

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

Monitoring Item	Monitoring Results during Report Period
No. of Responses/ Actions to comments and Guidance from Government Authorities (DENR, NIA, LGUs, DA, DOLE, DSWD)	<ul style="list-style-type: none"> - Quarterly during Construction - Twice a year during Operation for two Years

1.1 MONITORING REPORTS SUBMITTED TO DENR

A. Self- Monitoring Report

Monitoring Item		Monitoring Results during Report Period	
QUARTER	SUBMISSION SCHEDULE	Submission Date	RESULT
1 ST Quarter	On or before 15 th of April 2024	April 11, 2024	<i>On- going evaluation by EMB</i>
2 nd Quarter	On or before 15 th of July 2024	July 14, 2024	<i>Sufficient as per evaluation of EMB</i>
3 rd Quarter	On or before 15 th of October 2024	<i>For submission on the date specified</i>	--
4 th Quarter	On or before 15 th of January 2025	<i>For submission on the date specified</i>	--

B. Compliance Monitoring Report

Monitoring Item		Monitoring Results during Report Period	
QUARTER	SUBMISSION SCHEDULE	Submission Date	RESULT
1 ST Semester (January to June 2024)	On or before 15 th of July 2024	July 15, 2024	<i>On- going evaluation by EMB</i>
2 nd Semester (July to December 2024)	On or before 15 th of January 2025	<i>For submission on the date specified</i>	--

2. Mitigation Measures

2.1 Air Quality (Ambient Air Quality) during Construction Phase

Monitoring Quarter	Item	Unit	Measured Value (Mean)	Measured Value (Max)	Country's Standard	Reference International Standard	Remarks (Measurement Point, Frequency, Method, Etc)
1 st Quarter - Year 2024	SO ₂	µg/ Ncm	6	N/A	340	-	Refer to 2.1.1 Mitigation Measures (Remarks)
	NO ₂	µg/ Ncm	8.6	N/A	260	200 IFC	
	Dust (TSP)	µg/ Ncm	71	N/A	300	-	
2 nd Quarter Year 2024	SO ₂	µg/ Ncm	8.4	N/A	340	-	
	NO ₂	µg/ Ncm	7.6	N/A	260	200 IFC	
	Dust (TSP)	µg/ Ncm	46.9	N/A	300	-	
3 rd Quarter Year 2024	SO ₂	µg/ Ncm	26.7	N/A	340	-	
	NO ₂	µg/ Ncm	11.9	N/A	260	200 IFC	
	Dust (TSP)	µg/ Ncm	46.8	N/A	300	-	

2.1.1. Mitigation Measures (Remarks)

Parameter	Measurement Point	Frequency	Method	Other Details, (if necessary)
SO ₂	PCPI Batching Plant- near Aliaga-Guimba Road	Quarterly	Method of Analysis: Gravimetric Method	Reference Procedure: US EPA/ Appendix B to Part 50, Subchapter C, 40 CFR Chapter 1 (7-1-19 Edition) Sampling Equipment: High Volume Sampler (1-Hour Sampling)
NO ₂	PCPI Batching Plant- near Aliaga-Guimba Road	Quarterly	Method of Analysis: Pararosalinine Method	Reference Procedure: US EPA/ Appendix B to Part 50, Subchapter C, 40 CFR Chapter 1 (7-1-19 Edition) Sampling Equipment: Gas Bubbler Sampler (1-Hour Sampling)
Dust (TSP)	PCPI Batching Plant- near Aliaga-Guimba Road	Quarterly	Method of Analysis: Griess Saltzmann Method	Reference Procedure: US EPA/ Lodge, James P., Methods of Air Sampling and Analysis (3 rd Edition) Sampling Equipment: Gas Bubbler Sampler (1-Hour Sampling)

2.2 Water Quality (Ambient Water Quality)

LOCATION: POGO CREEK

Monitoring Quarter	Item	Unit	Measured Value (Mean)	Measured Value (Max)	Country's Standard	Reference International Standard	Remarks (Measurement Point, Frequency, Method, Etc)
1 st Quarter- Year 2024	pH	pH	8.57	--	6.5-9	--	- Upstream and downstream portions of affected water bodies - Quarterly during Construction - Grab Sampling
	TSS	mg/L	17.6	--	80	--	
	BOD	mg/L	21	--	50	--	
	DO	mg/L	5	--	≤5	--	
	Temperature	° C	28.4	--	25-31	--	
2 nd Quarter Year 2024	pH	pH	--	--	6.5-9	--	
	TSS	mg/L	--	--	80	--	
	BOD	mg/L	--	--	50	--	
	DO	mg/L	--	--	≤5	--	
	Temperature	° C	--	--	25-31	--	
3 rd Quarter Year 2024	pH	pH	6.58	--	6.5-9	--	
	TSS	mg/L	29.7	--	80	--	
	BOD	mg/L	24	--	50	--	
	DO	mg/L	6.6	--	≤5	--	
	Temperature	° C	29.3	--	25-31	--	

Remarks:

- **NO SAMPLING FOR SECOND QUARTER DUE TO STAGNANT WATER. IRRIGATION WATER SUPPLY IS CONTROLLED BY THE MUNICIPALITY DURING THE TIME OF SAMPLING.**
- **Result of Water Quality Test for the following quarters fail:**
1st Quarter- Potential Hydrogen
3rd Quarter- Dissolved Oxygen

Justification:

The CLLEX Project is located in between farmlands and communities with animal rearing, poultries and piggeries that might be the primary cause of possible exceedance on the specified parameters of water quality test results.

LOCATION: MAMAGTING CREEK

Monitoring Quarter	Item	Unit	Measured Value (Mean)	Measured Value (Max)	Country's Standard	Reference International Standard	Remarks (Measurement Point, Frequency, Method, Etc)
1 st Quarter- Year 2024	pH	pH	9.35	--	6.5-9	--	- Upstream and downstream portions of affected water bodies - Quarterly during Construction - Grab Sampling
	TSS	mg/L	14.5	--	80	--	
	BOD	mg/L	16	--	50	--	
	DO	mg/L	3.4	--	≤5	--	
	Temperature	° C	27	--	25-31	--	
2 nd Quarter Year 2024	pH	pH	8.79	--	6.5-9	--	
	TSS	mg/L	24.6	--	80	--	
	BOD	mg/L	52	--	50	--	
	DO	mg/L	6.4	--	≤5	--	
	Temperature	° C	31.3	--	25-31	--	
3 rd Quarter Year 2024	pH	pH	7.41	--	6.5-9	--	
	TSS	mg/L	39	--	80	--	
	BOD	mg/L	25	--	50	--	
	DO	mg/L	6	--	≤5	--	
	Temperature	° C	33.3	--	25-31	--	

Remarks:

- Result of Water Quality Test for the following quarters fail:
1st Quarter- Potential Hydrogen
2nd Quarter- Biological Oxygen Demand
3rd Quarter- Dissolved Oxygen

Justification:

The CLLEX Project is located in between farmlands and communities with animal rearing, poultries and piggeries that might be the primary cause of possible exceedance on the specified parameters of water quality test results.

2.3 Waste

Monitoring Item	Monitoring Results during Report Period
Solid Wastes (Tons/ Day)	0 Tons/ Day
Sanitary Wastes (Tons/ Day)	0 Tons/ Day
Unsuitable Soil (cubic meter/ day)	0 Cubic meter/ Day
Hazardous Wastes (Tons/ Month)	0 Tons/ Day
Hazardous Wastes (Tons/ Month)	0 Tons/ Day

(Wastes were quantified and reflected to the contractors Quarterly SMR)

ATTACHMENT 4

2.4 Noise

Monitoring Quarter	Item	Unit	Measured Value (Mean)	Measured Value (Max)	Country's Standard	Reference International Standard	Remarks (Measurement Point, Frequency, Method, Etc)
1st Quarter- Year 2024	Noise Level	dBA	57.4	58	70 dBA- Daytime Noise	45-55 (Hospital) 45-55 (Residential) 70 (Commercial) 70 (Industrial)	-Same points as baseline survey - Quarterly during construction -Digital Sound Level Meter
2nd Quarter Year 2024	Noise Level	dBA	57.8	58	70 dBA- Daytime Noise	45-55 (Hospital) 45-55 (Residential) 70 (Commercial) 70 (Industrial)	
3rd Quarter Year 2024	Noise Level	dBA	61	60.5	70 dBA- Daytime Noise	45-55 (Hospital) 45-55 (Residential) 70 (Commercial) 70 (Industrial)	