Environmental Monitoring Report No. 10

Project:	The Project for the Expansion of Water Supply System in Ta Khmau
Monitoring Stage:	During Construction Works
Report Period:	August 2024 – October 2024

1. Responses/Actions to Comments and Guidance from Government Authorities and the Public

Monitoring Item	Monitoring Results during Report Period
Responses/Actions to Comments and Guidance from Government Authorities	No guidance from government authorities

2. Mitigation Measures

- Air Quality（Emission Gas / Ambient Air Quality）

Item	Unit	Measured Value（Mean）	Measured Value（Max.）	Country's Standards	Referred International Standards	Measurement Point, Frequency
PM10	µg/m3	6.0	7.1	50 (avg/year)	100 (10hr)	At Entrance Guard House, Monthly
PM2.5	µg/m3	6.8	8.2	25 (avg/year)	50 (5hr)	

- Water Quality（Effluent/Wastewater/Ambient Water Quality）

Item	Unit	Measured Value（Mean）	Measured Value（Max.）	Country's Standards	Referred International Standards	Measurement Point, Frequency
pH	-	7.1	7.4	6 – 9	6 – 9	a-1* , Monthly
		7.1	7.2			a-2*, Monthly
SS	mg/L	67	90	120		a-1* , Monthly
	mg/L	116	119			a-2*, Monthly
BOD_5	mg/L	64	113	80		a-1* , Monthly
	mg/L	45	132			a-2*, Monthly
COD	mg/L	63	79	100		a-1* , Monthly
	mg/L	95	129			a-2*, Monthly

* a-1: Contractor's Office a-2: Sub-Contractor's Camp

- Waste

Monitoring Item	Monitoring Results during Report Period
Cleared conditions of Domestic Waste points (a-1*, a-2*, c*) and Construction Waste Disposal Point (c*)	Good

* a-1: Contractor's Office a-2: Sub-Contractor's Camp c: Ta Khmau Water Treatment Plant Site

- Noise / Vibration

Item	Unit	Measured Value（Mean）	Measured Value（Max.）	Country's Standards	Referred International Standards	Remarks (Measurement Point, Frequency, Method, etc.)
Noise level	dB(A)	67.8	68.4	75	85	Ta Khmau Water Treatment Plant Site
Vibration level	dB(A)	28.7	29.0	65	75	

- Odor

Monitoring Item	Monitoring Results during Report Period
Occurrence of problematic odors	No problematic odors

3. Natural Environment

- Ecosystem

Monitoring Item	Monitoring Results during Report Period
Negative effects/Actions to Valuable species	No negative effects/actions

4. Social Environment

- Resettlement

Monitoring Item	Monitoring Results during Report Period
Possibility of Resettlement	No possibility

- Living / Livelihood

Monitoring Item	Monitoring Results during Report Period
Possibility of effects on living/livelihood	No possibility