
	Downstream									
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	Upstream									
	Downstream									

Note: Appear.: Appearance, TSS: Total Suspended Solid

Comparative standard values for rivers are based on Sub-decree on Water Pollution Control.

2. Kandal Stung-Bati Sub-project

(1) Stung Touch River

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
16 Nov. 2023	Upstream	Install temporary site facilities, mobilization	32	27	Colorless	No smell	7.14	None	-	140
Sunny	Downstream		32	27	Colorless	No smell	6.43	None	-	140
16 Dec. 2023	Upstream	Dewatering	33	32	Colorless	No smell	6.84	None	-	50
Sunny	Downstream		33	33	Colorless	No smell	8.38	None	-	100
19 Jan. 2024	Upstream	Clearing muddy and dewatering	34	32	Colorless	No smell	7.61	None	-	50
Sunny	Downstream		34	32	Colorless	No smell	7.92	None	-	50
16 Feb. 2024	Upstream	Clearing muddy and dewatering	34	32	Colorless	No smell	7.65	None	-	50
Sunny	Downstream		34	32	Colorless	No smell	7.86	None	-	50
Mar. 2024	Upstream	Excavation of riverbed	36	34	Clear	No smell	7.81	Nothing noticeable	< 1.0	64
	Downstream		36	34	Clear	No smell	7.28	Nothing noticeable	< 1.0	50
Mar. 2024	Upstream	Excavation of riverbed	32	31.5	Clear	No smell	7.20	Nothing noticeable	< 1.0	64
	Downstream		32	31.5	Clear	No smell	7.11	Nothing noticeable	< 1.0	64
Mar. 2024	Upstream	Excavation of riverbed	34	32	Clear	No smell	7.21	Nothing noticeable	< 1.0	50
	Downstream		34	33	Clear	No smell	7.61	Nothing noticeable	< 1.0	50
Apr. 2024	Upstream	Excavation of riverbed	34	32	Clear	No smell	7.92	Nothing noticeable	< 1.0	64
	Downstream		34	32	Clear	No smell	7.67	Nothing noticeable	< 1.0	64
Apr. 2024	Upstream	Excavation of riverbed	32	29	Clear	No smell	7.56	Nothing noticeable	< 1.0	50
	Downstream		35	31	Clear	No smell	7.32	Nothing noticeable	< 1.0	50
Apr. 2024	Upstream	Excavation of riverbed	32.2	31.5	Clear	No smell	7.36	Nothing noticeable	< 1.0	64
	Downstream		32.2	31.5	Clear	No smell	6.95	Nothing noticeable	< 1.0	64
Apr. 2024	Upstream	Excavation of riverbed	33	30	Clear	No smell	7.06	Nothing noticeable	< 1.0	64
	Downstream		34	31	Clear	No smell	6.89	Nothing noticeable	< 1.0	64
May 2024	Upstream	Excavation of riverbed	33	31	Clear	No small	6.97	Nothing noticeable	< 1.0	64
	Downstream		34	31	Clear	No smell	6.86	Nothing noticeable	< 1.0	64
May 2024	Upstream	Excavation of riverbed	35	30	Clear	No smell	7.23	Nothing noticeable	< 1.0	50
	Downstream		33	28	Clear	No smell	7.23	Nothing noticeable	< 1.0	50
May 2024	Upstream	Excavation of riverbed	33	30	Clear	No smell	7.54	Nothing noticeable	< 1.0	64
	Downstream		34	31	Clear	No smell	7.45	Nothing noticeable	< 1.0	64
May 2024	Upstream	Excavation of riverbed	33	32	Clear	No smell	7.33	Nothing noticeable	< 1.0	64
	Downstream		31	29	Clear	No smell	7.25	Nothing noticeable	< 1.0	64

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
21 Jun. 2024	Upstream	Embankment, excavation, driving pile	32	35.6	Brown	No smell	7.35	Nothing noticeable	< 1.0	100
Sunny	Downstream		33	34.7	Brown	No smell	6.76	Nothing noticeable	< 1.0	64
05 Jul. 2024	Upstream	Embankment, excavation, driving pile	31	31.2	Clear	No smell	6.73	Nothing noticeable	< 1.0	107
Sunny	Downstream		31	31.7	Clear	No smell	7.33	Nothing noticeable	< 1.0	107
19 Jul. 2024	Upstream	Embankment, excavation, driving pile	30	33	Clear	No smell	7.56	Nothing noticeable	< 1.0	50
Cloudy	Downstream		30	33	Clear	No smell	6.23	Nothing noticeable	< 1.0	50
09 Aug 2024	Upstream	Embankment, excavation, driving pile	34	33	Clear	No smell	7.10	Nothing noticeable	< 1.0	64
Cloudy	Downstream		34	32	Clear	No smell	7.00	Nothing noticeable	< 1.0	64
23 Aug 2024	Upstream	Embankment, excavation, driving pile	32	31	Clear	No smell	7.23	Nothing noticeable	< 1.0	64
Sunny	Downstream		32	30	Clear	No smell	7.12	Nothing noticeable	< 1.0	64
13 Sep. 2024	Upstream	Embankment, excavation, driving pile	33	30	Clear	No smell	7.10	Nothing noticeable	< 1.0	100
Cloudy	Downstream		33	30	Clear	No smell	7.00	Nothing noticeable	< 1.0	100
27 Sep. 2024	Upstream	Embankment, excavation, driving pile	32	30	Clear	No smell	7.32	Nothing noticeable	< 1.0	75
Sunny	Downstream		32	30	Clear	No smell	7.38	Nothing noticeable	< 1.0	75
04 Oct. 2024	Upstream	Embankment, excavation, driving PHC pile	30	33.7	Brown	No smell	6.90	Nothing noticeable	< 1.0	100
Rainy	Downstream		30	31.1	Brown	No smell	7.56	Nothing noticeable	< 1.0	100
18 Oct. 2024	Upstream	Embankment, excavation, driving PHC pile	31	34.2	Brown	No smell	7.87	Nothing noticeable	< 1.0	100
Cloudy	Downstream		31	33.7	Brown	No smell	7.30	Nothing noticeable	< 1.0	64
08 Nov 2024	Upstream	Embankment, excavation, driving PHC pile	31	33.2	Clear	No smell	6.90	Nothing noticeable	< 1.0	107
Sunny	Downstream		31	32.7	Clear	No smell	7.56	Nothing noticeable	< 1.0	107
22 Nov 2024	Upstream	Embankment, excavation, driving PHC pile	29	32.3	Brown	No smell	7.23	Nothing noticeable	< 1.0	50
Sunny	Downstream		29	32.1	Brown	No smell	6.86	Nothing noticeable	< 1.0	50
14 Dec. 2024	Upstream	Embankment, excavation, driving PHC pile	30	31.4	Brown	No smell	7.32	Nothing noticeable	< 1.0	64
Cloudy	Downstream		30	31.2	Brown	No smell	7.65	Nothing noticeable	< 1.0	64
24 Jan. 2025	Upstream	Embankment, excavation, driving PHC pile	32	34.2	Brown	No smell	8.20	Nothing noticeable	< 1.0	100
Sunny	Downstream		33	33.9	Brown	No smell	8.40	Nothing noticeable	< 1.0	50
21 Feb. 2025	Upstream	Embankment, excavation, driving PHC pile	33	34.4	Brown	No smell	8.36	Nothing noticeable	< 1.0	100
Sunny	Downstream		31	33.9	Brown	No smell	8.10	Nothing noticeable	< 1.0	100
13 Mar 2025	Upstream	Embankment, excavation, driving PHC pile	30	31.5	Brown	No smell	8.32	Nothing noticeable	< 1.0	100
Sunny	Downstream		31	32.3	Brown	No smell	7.56	Nothing noticeable	< 1.0	100
27 Mar 2025	Upstream	Embankment, excavation, driving PHC pile	32	33.8	Brown	No smell	8.23	Nothing noticeable	< 1.0	64
Sunny	Downstream		31	32.7	Brown	No smell	7.95	Nothing noticeable	< 1.0	64
	Upstream									

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
	Downstream									
	Upstream									
	Downstream									
	Upstream									
	Downstream									
	Upstream									
	Downstream									
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	Upstream									
	Downstream									

Note: Appear.: Appearance, TSS: Total Suspended Solid

Comparative standard values for rivers are based on Sub-decree on Water Pollution Control.

(2) KC-4 Connection Canal

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
Mar. 2024	Upstream	Excavation of canal bed.	35	30	Clear	No smell	7.55	Nothing noticeable	< 1.0	50
	Downstream		35	32	Clear	No smell	7.55	Nothing noticeable	< 1.0	50
07 Jun. 2024	Upstream	Embankment, excavation, driving pile	28	35.7	Brown	No smell	6.77	Nothing noticeable	< 1.0	100
Sunny	Downstream		28	32.1	Brown	No smell	7.23	Nothing noticeable	< 1.0	100
12 Jul. 2024	Upstream	Embankment, excavation, driving pile	33	32	Clear	No smell	6.85	Nothing noticeable	< 1.0	64
Sunny	Downstream		33	33	Clear	No smell	7.23	Nothing noticeable	< 1.0	64
26 Jul. 2024	Upstream	Embankment, excavation, driving pile	32	32.5	Clear	No smell	7.15	Nothing noticeable	< 1.0	64
Cloudy	Downstream		31	31	Clear	No smell	6.92	Nothing noticeable	< 1.0	64
16 Aug 2024	Upstream	Embankment, excavation, driving pile	33	29	Clear	No smell	7.54	Nothing noticeable	< 1.0	120
Sunny	Downstream		34	30	Clear	No smell	7.89	Nothing noticeable	< 1.0	120
20 Sep. 2024	Upstream	Embankment, excavation, driving pile	34	32	Clear	No smell	7.44	Nothing noticeable	< 1.0	100
Sunny	Downstream		34	31	Clear	No smell	7.56	Nothing noticeable	< 1.0	75
25 Oct. 2024	Upstream		30	33.9	Brown	No smell	7.50	Nothing noticeable	< 1.0	50

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
Cloudy	Downstream	Embankment, excavation, driving PHC pile	30	32.5	Brown	No smell	7.10	Nothing noticeable	< 1.0	50
15 Nov 2024	Upstream	Embankment, excavation, driving PHC pile	30	31.9	Brown	No smell	7.70	Nothing noticeable	< 1.0	64
Sunny	Downstream		31	33.2	Brown	No smell	7.52	Nothing noticeable	< 1.0	64
29 Nov 2024	Upstream	Embankment, excavation, driving PHC pile	32	31.8	Brown	No smell	6.89	Nothing noticeable	< 1.0	64
Sunny	Downstream		31	31.7	Brown	No smell	6.70	Nothing noticeable	< 1.0	64
21 Dec 2024	Upstream	Embankment, excavation, driving PHC pile	28	30	Brown	No smell	7.20	Nothing noticeable	< 1.0	64
Sunny	Downstream		29	30	Brown	No smell	7.87	Nothing noticeable	< 1.0	64
03 Jan. 2025	Upstream	Embankment, excavation, driving PHC pile	33	34	Brown	No smell	7.90	Nothing noticeable	< 1.0	100
Sunny	Downstream		31	32.5	Bronw	No smell	7.89	Nothing noticeable	< 1.0	64
17 Jan. 2025	Upstream	Embankment, excavation, driving PHC pile	32	33	Brown	No smell	7.90	Nothing noticeable	< 1.0	64
Sunny	Downstream		31	34	Brown	No smell	8.50	Nothing noticeable	< 1.0	100
14 Feb. 2025	Upstream	Embankment, excavation, driving PHC pile	32	32.8	Brown	No smell	7.96	Nothing noticeable	< 1.0	100
Sunny	Downstream		30	33.9	Brown	No smell	8.10	Nothing noticeable	< 1.0	100
06 Mar 2025	Upstream	Embankment, excavation, driving PHC pile	33	34.5	Brown	No smell	8.23	Nothing noticeable	< 1.0	120
Sunny	Downstream		31	33.9	Brown	No smell	8.44	Nothing noticeable	< 1.0	120
	Upstream									
	Downstream									
	Upstream									
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(3) Kampong Daungkor Spillway

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
14 Jun. 2024	Upstream	Embankment, excavation, driving pile	30	33.5	Clear	No smell	7.32	Nothing noticeable	< 1.0	64
Sunny	Downstream		30	32.0	Clear	No smell	7.99	Nothing noticeable	< 1.0	50

Date Weather	Location	Type of Work	Construction Phase							
			Temperature (°C)		Color	Odor	pH	*Appear.	*TSS (mg/l)	Turbidity (NTU)
			Air	Water			6.5 – 8.5			
28 Jun. 2024	Upstream	Embankment, excavation, driving pile	29	31.9	Clear	No smell	7.12	Nothing noticeable	< 1.0	50
Sunny	Downstream		29	31.2	Clear	No smell	7.30	Nothing noticeable	< 1.0	50
02 Aug.2024	Upstream	Embankment, excavation, driving pile	32	33.1	Clear	No smell	6.54	Nothing noticeable	< 1.0	64
Cloudy	Downstream		32	33.6	Clear	No smell	6.49	Nothing noticeable	< 1.0	64
06 Sep. 2024	Upstream	Embankment, excavation, driving pile	32	31	Clear	No smell	6.89	Nothing noticeable	< 1.0	120
Cloudy	Downstream		32	31	Clear	No smell	7.12	Nothing noticeable	< 1.0	100
11 Oct. 2024	Upstream	Embankment, excavation, driving PHC pile	32	33.1	Clear	No smell	6.98	Nothing noticeable	< 1.0	64
Cloudy	Downstream		33	33.5	Clear	No smell	7.30	Nothing noticeable	< 1.0	50
07 Dec. 2024	Upstream	Embankment, excavation, driving PHC pile	29	30.1	Clear	No smell	6.98	Nothing noticeable	< 1.0	100
Sunny	Downstream		29	31.6	Clear	No smell	6.54	Nothing noticeable	< 1.0	100
28 Dec 2024	Upstream	Embankment, excavation, driving PHC pile	31	32.7	Clear	No smell	6.85	Nothing noticeable	< 1.0	64
Sunny	Downstream		31	32.5	Clear	No smell	6.55	Nothing noticeable	< 1.0	64
10 Jan. 2025	Upstream	Embankment, excavation, driving PHC pile	30	31.5	Brown	No smell	8.05	Nothing noticeable	< 1.0	100
Sunny	Downstream		32	34.2	Brown	No smell	8.20	Nothing noticeable	< 1.0	64
07 Feb. 2025	Upstream	Embankment, excavation, driving PHC pile	33	34.2	Brown	No smell	8.40	Nothing noticeable	< 1.0	107
Sunny	Downstream		32	33.5	Brown	No smell	7.20	Nothing noticeable	< 1.0	64
28 Feb. 2025	Upstream	Embankment, excavation, driving PHC pile	31	32.7	Brown	No smell	8.23	Nothing noticeable	< 1.0	107
Sunny	Downstream		33	33.6	Brown	No smell	8.20	Nothing noticeable	< 1.0	107
20 Mar 2025	Upstream	Embankment, excavation, driving PHC pile	29	33.8	Brown	No smell	7.65	Nothing noticeable	< 1.0	64
Sunny	Downstream		33	34.2	Brown	No smell	8.01	Nothing noticeable	< 1.0	64
	Upstream									
	Downstream									
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E-3: Monitoring of Construction Vehicle /Machine

1. Expected potential impact:		During construction phase, transportation of heavy equipment would cause air pollution, noise and vibration. Transportation of construction vehicles and transportation/operation of heavy equipment, such as dump truck, excavator, bulldozer, roller compactor and watering lorry, would exhaust emission gasses including nitrogen dioxide (NO_2) and suspended particular matter (SPM). And also, such heavy equipment would cause noise and vibration.
2. Monitoring method		
	(1) Monitoring frequency:	Daily basis
	(2) Location of monitoring:	Roads and access roads in the construction site
	(3) Recording method:	Counted by the Contractor
	(4) Evaluation criteria:	Number of construction vehicle and construction machine

Month 01:	June-July 2023:	No construction activity
Month 02:	August 2023:	No construction activity
Month 03:	September 2023:	No construction activity
Month 04:	October 2023:	No construction activity

Number of Construction Vehicle/Machine from Jun. 2023 to Mar. 2025

Month		RC + KSB				Roleang Chrey (RC)				Kandal Stung-Bati (KSB)			
		Const. Vehicle		Const. Machine		Const. Vehicle		Const. Machine		Const. Vehicle		Const. Machine	
		Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual
1	23-Jun-Jul	-	-	-	-	-	-	-	-	-	-	-	-
2	Aug-23	-	-	-	-	-	-	-	-	-	-	-	-
3	Sep-23	-	-	-	-	-	-	-	-	-	-	-	-
4	Oct-23	-	-	-	-	-	-	-	-	-	-	-	-
5	Nov-23	-	-	-	-	154	139	82	82	-	-	-	-
6	Dec-23	502	479	274	265	-	-	-	-	-	-	-	-
7	Jan-24	620	551	56	50	-	-	-	-	-	-	-	-
8	Feb-24	826	737	201	191	-	-	-	-	-	-	-	-
9	Mar-24	812	790	119	121	308	286	62	63	504	504	57	58
10	Apr-24	450	460	85	85	245	255	53	53	205	205	32	32
11	May-24	1,311	1,311	359	365	688	688	55	61	623	623	304	304
12	Jun-24	1,746	1,733	365	377	1,174	1,155	8	8	572	578	357	369
13	Jul-24	1,636	1,594	188	192	727	704	38	38	909	890	150	154
14	Aug-24	1,402	1,351	133	130	647	630	1	1	755	721	132	129
15	Sep-24	2,237	2,183	222	222	822	803	31	31	1,415	1,380	191	191
16	Oct-24	438	428	255	264	352	337	46	46	86	91	209	218
17	Nov-24	964	943	289	298	697	674	36	36	267	269	253	262
18	Dec-24	1,308	1,340	248	257	587	560	61	61	721	780	187	196
19	Jan-25	1,103	1,096	279	290	630	608	158	158	473	488	121	132
20	Feb-25	1,411	1,418	241	239	784	766	120	113	627	652	121	126
21	Mar-25	1,581	1,552	207	209	908	884	100	101	673	668	107	108
22	Apr-25												
23	May-25												
24	Jun-25												
25	Jul-25												
26	Aug-25												
27	Sep-25												
28	Oct-25												
29	Nov-25												
30	Dec-25												
31	Jan-26												
32	Feb-26												
33	Mar-26												
34	Apr-26												
35	May-26												
36	Jun-26												
37	Jul-26												
38	Aug-26												
39	Sep-26												
40	Oct-26												
41	Nov-26												
42	Dec-26												
43	Jan-27												
44	Feb-27												
45	Mar-27												
46	Apr-27												
47	May-27												
48	Jun-27												
49	Jul-27												
50	Aug-27												
51	Sep-27												
52	Oct-27												
53	Nov-27												
54	Dec-27												
55	Jan-28												
56	Feb-28												
57	Mar-28												
58	Apr-28												
59	May-28												
60	Jun-28												

Month 19: January 2025

Detail of Location: Roleang Chrey Site

Date		Working Time		Number				Type of Construction
				Construction Vehicle		Construction Machine		
		Start	Finish	Plan	Actual	Plan	Actual	
01	Wed	7:00 am	5:00 pm	30	30	5	5	Earthwork & Structure work
02	Thu	7:00 am	5:00 pm	14	12	4	4	Earthwork & Structure work
03	Fri	7:00 am	5:00 pm	30	28	4	4	Earthwork & Structure work
04	Sat	7:00 am	5:00 pm	32	32	4	4	Earthwork & Structure work
05	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
06	Mon	7:00 am	5:00 pm	30	27	6	6	Earthwork & Structure work
07	Tue	7:00 am	5:00 pm	16	15	7	7	Earthwork & Structure work
08	Wed	7:00 am	5:00 pm	10	10	6	6	Earthwork & Structure work
09	Thu	7:00 am	5:00 pm	14	12	6	6	Earthwork & Structure work
10	Fri	7:00 am	5:00 pm	20	20	6	6	Earthwork & Structure work
11	Sat	7:00 am	5:00 pm	20	20	6	6	Earthwork & Structure work
12	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
13	Mon	7:00 am	5:00 pm	21	21	7	7	Earthwork & Structure work
14	Tue	7:00 am	5:00 pm	21	21	7	7	Earthwork & Structure work
15	Wed	7:00 am	5:00 pm	21	18	7	7	Earthwork & Structure work
16	Thu	7:00 am	5:00 pm	28	28	7	7	Earthwork & Structure work
17	Fri	7:00 am	5:00 pm	21	21	7	7	Earthwork & Structure work
18	Sat	7:00 am	5:00 pm	16	14	7	7	Earthwork & Structure work
19	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
20	Mon	7:00 am	5:00 pm	16	16	7	7	Earthwork & Structure work
21	Tue	7:00 am	5:00 pm	34	34	7	7	Earthwork & Structure work
22	Wed	7:00 am	5:00 pm	30	28	7	7	Earthwork & Structure work
23	Thu	7:00 am	5:00 pm	21	21	7	7	Earthwork & Structure work
24	Fri	7:00 am	5:00 pm	21	21	7	7	Earthwork & Structure work
25	Sat	7:00 am	5:00 pm	21	21	7	7	Earthwork & Structure work
26	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
27	Mon	7:00 am	5:00 pm	36	36	4	4	Earthwork & Structure work
28	Tue	7:00 am	5:00 pm	14	14	4	4	Earthwork & Structure work
29	Wed	7:00 am	5:00 pm	25	25	4	4	Earthwork & Structure work
30	Thu	7:00 am	5:00 pm	34	32	4	4	Earthwork & Structure work
31	Fri	7:00 am	5:00 pm	34	31	4	4	Earthwork & Structure work
TOTAL				**630**	**608**	**158**	**158**	

Month 19: January 2025

Detail of Location: Kandal Stung-Bati Site

Date		Working Time		Number				Type of Construction
				Construction Vehicle		Construction Machine		
		Start	Finish	Plan	Actual	Plan	Actual	
01	Wed	7:00 am	5:00 pm	23	23	2	2	Earthwork & Structure work
02	Thu	7:00 am	5:00 pm	24	24	6	6	Earthwork & Structure work
03	Fri	7:00 am	5:00 pm	24	20	6	7	Earthwork & Structure work
04	Sat	7:00 am	5:00 pm	20	24	7	6	Earthwork & Structure work
05	Sun	7:00 am	5:00 pm	23	23	6	6	Sunday off
06	Mon	7:00 am	5:00 pm	26	26	4	4	Earthwork & Structure work
07	Tue	7:00 am	5:00 pm	14	14	2	2	Earthwork & Structure work
08	Wed	7:00 am	5:00 pm	23	23	2	7	Earthwork & Structure work
09	Thu	7:00 am	5:00 pm	1	1	3	3	Earthwork & Structure work
10	Fri	7:00 am	5:00 pm	21	21	4	4	Earthwork & Structure work
11	Sat	7:00 am	5:00 pm	22	22	5	5	Earthwork & Structure work
12	Sun	7:00 am	5:00 pm	16	16	4	4	Sunday off
13	Mon	7:00 am	5:00 pm	5	5	5	5	Earthwork & Structure work
14	Tue	7:00 am	5:00 pm	5	6	5	5	Earthwork & Structure work
15	Wed	7:00 am	5:00 pm	21	21	5	3	Earthwork & Structure work
16	Thu	7:00 am	5:00 pm	8	8	5	5	Earthwork & Structure work
17	Fri	7:00 am	5:00 pm	8	12	2	2	Earthwork & Structure work
18	Sat	7:00 am	5:00 pm	7	7	2	8	Earthwork & Structure work
19	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
20	Mon	7:00 am	5:00 pm	12	12	6	6	Earthwork & Structure work
21	Tue	7:00 am	5:00 pm	16	16	6	6	Earthwork & Structure work
22	Wed	7:00 am	5:00 pm	10	10	0	0	Earthwork & Structure work
23	Thu	7:00 am	5:00 pm	10	18	2	2	Earthwork & Structure work
24	Fri	7:00 am	5:00 pm	18	19	2	6	Earthwork & Structure work
25	Sat	7:00 am	5:00 pm	18	19	5	5	Earthwork & Structure work
26	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
27	Mon	7:00 am	5:00 pm	22	22	5	5	Earthwork & Structure work
28	Tue	7:00 am	5:00 pm	13	13	5	4	Earthwork & Structure work
29	Wed	7:00 am	5:00 pm	19	19	5	5	Earthwork & Structure work
30	Thu	7:00 am	5:00 pm	23	23	5	4	Earthwork & Structure work
31	Fri	7:00 am	5:00 pm	21	21	5	5	Earthwork & Structure work
TOTAL				**473**	**488**	**121**	**132**	

Month 20: February 2025

Detail of Location: Roleang Chrey Site

Date		Working Time		Number				Type of Construction
				Construction Vehicle		Construction Machine		
		Start	Finish	Plan	Actual	Plan	Actual	
01	Sat	7:00 am	5:00 pm	31	31	5	4	Earthwork & Structure work
02	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
03	Mon	7:00 am	5:00 pm	31	30	5	4	Earthwork & Structure work
04	Tue	7:00 am	5:00 pm	31	28	5	4	Earthwork & Structure work
05	Wed	7:00 am	5:00 pm	31	28	5	5	Earthwork & Structure work
06	Thu	7:00 am	5:00 pm	31	28	5	5	Earthwork & Structure work
07	Fri	7:00 am	5:00 pm	31	31	5	5	Earthwork & Structure work
08	Sat	7:00 am	5:00 pm	31	29	5	4	Earthwork & Structure work
09	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
10	Mon	7:00 am	5:00 pm	31	30	5	4	Earthwork & Structure work
11	Tue	7:00 am	5:00 pm	31	27	5	5	Earthwork & Structure work
12	Wed	7:00 am	5:00 pm	31	32	5	4	Earthwork & Structure work
13	Thu	7:00 am	5:00 pm	31	31	5	5	Earthwork & Structure work
14	Fri	7:00 am	5:00 pm	31	31	5	5	Earthwork & Structure work
15	Sat	7:00 am	5:00 pm	36	36	5	5	Earthwork & Structure work
16	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
17	Mon	7:00 am	5:00 pm	34	34	5	5	Earthwork & Structure work
18	Tue	7:00 am	5:00 pm	30	30	5	5	Earthwork & Structure work
19	Wed	7:00 am	5:00 pm	30	29	5	5	Earthwork & Structure work
20	Thu	7:00 am	5:00 pm	35	35	5	5	Earthwork & Structure work
21	Fri	7:00 am	5:00 pm	33	33	5	5	Earthwork & Structure work
22	Sat	7:00 am	5:00 pm	32	32	5	5	Earthwork & Structure work
23	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
24	Mon	7:00 am	5:00 pm	37	37	5	5	Earthwork & Structure work
25	Tue	7:00 am	5:00 pm	37	36	5	5	Earthwork & Structure work
26	Wed	7:00 am	5:00 pm	34	34	5	5	Earthwork & Structure work
27	Thu	7:00 am	5:00 pm	38	38	5	5	Earthwork & Structure work
28	Fri	7:00 am	5:00 pm	36	36	5	4	Earthwork & Structure work
TOTAL				**784**	**766**	**120**	**113**	

Month 20: February 2025

Detail of Location: Kandal Stung-Bati Site

Date		Working Time		Number				Type of Construction
				Construction Vehicle		Construction Machine		
		Start	Finish	Plan	Actual	Plan	Actual	
01	Sat	7:00 am	5:00 pm	20	20	5	5	Earthwork & Structure work
02	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
03	Mon	7:00 am	5:00 pm	11	11	3	3	Earthwork & Structure work
04	Tue	7:00 am	5:00 pm	18	18	3	5	Earthwork & Structure work
05	Wed	7:00 am	5:00 pm	18	24	3	5	Earthwork & Structure work
06	Thu	7:00 am	5:00 pm	24	24	5	5	Earthwork & Structure work
07	Fri	7:00 am	5:00 pm	24	30	5	6	Earthwork & Structure work
08	Sat	7:00 am	5:00 pm	23	23	5	5	Earthwork & Structure work
09	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
10	Mon	7:00 am	5:00 pm	28	28	5	5	Earthwork & Structure work
11	Tue	7:00 am	5:00 pm	28	29	5	5	Earthwork & Structure work
12	Wed	7:00 am	5:00 pm	30	30	5	6	Earthwork & Structure work
13	Thu	7:00 am	5:00 pm	30	30	5	6	Earthwork & Structure work
14	Fri	7:00 am	5:00 pm	30	32	7	7	Earthwork & Structure work
15	Sat	7:00 am	5:00 pm	32	22	7	7	Earthwork & Structure work
16	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
17	Mon	7:00 am	5:00 pm	29	29	6	6	Earthwork & Structure work
18	Tue	7:00 am	5:00 pm	25	25	4	4	Earthwork & Structure work
19	Wed	7:00 am	5:00 pm	28	28	5	5	Earthwork & Structure work
20	Thu	7:00 am	5:00 pm	28	29	5	6	Earthwork & Structure work
21	Fri	7:00 am	5:00 pm	29	31	5	3	Earthwork & Structure work
22	Sat	7:00 am	5:00 pm	29	36	5	5	Earthwork & Structure work
23	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
24	Mon	7:00 am	5:00 pm	25	25	5	4	Earthwork & Structure work
25	Tue	7:00 am	5:00 pm	25	35	6	6	Earthwork & Structure work
26	Wed	7:00 am	5:00 pm	31	31	7	7	Earthwork & Structure work
27	Thu	7:00 am	5:00 pm	31	31	4	4	Earthwork & Structure work
28	Fri	7:00 am	5:00 pm	31	31	6	6	Earthwork & Structure work
TOTAL				**627**	**652**	**121**	**126**	

Month 21: March 2025

Detail of Location: Roleang Chrey Site

Date		Working Time		Number				Type of Construction
				Construction Vehicle		Construction Machine		
		Start	Finish	Plan	Actual	Plan	Actual	
01	Sat	7:00 am	5:00 pm	37	37	4	4	Earthwork & Structure work
02	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
03	Mon	7:00 am	5:00 pm	37	36	4	4	Earthwork & Structure work
04	Tue	7:00 am	5:00 pm	37	37	4	4	Earthwork & Structure work
05	Wed	7:00 am	5:00 pm	44	44	4	4	Earthwork & Structure work
06	Thu	7:00 am	5:00 pm	37	36	4	5	Earthwork & Structure work
07	Fri	7:00 am	5:00 pm	38	38	4	4	Earthwork & Structure work
08	Sat	7:00 am	5:00 pm	30	28	4	4	Earthwork & Structure work
09	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
10	Mon	7:00 am	5:00 pm	36	36	4	4	Earthwork & Structure work
11	Tue	7:00 am	5:00 pm	36	36	4	4	Earthwork & Structure work
12	Wed	7:00 am	5:00 pm	36	36	4	4	Earthwork & Structure work
13	Thu	7:00 am	5:00 pm	36	35	4	4	Earthwork & Structure work
14	Fri	7:00 am	5:00 pm	36	35	4	4	Earthwork & Structure work
15	Sat	7:00 am	5:00 pm	38	38	4	4	Earthwork & Structure work
16	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
17	Mon	7:00 am	5:00 pm	38	37	4	4	Earthwork & Structure work
18	Tue	7:00 am	5:00 pm	38	37	4	4	Earthwork & Structure work
19	Wed	7:00 am	5:00 pm	32	32	4	4	Earthwork & Structure work
20	Thu	7:00 am	5:00 pm	33	33	4	4	Earthwork & Structure work
21	Fri	7:00 am	5:00 pm	33	33	4	4	Earthwork & Structure work
22	Sat	7:00 am	5:00 pm	33	33	4	4	Earthwork & Structure work
23	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
24	Mon	7:00 am	5:00 pm	41	37	4	4	Earthwork & Structure work
25	Tue	7:00 am	5:00 pm	41	37	4	4	Earthwork & Structure work
26	Wed	7:00 am	5:00 pm	41	37	4	4	Earthwork & Structure work
27	Thu	7:00 am	5:00 pm	41	37	4	4	Earthwork & Structure work
28	Fri	7:00 am	5:00 pm	30	34	4	4	Earthwork & Structure work
29	Sat	7:00 am	5:00 pm	0	0	0	0	Heavy rain (suspend work)
30	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
31	Mon	7:00 am	7:00 am	29	25	4	4	Earthwork & Structure work
TOTAL				**908**	**884**	**100**	**101**	

Month 21: March 2025

Detail of Location: Kandal Stung-Bati Site

Date		Working Time		Number				Type of Construction
				Construction Vehicle		Construction Machine		
		Start	Finish	Plan	Actual	Plan	Actual	
01	Sat	7:00 am	5:00 pm	36	36	6	6	Earthwork & Structure work
02	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
03	Mon	7:00 am	5:00 pm	36	27	6	3	Earthwork & Structure work
04	Tue	7:00 am	5:00 pm	21	21	3	4	Earthwork & Structure work
05	Wed	7:00 am	5:00 pm	30	30	4	4	Earthwork & Structure work
06	Thu	7:00 am	5:00 pm	30	32	4	4	Earthwork & Structure work
07	Fri	7:00 am	5:00 pm	20	21	5	5	Earthwork & Structure work
08	Sat	7:00 am	5:00 pm	24	24	5	5	Earthwork & Structure work
09	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
10	Mon	7:00 am	5:00 pm	20	19	5	6	Earthwork & Structure work
11	Tue	7:00 am	5:00 pm	20	20	5	6	Earthwork & Structure work
12	Wed	7:00 am	5:00 pm	30	30	2	2	Earthwork & Structure work
13	Thu	7:00 am	5:00 pm	30	24	5	5	Earthwork & Structure work
14	Fri	7:00 am	5:00 pm	24	28	5	5	Earthwork & Structure work
15	Sat	7:00 am	5:00 pm	26	26	5	5	Earthwork & Structure work
16	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
17	Mon	7:00 am	5:00 pm	26	26	5	7	Earthwork & Structure work
18	Tue	7:00 am	5:00 pm	30	30	3	3	Earthwork & Structure work
19	Wed	7:00 am	5:00 pm	25	25	4	4	Earthwork & Structure work
20	Thu	7:00 am	5:00 pm	25	30	4	4	Earthwork & Structure work
21	Fri	7:00 am	5:00 pm	31	31	4	4	Earthwork & Structure work
22	Sat	7:00 am	5:00 pm	31	30	4	3	Earthwork & Structure work
23	Sun	7:00 am	5:00 pm	20	21	2	2	Sunday off
24	Mon	7:00 am	5:00 pm	21	23	3	3	Earthwork & Structure work
25	Tue	7:00 am	5:00 pm	15	15	4	4	Earthwork & Structure work
26	Wed	7:00 am	5:00 pm	22	22	3	3	Earthwork & Structure work
27	Thu	7:00 am	5:00 pm	20	20	3	3	Earthwork & Structure work
28	Fri	7:00 am	5:00 pm	20	20	3	3	Earthwork & Structure work
29	Sat	7:00 am	5:00 pm	20	20	3	3	Earthwork & Structure work
30	Sun	7:00 am	5:00 pm	0	0	0	0	Sunday off
31	Mon	7:00 am	5:00 pm	20	17	2	2	Earthwork & Structure work
TOTAL				**673**	**668**	**107**	**108**	

E-4: Monitoring of Waste Management

1. Expected potential impact:		Concrete and other construction waste would be produced by the construction works. In addition, rehabilitation and improvement work of the sub-projects will increase soil disposal.
2. Monitoring method		
	(1) Monitoring frequency:	-
	(2) Location of monitoring:	Surface water at upstream/downstream of canals where construction sites.
	(3) Recording method:	items below at site laboratory or MOE laboratory
	(4) Evaluation criteria:	Sub-decree on solid waste management

3. Mitigation measures

(i) comply with relevant laws pertaining to the management and disposal of solid waste, hazardous waste and re-waste;

(ii) arrange suitable sites for disposal of solid waste prior to the construction works;

(iii) avoid dumping in the area of private property without written consent of the owner; and,

(iv) carry out recycle use of disposed soil as much as possible.

Month 01:	June-July 2023:	No activity
Month 02:	August 2023:	No activity
Month 03:	September 2023:	No activity
Month 04:	October 2023:	No activity

1. Roleang Chrey Sub-project

Period	Items	Type of Waste				
		Construction soil	Concrete waste	Organic waste	Inorganic waste	Hazardous waste
Nov. 2023	Location	Project site (RLC) at waste storage				
	Work type	Site preparation, fencing, general waste				
	Volume	0 ton	0 ton	2 m^3	2 m^3	1 m^3
	Detail	-	-	-	-	-
	Treatment Measure	-	-	Discharged by waste company (ECODA waste management)		
	Remark	-	-	Will be discharged 1 or 2 times per month.		
Dec. 2023	Location	Project site (RLC) at waste storage				
	Work type	Site preparation, fencing, general waste				
	Volume	0 ton	0 ton	3 m^3	3 m^3	1 m^3
	Detail	-	-	-	-	-
	Treatment Measure	-	-	Discharged by waste company (ECODA waste management)		
	Remark	-	-	Will be discharged 1 or 2 times per month.		
Jan. 2024	Location	Project site (RLC) at waste storage				
	Work type	Excavation, clearing work, installation of cofferdam				
	Volume	33,184 m^3	0 ton	3 m^3	4 m^3	1 m^3
	Detail	-	-	-	-	-
	Treatment Measure	Transport to disposal area	-	Discharged by waste company (ECODA waste management)		
	Remark	-	-	Will be discharged 1 or 2 times per month.		
Feb. 2024	Location	Project site (RLC) at waste storage				
	Work type	Excavation, clearing work, installation of cofferdam				
	Volume	37,798 m^3	0 ton	4 m^3	4 m^3	2 m^3
	Detail	-	-	-	-	-
	Treatment Measure	Transport to disposal area	-	Discharged by waste company (ECODA waste management)		
	Remark	-	-	Will be discharged 1 or 2 times per month.		
Mar. 2024	Location	Workshop and general work at site				
	Work type	Excavation of canal, reinforcement of existing piers of headworks				
	Volume	63,305 m^3	0 ton	15 m^3	12 m^3	4 m^3
	Detail	Disposal soil	-	-	-	-
	Treatment Measure	Transport to disposal area	-	Discharge by waste company		
	Remark			Will be discharged 1 or 2 times per month.		
Jun. to Sep. 2024	Location	Project site (RLC) at waste storage				
	Work type	Workshop & General work at site				
	Volume	66,417 m^3	1.5 m^3	22 m^3	23 m^3	6 m^3
	Detail	Disposal soil	-	-	-	-
	Treatment Measure	Transport to disposal area	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)
	Remark	-	Fow washing waste concrete will be returned to batching plant.	Will discharge 2/3 times per month.		

Period	Items	Type of Waste				
		Construction soil	Concrete waste	Organic waste	Inorganic waste	Hazardous waste
Oct. to Dec. 2024	Location	Project site (RLC) at waste storage				
	Work type	Workshop & General work at site				
	Volume	22,681 m^3	2 m^3	11 m^3	10 m^3	4 m^3
	Detail	Disposal soil				
	Treatment Measure	Transport to disposal area	Discharge at designed waste concrete location.	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)
	Remark		For washing waste concrete will be returned to batching plant.	Will discharge 2/3 times per month.		
Jan. to Mar. 2025	Location	Project site (RLC) at waste storage				
	Work type	Workshop & General work at site & structure work				
	Volume	14,043 m^3	3 m^3	8 m^3	12 m^3	2 m^3
	Detail	Disposal soil				
	Treatment Measure	Mobilize to approved disposal area	Discharge at designed waste concrete location.	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)	Discharge by waste company (ECODA)
	Remark		For washing mixer truck will be returned to batching plant.	Will discharge 2/3 times per month.		
	Location					
	Work type					
	Volume					
	Detail					
	Treatment Measure					
	Remark					

2. Kandal Stung-Bati Sub-project

Period	Items	Type of Waste				
		Construction soil	Concrete waste	Organic waste	Inorganic waste	Hazardous waste
Mar. 2024	Location	Workshop and general work at site / site office				
	Work type	Excavation of canal, reinforcement of existing piers of headworks				
	Volume	63,305 m^3	0 ton	16 m^3	14 m^3	3 m^3
	Detail	Disposal soil	-	-	-	-
	Treatment Measure	Transport to disposal area	-	Discharge by waste company		
	Remark			Will be discharged 1 or 2 times per month.		
Jun. to Sep. 2024	Location	KDS sub-project				
	Work type	Workshop and general work at site / site office				
	Volume	70,361 m^3	1.5 ton	16 m^3	14 m^3	3 m^3
	Detail	Disposal soil	-	-	-	-
	Treatment Measure	Transport to disposal area	Discharged by waste company (ECODA)	Discharged by waste company (ECODA)	Discharged by waste company (ECODA)	Discharged by waste company (ECODA)

Period	Items	Type of Waste				
		Construction soil	Concrete waste	Organic waste	Inorganic waste	Hazardous waste
	Remark	-	Fow washing waste concrete will be returned to batching plant.	Will discharge 1/2 times per month.		
Oct. to Dec. 2024	Location	KDS sub-project				
	Work type	Workshop and general work at site / site office				
	Volume	66,570 m^3	2 m^3	12 m^3	11 m^3	2 m^3
	Detail	Disposal soil				
	Treatment Measure	Transport to disposal area	Discharged by waste company	Discharged by waste company	Discharged by waste company	Discharged by waste company
	Remark		Fow washing waste concrete will be returned to batching plant.	Will discharge 1/2 times per month.		
Jan. to Mar. 2025	Location	KDS sub-project				
	Work type	Workshop and general work at site / site office				
	Volume	0 m^3	4 m^3	9 m^3	14 m^3	5 m^3
	Detail	Disposal soil				
	Treatment Measure	Transport to disposal area	Discharge at designated area only	Discharged by waste company	Discharged by waste company	Discharged by waste company
	Remark		Fow washing waste concrete will be returned to batching plant.	Will discharge 1/2 times per month.		
	Location					
	Work type					
	Volume					
	Detail					
	Treatment Measure					
	Remark					

Monitoring Form S-2: Land Acquisiotion and Resettlement (Preparation and Implementation Period)

Preparation of the RAP

Province Jurisdiction	Date	Resettlement workers (man-months)	Training and mobilization (No. of trained personnel	Socio-economic surveyed persons (No.)	Identified eligible persons (No.)	Distribution of information brochure (No. of distributed)	Holding Public consultation (No. of held)
Kampong Speu	28 Jun. 2021	N.A. (To be identified in DRP	N.A. (To be identified in DRP	264 Nos. (household)	1194 (Affected households. No. of eligible persons to be identified in DRP)	None (To be distributed during DRP)	5 Nos.
Kandal	28 Jun. 2021			190 Nos. (household)	222 (Affected households. No. of eligible persons to be identified in DRP)		4 Nos.
Takeo	28 Jun. 2021						

Province Jurisdiction	Date	Land to be acquired (ha)	Owner identified land to be acquired (ha)	Not owner identified land to be acquired (ha)	Evaluated land to be acquired (ha)	Not evaluated land to be acquired (ha)	Identified structures to be acquired (No.)	Evaluated structures to be acquired (No.)	Identified Eligible persons (No.)	Finalization of the budget for the RAP (%)	Preparation of the RAP (%)	Approval of the RAP (done)
Kampong Speu	28 Jun. 2021	9.0ha	0ha	-	9.0ha	0ha	41 Nos.	41 Nos.	1194 (Affected households. No. of eligible persons to be identified in DRP)	100%	yes	Yes
Kandal	28 Jun. 2021	4.5ha	4.5ha	0ha	4.5ha	0ha	15 Nos.	15 Nos.	222 (Affected households. No. of eligible persons to be identified in DRP)	100%	yes	yes
Takeo												

Preparation of the DRP

Province Jurisdiction	Date	Resettlement workers (man-months)	Training and mobilization (No. of trained personnel	Socio-economic surveyed persons (No.)	Identified eligible persons (No.)	Distribution of information brochure (No. of distributed)	Holding Public consultation (No. of held)
Kampong Speu	Aug. 2022	No information	No information	3,622 APs / 986 HAs	3,622 APs / 986 HAs	1 no. updated	12 nos.
Kandal	May 2022	No information	No information	1,103 APs / 287 AHs	1,103 APs / 287 AHs	1 no. updated	6 nos.
Takeo							

Province Jurisdiction	Date	Land to be acquired (ha)	Owner identified land to be acquired (ha)	Not owner identified land to be acquired (ha)	Evaluated land to be acquired (ha)	Not evaluated land to be acquired (ha)	Identified structures to be acquired (No.)	Evaluated structures to be acquired (No.)	Identified Eligible persons (No.)	Finalization of the budget for the DRP (%)	Preparation of the DRP (%)	Approval of the DRP (done)
Kampong Speu	Aug. 2021	14.8 ha	14.8 ha	0.0 ha	14.8 ha	0.0 ha	*67nos.	67 nos.	3,622 APs / 986 AHs	100%	100%	Done
Kandal	May 2022	2.7 ha	2.7 ha	0.0 ha	2.7. ha	0.0 ha	*16 nos.	16 nos.	1,103 APs / 287 AHs	100%	100%	Done
Takeo										100%		

*Main structure including those partially affected.

Implementation of the DRP

Province Jurisdiction	Date	Land to be acquired (ha)	No. of affected Household/ Commercial Structures/ Common Property	Land already acquired (ha)	Household/ Commercial Structures /Common Property already relocated	Land remaining to be acquired (ha)	Household/ Commercial structures/ Common Property t be relocated	Payment Status	Expected date of completion
Kampong Speu	Dec 1, 2022	14.8 ha	3,622 APs (986 AHs) / 67 nos.	Not yet	Not yet	No information	No informaiton	98.24%	July 2023
Kandal Takeo	Oct 31, 2022	2.7 ha	1,103 APs (287 AHs) / 16 nos.	Not yet	Not yet	No information	No infomration	95.51%	July 2023

1. Land acquisition	
Planned completion date: October 2022	Actual completion date:
Main reason(s) for delay (if delayed):	
2. Relocation Status of Common Property Resources	
Planned period: After October 2022	Actual completion date:
a) Water facilities b) School c) Health centre d) Social hall e) Access road f) Cultural Centre g) Main reason(s) for delay (if delayed)	
3. Compensation payment	
Planned completion date: August – October 2022	Actual completion date:
4. Relocation of PAPs	
Planned completion date: After October 2022	Actual completion date:
Main reason(s) for delay (if delayed)	

Note: This is a guideline monitoring form which indicates the major items to be monitored. The consolidated IRC-wise monitoring forms which are more practical and user-friendly at the field level are proposed abbreviation RAP or Land acquisition plan by MOWRAM and IRC.

Source: JICA Survey Team