

Monitoring Form

1. construction phase			
(1) Response/Actions to Comments and Guidance from Government Authorities and the Public			
Monitoring Item		Monitoring Results during Report Period	
Number and contents of formal comments made by public.		None	
Number and contents from Government agencies.		None	
(2) Pollution			
(i) Air Pollution			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation of environmental mitigation measures in construction plan.	Confirmed	—	Before commencement of construction activities
Confirmation of implementation of environmental mitigation measures on construction activities. <ul style="list-style-type: none"> • Water spray in/around the project site. • Regular inspection of construction machineries. • Rational operation of construction machineries. 	<ul style="list-style-type: none"> • Water spraying in progress • Regular inspections Pre-work inspections: Daily Regular inspections: Once a month • Idling prohibited 	Project site	Any time during construction phase
(ii) Water Pollution			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation of environmental mitigation measures in construction plan.	Confirmed	—	Before commencement of construction activities
Confirmation of implementation of environmental mitigation measures on construction activities. <ul style="list-style-type: none"> • Water quality (turbid) of river (visual inspection). • Protection of embankment slope. 	<ul style="list-style-type: none"> • Daily checks of river water quality are being conducted (visual inspection). • Pre-work inspections of the ground are being conducted. 	Project site	Before commencement construction activities, and during construction activities
(iii) Soil Pollution			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation of environmental mitigation measures in construction plan.	Confirmed	—	Before commencement of construction activities
Confirmation of implementation of environmental mitigation measures on construction activities. <ul style="list-style-type: none"> • Regular inspection of construction machineries. 	<ul style="list-style-type: none"> • Regular inspections Pre-work inspections: Daily Regular inspections: Once a month 	Project site	Before commencement construction activities, and during construction activities
(iv) Waste			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation for environmental mitigation measures in construction plan.	Confirmed	—	Before commencement

			of construction activities
Confirmation of implementation of environmental mitigation measures on construction activities. • Dumping of construction wastes.	Transportation to designated locations is underway (landfill sites)	Project site, Dumping site of wastes	Before commencement construction activities, and during construction activities
(v) Noise (Construction Noise)			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation of environmental mitigation measures in construction plan.	Confirmed	—	Before commencement of construction activities
Confirmation of implementation of environmental mitigation measures on construction activities. • Regular inspection of construction machineries. • Rational operation of construction machineries.	• Regular inspections Pre-work inspections: Daily Regular inspections: Once a month	Project site	Before commencement construction activities, and during construction activities
(3) Natural Environment			
(i) Ecosystem			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation of environmental mitigation measures in construction plan.		—	Before commencement of construction activities
Confirmation of the reforestation.		Project site, Reforestation site	
(4) Social Environment			
(i) Resettlement /Poor			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Review of ARAP.		—	Before commencement of construction activities
Progress of land acquisition and resettlement based on ARAP.		Project site	Before commencement construction activities, and during construction activities
(ii) Local economies, such as employment, livelihood, etc.			
Including in Resettlement / Poor.			
(iii) Misdistribution of benefits and damages			
Including in Resettlement / Poor.			
(iv) HIV/AIDS and other STDs			
Item	Monitoring Results during Report Period	Measured to be Taken	Frequency
Confirmation of construction plan. (education and enlightenment)	Confirmed	—	Before commencement

					of construction activities
Confirmation of construction records including protection against HIV/AIDS.			Project site		During construction period
(v) Working Environment (including Safety)					
Item	Monitoring Results during Report Period		Measured to be Taken	Frequency	
Confirmation of safety plan of construction work.	Confirm the MSS (Method Statement on Safety) before commencement of works.		—	Before commencement of construction activities	
Confirmation of construction records including safety precautions.	Confirmation of daily work instruction sheet.			During construction period	
(vi) Trans-boundary impacts or climate change					
Item	Monitoring Results during Report Period		Measured to be Taken	Frequency	
(Maintenance of construction machineries) Confirmation of construction records.	Confirmation of weather records and maintenance record of machineries.		—	During construction period	
(Reforestation) Confirmation of construction records and field reconnaissance.				After completion of replanting	
(5) Others					
(i) Grievance on Environmental and Social Matters					
Number of Grievance	Details of Grievance			Handling and Outcomes	
None					
2. Operation Phase					
(1) Response/Actions to Comments and Guidance from Government Authorities and the Public					
Monitoring Item			Monitoring Results during Report Period		
Number and contents of formal comments made by public.			None		
Number and contents from Government agencies.			None		
(2) Pollution					
(i) Air Quality (Emission Gas / Ambient Air Quality)					
Item/Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards	Referred International Standards	Remarks (Measurement Point, Frequency, Method, etc.)
PM _{2.5} (µg/m ³)	23.8	34	25	25	In/around Project site
PM ₁₀ (µg/m ³)	33.3	45	50	50	
NO ₂ (µg/m ³)	0.0	0	200	200	
O ₃ (µg/m ³)	20.0	32	200	200	
SO ₂ (µg/m ³)	0.0	0	20	20	
(i) Noise					
Item/Unit	Measured Value (Mean)	Measured Value (Max.)	Country's Standards	Referred International Standards	Remarks (Measurement Point, Frequency, Method, etc.)
Noise level (dB)	50.8	65		Daytime 55 Nighttime 45	In/around Project site