REDI II National Fisheries Authority Tilapia Upgrade Project-73748

Site Specific Environment and Social Management Plan

Possible Environmental Impact	Response	Mitigation of Impact
Is the project by virtue of its	Yes	The project must be designed to mitigate against all
location extremely vulnerable to		potential risk. The design must be approved by the
the impacts of climate change		necessary local authorities. Conduct meaningful
and natural disasters?		consultations with the necessary stakeholders to ensure that
		the project design is informed by local knowledge of the
		environment. Conduct strict supervision of the project to
		ensure that the project is constructed according to design.
		Ensure that a maintenance committee is the necessary
		training and equipment provided.
Is the project a livestock	Yes	The project will be implemented in accordance with the
production operation?		JSIF's environmental and social policies and funders
		environmental and social management framework to
		include all applicable Standards. Tertiary level wastewater
		treatment system must be included in the project design if
		trade effluent will be discharged into the environment.
		Ensure that any applicable permit is obtained, and the
		conditions of the permit adhered to. Provisions must be
		made to control odour onsite and pest infestation.
Will the project involve	Yes	The project will be implemented in accordance with the
construction or rehabilitation of		JSIF's environmental and social policies and funders
physical infrastructure?		environmental and social management framework to
		include all applicable Standards. Conduct consultation with
		stakeholders to inform the project design. Ensure that the
		required "No Objection" is obtained from the Municipal
		Corporation.
Is the project area zoned for the	Yes	No issue, PROCEED with project appraisal
intended land use?		
Will the project involve the	Yes	No issue. Conduct training and sensitization sessions with
employment of labourers?		stakeholders regarding employment procedures. Ensure
		that contractors are aware of and comply with labour laws.
		Conduct frequent monitoring and investigation to help
		prevent child labour and/or forced labour. Ensure there is
		gender equity in hiring practice and payment process.
		Report any case of non-compliance with the labour laws.
Will the project produce any	Yes	Ensure cost to mitigate against safety risks is included in
unsafe physical conditions for		project bills of quantity. Conduct regular sensitization of
workers such as poor sanitation,		project workers, contractors, and consultants about safety
excavation, working from height		management onsite. Conduct safety meetings prior to
and working with heavy		starting work. Provide workers with suitable personal
equipment, etc.?		protective equipment and supervise them to ensure that
		they are being used. Inform all workers about hazards
		onsite. Restrict access to the site using hoarding. Barricade
		unsafe locations. Install warning signs to highlight
		excavations. Maintain a well-equipped safety kit onsite.

Will the project because of its	Yes	Design the project to include sustainable water use features,
proposed design and operation		such as rainwater harvesting, low flow faucets and showers
result in excessive consumption		and low flush toilets etc. Recycle wastewater where
of water?		necessary. Provide sensitization training on water
		conservation practices. Establish and train maintenance
		committee.
Will the project because of its	Yes	Design the project to include sustainable energy use
design and operation, result in		features, LED lighting, sensor/motion switches, renewable
excessive use of energy?		energy (wind or solar), and Energy Star appliances. Provide
		sensitization training on energy conservation practices.
		Establish and train maintenance committee.
Will the project involve a sewage	Yes	The project must be designed with a tertiary level sewage
and/or wastewater treatment		treatment system. The necessary permit must be obtained
solution?		from NEPA and checked by the environmental health unit of
		the Ministry of Health and wellness. The treatment system
		must be applicable or fit for purpose for the site. The
		treatment system must be constructed and operated in
		accordance with the conditions of the permit.
Does the project involve the	Yes	Aggregates must be obtained from a reputable source. The
sourcing of aggregate material		supplier must have an updated certification. Aggregates
e.g., sand, limestone and gravel?		must be delivered in colour trucks.
Will the project involve	Yes	Project stakeholders must be sensitized about the
generation of non-hazardous		management of waste onsite. The contractor must provide
waste?		bins/drums for storage of garbage. The garbage should be
		bagged prior to placement in the bins. The bins should
		always be kept closed. The garbage must be bagged prior to
		placement in the bins. Plastics can be separated from the
		regular waste for recycling. Garbage should be disposed of
		at a National Solid waste Management Authority disposal
		facility.
		Construction and Demolition waste should be removed from
		the site as soon as the quantity to fill a truckload is achieved.
		If the C\$D waste is not going to be used onsite, it should be
		disposed of at the quickest time. While onsite, the waste
		must be covered with plastic sheeting when not in use. The
		waste should also be bordered by perimeter berm to
		prevent discharge of sediments. The waste should be stored
		in designated area.
Will the project result in the	Yes	In residential areas where works are being conducted in the
release of dust to the		dry season, exposed areas will be wet often along with
environment?		stockpiles of earth materials, particularly fine particles.
		Haulage vehicles transporting aggregate will be required to
		cover aggregate/particulates during transportation. As it
		relates to workers health and safety, all workers will be
		supplied with dust masks. Water will be applied to the
		source of origin, over demolition materials during
		demolition and loading activities to prevent airborne dust
		particles migrating into the surrounding environment.
Will the project generate noise?	Yes	Blasting should only be conducted by a certified contractor
If so, are there sensitive noise		and all safety requirements, including deployment of
,		blasting mats, inspection of buildings within the designated
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receptors nearby (homes, schools, hospitals)?		blasting radius, before and after blasting. There will be strict supervision to prevent access by unauthorized persons. Provide workers and visitors to the site with safety gear e.g., earmuffs, dust masks, hard hats. Construction work will only be carried out from 8:00 am to 6:00 pm adhere to the JSIF and local regulations. Blasting will only be allowed during
		daylight and residents will be advised prior to when blasting will occur. Appropriately maintained and serviced machinery, with low noise emissions will be used onsite.
Will the project involve hoarding (temporary fencing of project site during construction to reduce unauthorized access)?	Yes	Hoarding will be erected where necessary to reduce access to the site by unauthorized persons. Trees should not be cut to build hoarding; purchase the lumber from a reputable supplier. In cases where an existing cut tree is used as hoarding, the owner of the tree must be compensated in accordance with the JSIF's Environmental and Social Framework.
Will the project create hazardous driving conditions e.g. detours, missing bridges, lack of shoulders on roadways, heavy equipment crossings, piles of stones on roads, etc.?	Yes	Residents Will be informed of project risks. Adequate signage will be implemented to provide direction to the residents. Hazardous locations will be protected with the use of protective barriers. Flagmen will be employed to help direct traffic. The contractor will be required to supply workers PPEs. Training will be conducted for stakeholders.
Were all the necessary stakeholders consulted?	Yes	No issue, PROCEED