Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
LAND				
☑ Consistency with land use	Current land use w/in 1km radius (as per zoning ordinance): ☐ Residential ☐ Commercial/ Institutional ☐ Industrial ☐ Agricultural/ Recreational ☐ Protected Areas ☐ Others, specify Actual land uses w/in 1km radius: ☐ Residential ☐ Commercial/ Institutional ☐ Industrial ☐ Agricultural/ Recreational ☐ Protected Areas ☐ Others, specify	☑ See attached proof of compatibility with land use ☑ Limit project activities to what is compatible to the land use ☐ Others, specify		

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
☐ Land tenure / compatibility issue	Identify land tenure/ compatibility issues: ☐ CARP ☐ CADC/ CADT/ CALC/ CALT ☐ ROW ☐ Informal settlers ☐ Ecologically sensitive or protected area ☐ Others, specify	☐ Obtain the following clearances/ permits from concerned agencies: ☐ Resettlement Plan prepared ☐ Provide relocation/disturbance compensation packages ☐ Ensure participation of IPs in consultations and dialogues ☐ MOA prepared/signed ☐ Provide adequate buffer ☐ Others, specify	☑ Regularly monitor presence/absence of complaints ☑ Regular coordination with LGU or appropriate agencies ☐ Others, specify	
☐ Disturbance to wildlife due to vegetation clearing	Existing vegetation in the area: ☐ Forestland ☐ Marshland ☐ Grassland ☐ Mangrove ☐ Wetland ☐ Others, specify	☑ Comply with conditions of DENR/LGU SLUP, Tree Cutting Permit, ROW, PCA Permit ☑ Limit land clearing as much as possible ☑ Provide temporary fencing for vegetation that will be retained ☑ Promote restoration of damaged or destroyed vegetation where possible (e.g., tree planting) ☐ Others, specify	☑ Annual inspection of area replanted/ re-vegetated ☐ Others, specify	

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
☐ Change in surface landform/ topography/ terrain/slope ☐ Soil Erosion	Slope: ☐ Flat (0-3%) ☐ Gently sloping to rolling (3-18%) ☐ Steep (>18%) Is the project site located in an area identified by MGB/PAG-ASA/ PHIVOLCS as hazard prone? ☐ Yes ☐ No	Considering the natural hazards and climate projections in the area: ☐ Employ appropriate erosion control and slope protection measures ☐ Designate a spoils storage area, with topsoil set aside for later use and allow maximum re-use of spoils ☐ Construct during dry season ☐ Stabilize embankment with grasses or other soil cover ☐ Conduct Engineering Geological and Geo-hazard Assessment (EGGA) and implement corresponding recommendation ☐ Others, specify	☐ Regular inspection of slope protection measures in erosion-prone areas ☐ Regular inspection for new eroded areas near the site ☐ Others, specify	
Building of structure and improper solid waste disposal leading to: ☐ Impairment of visual aesthetics ☐ Devaluation of land values	Solid Waste Management Scheme in the area: ☐ SLF ☐ MRF ☐ Composting ☐ Regular Collection of Solid Wastes	☑ Implement recovery re-use and recycling of waste materials ☑ Provide receptacles / bins for solid wastes ☐ Composting of Organic Wastes ☐ Coordinate with the municipal / city waste collectors ☐ Implement landscaping and other	☑ Daily inspection of waste handling including segregation in waste/recycling bins ☑ Weekly inspection of waste accumulation and disposal ☐ Regular inspection of landscaping and other beautification activities	

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
	Presence of visually significant landforms/landscape/structures? ☐ Yes ☐ No	beautification measures ☐ Provide adequate buffer ☐ Compensate adjacent property owners ☐ Others, please specify	☐ Regular monitoring of buffer zones ☑ Regular monitoring for presence/absence of complaints from adjacent property owners ☐ Others, specify	
☐ Soil/Land contamination due to materials leakage ☐ Depletion of soil nutrient content/soil productivity/Change in acidity/alkalinity of soil	Existing soil/land type in the expansion area: ☐ sandy ☐ clay ☐ sandy-loam ☐ concrete/cement ☐ Others, specify Soil acidity/alkalinity ☐ acidic ☐ basic Conduct of soil test/analysis for the following parameters relevant to the potential source of contamination:	☐ Secondary containment (pls specify) ☐ Engage third party company for waste collection ☐ Others, specify	☐ Regular inspection for leakage of materials that can cause land/soil contamination. ☐ Monitoring of soil physical and chemical properties	
WATER				

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		

☐ Increased siltation due to project activities
☐ Water quality degradation
☐ Others, specify

Specify nearest/receiving water body

Distance to nearest/receiving water body:
☐ 0 to less than 0.5 km
☐ 0.5 to 1 km
☐ More than 1 km

Classification of nearest water body:

☐ Freshwater	☐ Marine/ coastal water
☐ AA	☐ SA
☐ A	☐ SB
☐ B	☐ SC
☐ C	☐ SD
☐ D	

Current Water Use:
☐ Fishery
☐ Tourist Zone / Park
☐ Recreational
☐ Industrial
☐ Agricultural
☐ Others, specify:

☑ Set up proper and adequate sanitary facilities
☑ Ensure strict observance of proper waste handling and disposal and proper sanitation including by the contractors and its workers (if any)
☑ Provide wastewater treatment facility (e.g., septic tank, oil and water separator, etc.)
☐ Set up silt trap/stilling ponds to minimize downstream siltation
☐ Provide three-chambered septic tank for domestic sewage
☐ Provide ring canals around fuelling tanks/ motorpool/ maintenance areas
☐ Others, specify

Regular (ocular) inspection of:
☐ Drainage / canal systems
☐ Wastewater treatment facility (i.e., grease trap, septic tank, etc.)

Monitoring of ambient water for the following:

Parameter	Frequency
☐ pH	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ TSS concentration	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ BOD	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ Color	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ Oil and Grease	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ Total Coliform	☐ Annual ☐ Semi-annual ☐ Quarterly

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
	Distance of project area to the nearest well used: ☐ 0 to less than 0.5 km ☐ 0.5 to 1 km ☐ More than 1 km Use of the nearest well: ☐ Drinking/Domestic ☐ Industrial ☐ Agricultural ☐ Others:		☐ Heavy metals: ☐ Annual ☐ Semi-annual ☐ Quarterly ☐ Others: ☐ Annual ☐ Semi-annual ☐ Quarterly	
☐ Competition in water use ☐ Depletion of water resources	Size of population using the source/s of water for the project: ☐ ≤ 1,000 persons ☐ >1,000 and ≤ 5,000 persons ☐ >5,000 persons Available/nearest water source. ☐ Deepwell	☐ Implement rainwater harvesting and similar measures as an alternative source of water ☐ Observe water conservation measures; ☐ Carefully select project site to avoid disruption of traditional water uses ☐ Obtain Water Permit from NWRB ☐ Improve efficiency of water supply and distribution system	☑ Regular monitoring for presence/absence of complaints ☑ Regular coordination with concerned agencies ☑ Regular monitoring for occurrences of water shortages ☐ Others, specify	

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
	☐ Water district/LGU ☐ Surface water ☐ Others, specify	☐ Increase storage capacities of water supply structures for resilience to greater climate variations and extremes ☐ Others, specify		
☐ Increased occurrence of flooding	Is the project site located in an area identified by MGB/PAG-ASA as flood prone? ☐ Yes ☐ No	☐ Use appropriate design for project facilities including appropriate drainage mechanism considering the existing local drainage system. ☐ Regularly remove debris and other materials that may obstruct water flow ☐ Use appropriate technology (e.g., raised hand-pumps) to protect drinking water from flood contamination ☐ Others, specify	☑ Regular monitoring for presence/absence of complaints ☑ Regular coordination with concerned agencies ☑ Regular monitoring for increased frequency of flooding ☐ Others, specify	
AIR / NOISE				

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
☐ Impact on air quality ☐ Nuisance due to generation of obnoxious/ unpleasant odor	Distance to nearest community: ☐ 0 to less than 0.5 km ☐ 0.5 to 1 km ☐ More than 1 km Is the wind direction blowing towards the nearest community most of the year? ☐ Yes ☐ No	☐ Properly operate and maintain all emission sources (e.g., vehicles, pumps, generator, etc.) ☐ Install appropriate air pollution control device/s ☐ Strictly enforce good housekeeping practices ☐ Control vehicle speed to lessen suspension of road dust ☐ Conduct water spraying to suppress dust sources and minimize discomfort to nearby residents ☐ Use covered vehicles to deliver materials that may generate dust ☐ Others, specify	☑ Regular monitoring for presence/absence of complaints Regular (ocular) inspection of: ☐ Absence of white or black smoke from vehicles, heavy equipment and generator ☐ Presence of truck cover during deliveries Monitoring of ambient air for the following:	

Parameter	Frequency
☐ PM10	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ TSP	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ NO_2	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ SO_2	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ Trace metals:	☐ Annual ☐ Semi-annual ☐ Quarterly
☐ Others:	☐ Annual ☐ Semi-annual

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures ☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost	Monitoring Parameters/ Implementation	Remarks
			☐ Quarterly	
☐ Nuisance due to noise generation	Distance to nearest community: ☐ 0 to less than 0.5 km ☐ 0.5 to 1 km ☐ More than 1 km	☐ Properly operate and maintain all noise sources (e.g. vehicles, pumps, generator, etc) ☐ Install appropriate noise control device/s (e.g., mufflers, silencer, sound barriers, etc.) ☐ Implement appropriate operating hours ☐ Provide adequate buffer and/or planting of trees ☐ Others, specify	☑ Regularly monitor presence/absence of complaints ☐ Regular monitoring of buffer zones ☐ Quarterly monitoring of noise level ☐ Others, specify	
PEOPLE				
☐ Displacement of residents including indigenous	Size of population of host barangay/s:	☐ Provide relocation/disturbance compensation packages	☑ Regular monitoring for presence/absence of	

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
people in the project site and within its vicinity ☐ Enhanced employment and/or livelihood opportunities ☐ Reduced employment and/or livelihood opportunities ☐ Increased revenues for LGU ☐ Disruption/Competition in delivery of public services (e.g., education, peace and order, etc.) ☐ Enhanced delivery of public services (e.g., education, peace and order, etc.) ☐ Increase in traffic volume and worsening of traffic flow	☐ ≤ 1,000 persons ☐ >1,000 and ≤ 5,000persons ☐ >5,000person ☐ Indigenous People Size: Classification of host barangay: ☐ Urban ☐ Rural Employment/Livelihood Opportunity Rate in the host Municipality: ☐ High ☐ Low Description: Available services within/near the host barangay: ☐ Schools (e.g. elementary, high school, college) ☐ Health facilities (e.g., clinics, hospitals, etc.)	☑ Prioritize local residents for employment ☑ Promptly pay local taxes and other financial obligations ☑ Regular coordination with LGU ☐ Conduct prior consultation and coordination to minimize disruption of daily domestic activities ☐ Ensure participation of IPs in consultations and dialogues & consider IP rights and cultural practices in the provision of relocation/disturbance compensation packages ☐ Provide appropriate traffic/warning signs, lighting, etc ☐ Others, specify	complaints ☑ Regular coordination with LGU ☐ Others, specify	

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		
	☐ Peace and order (e.g., police outpost, Brgy. Tanod, etc.) ☐ Recreation and sports facilities ☐ Others, specify			
☐ Impacts on community health and safety Safety Risks ☐ Fire ☐ Explosion ☐ Release of toxic materials ☐ Structural failure	Source of risks (please specify) ☐ Explosives : ☐ Flammable substances: ☐ Toxic substances: ☐ Others, specify	☑ Regular coordination with LGU ☐ Provide appropriate warning signs, lighting and barricades, whenever practicable ☑ Observe proper housekeeping ☐ Provide on-site medical services for any emergency. ☐ Participate in public awareness programs on health and safety ☐ Implement appropriate safety programs for both community and workers ☑ Strictly comply with fire, safety and similar regulatory requirements ☐ Strictly comply with requirements of RA 6969 ☐ Others, specify	☑ Regular monitoring for presence/absence of complaints ☑ Regular monitoring of buffer zones ☑ Regular coordination with LGU ☑ Regular submission of reports to concerned agency ☐ Others, specify	

Possible Environmental/Social Impacts	Baseline Environment	Preventive/ Mitigating Measures	Monitoring Parameters/ Implementation	Remarks
		☑ Cost of preventive/mitigating as well as monitoring integrated in the construction /operation cost		