



# **Zambia - Southern African Development Community (SADC) Regional Statistics Project P175731**

## **Simple Environmental and Social Management Plan**

**March 2023**

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# SADC-ZamStats-Zambia- Simplified ESMP for Construction and Rehabilitation Activities

## PART 1: GENERAL PROJECT AND SITE INFORMATION

<b>INSTITUTIONAL AND ADMINISTRATIVE</b>				
Pay				
Project Title	: Southern African Development Community Statistical Capacity Support Investment Project (STATCAP 2)			
Scope of the project and activity				
Institutional arrangements (Name and contacts) INSTAT	WB (Project Team Leader)	Project Management	Local peer and/or recipient	
Implementation modalities (Name and contacts)	Backup Monitoring The environmental and social safeguard manager	Supervision of local counterparties	Supervision of the local inspection	Contracting INSTAT
<b>SITE DESCRIPTION</b>				
Site Name				
Describe the location of the site			Attachment 1: Site Map	
Designation of the owner of the land?				
Description of the geographical, physical, biological, geological, hydrographic and socio-economic context				
Locations and distance from sites				

for the supply of materials, especially aggregates, water, stones	
<b>LEGISLATION</b>	
National and local legislation and permits and authorizations that apply to the project activity	
<b>PUBLIC CONSULTATION</b>	
Date and location of the public consultation process	
<b>INSTITUTIONAL CAPACITY-BUILDING</b>	
Will there be capacity building?	

## PART 2: INFORMATION ON SAFEGUARDS

ENVIRONMENTAL AND SOCIAL REVIEW			
	Activity	Status	Actions triggered
Will the site activity include/involve any of the following?	A. Rehabilitation of buildings	Y/N	See Section <b>A</b> below
	B. New construction	Y/N	See Section <b>A</b> below
	C. Individual wastewater treatment system	Y/N	See Section <b>B</b> below
	D. Historic building(s) and districts	Y/N	See section <b>C</b> below
	E. Land acquisition <sup>1</sup>	Y/N	See section <b>D</b> below
	F. Hazardous or toxic materials <sup>2</sup>	Y/N	See section <b>E</b> below.
	G. Impacts on forests and/or protected areas	Y/N	See section <b>F</b> below
	H. Medical waste handling/management	Y/N	See section <b>G</b> below.
	I. Pedestrian traffic and safety	Y/N	See section <b>H</b> below

<sup>1</sup> Land acquisition includes displacement of people, change of livelihoods encroachment on private property is to Purchased / transferred land that affects people who live and/or squat and/or operate a business (kiosks) on the acquired land.

<sup>2</sup> Toxic/hazardous materials include but are not limited to asbestos, toxic paints, harmful solvents, removal of lead paint etc.

### PART 3: MITIGATION MEASURES

ACTIVITY	PARAMETER	MITIGATION CHECKLIST	Comments	Feedback
Terms & Conditions	Notification and safety of workers	(a) Local building and environmental inspection services and communities were informed of upcoming activities	Y/N/NA	
		(b) The public has been informed of the works by appropriate notification in the media and/or on publicly accessible sites (including the site of the works)	Y/N/NA	
		(c) All legally required permits have been acquired for construction and/or rehabilitation	Y/N/NA	
		(d) The Contractor formally agrees that all Work will be performed in a safe and disciplined manner to minimize impacts on nearby residents and the environment.	Y/N/NA	
		(e) Workers' PPE will comply with international good practice (always safety helmets, if necessary masks and safety glasses, safety harnesses and boots)	Y/N/NA	
		(f) Appropriate site signage will inform workers of the main rules and regulations to be followed.	Y/N/NA	
A. General rehabilitation and/or construction activities	Air quality	(a) During interior demolition, debris scraps shall be used above the first floor.	Y/N/NA	
		(b) Demolition debris should be kept in a controlled area and sprayed with water mist to reduce debris dust	Y/N/NA	
		(c) During pneumatic drilling or wall destruction, dust shall be removed by continuous water spraying and/or installation of dust shield enclosures on site.	Y/N/NA	
		(d) The surrounding environment (sidewalks, roads) must be free of debris to minimize dust.	Y/N/NA	

ACTIVITY	PARAMETER	MITIGATION CHECKLIST	Comments	Feedback
		(e) There will be no open burning of building materials/waste on site	Y/N/NA	
		f) There will be no excessive idling of construction vehicles on sites	Y/N/NA	
	Bruit	(a) Construction noise will be limited to the restricted hours agreed in the permit. In case of extreme emergencies, inform local communities of the work schedule if normal working hours are exceeded.	Y/N/NA	
		(b) During operation, the motor covers of generators, air compressors and other motorized mechanical equipment must be closed and the equipment must be placed as far away from residential areas as possible.	Y/N/NA	
	Water quality	(a) The Site will establish appropriate erosion and sediment control measures, such as hay bales and/or silt fencing to prevent sediment from moving away from the Site and causing excessive turbidity in nearby streams and rivers.	Y/N/NA	
	Waste management	(a) Waste collection and disposal routes and sites will be identified for all major types of waste expected from demolition and construction activities.	Y/N/NA	
		(b) Construction and demolition mineral wastes shall be separated from general, organic, liquid and chemical wastes by sorting on site and stored in appropriate containers.	Y/N/NA	
		c) Construction waste will be collected and disposed of appropriately by authorised collectors	Y/N/NA	
		(d) Waste disposal records shall be maintained as evidence of sound management as designed.	Y/N/NA	
		(e) To the extent possible, the Contractor will reuse and recycle appropriate and viable materials (excluding asbestos).	Y/N/NA	
	B. Individual wastewater treatment system	Water quality	(a) The immediate surroundings of sites treatment of sanitary waste and waste water from construction sites (installation or reconstruction) must be approved by local authorities	Y/N/NA

ACTIVITY	PARAMETER	MITIGATION CHECKLIST	Comments	Feedback
		<p>(b) Before discharge to receiving waters, effluent from different wastewater systems must be treated to meet the minimum quality criteria established by the National Guidelines on Effluent Quality and Wastewater Treatment</p> <p>(c) Monitoring of new wastewater treatment systems (before/after) will be carried out</p> <p>(d) Vehicles and construction machinery shall be washed only in designated areas where runoff will not pollute natural surface water bodies.</p>		
<b>C. Historic building(s)</b>	Cultural heritage	<p>(a) If it is a designated historic structure, very close to such a structure or located in a designated historic district, notification must be made and approvals/permits must be obtained from local authorities and all construction activities planned and carried out in accordance with local and national legislation.</p> <p>(b) Ensure that arrangements are in place to ensure that artifacts or other possible "incidental discoveries" encountered during excavation or construction are noted and recorded, that those responsible are contacted, and that work activities are delayed or modified to reflect these findings.</p>	Y/N/NA	
<b>D. Land acquisition</b>	Land acquisition plan/framework	<p>(a) If the expropriation of land was not foreseen but is necessary, or if the loss of access to income of legal or illegal land users was not foreseen but may occur, the Bank Team Leader shall be consulted immediately.</p> <p>(b) The approved land acquisition plan/framework (if required by the project) will be implemented.</p>	Y/N/NA	
<b>E. Toxic materials</b>	Asbestos management	<p>(a) If asbestos is present at the project site, it must be clearly marked as a hazardous material</p> <p>(b) To the extent possible, asbestos shall be appropriately contained and sealed to minimize exposure.</p> <p>(c) Asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust</p> <p>(d) Asbestos will be handled and disposed of by qualified and experienced professionals</p>	Y/N/NA	

ACTIVITY	PARAMETER	MITIGATION CHECKLIST	Comments	Feedback
		(e) If asbestos-containing materials are stored temporarily, the waste shall be securely enclosed in closed enclosures and appropriately marked. Security measures will be taken against unauthorized removal from the site.		
		f) Removed asbestos will not be reused		
	Toxic/hazardous waste management (including electronic waste)	(a) Temporary on-site storage of all hazardous or toxic substances will be in secure containers labelled with details of composition, properties and handling information	Y/N/NA	
	(b) Containers of hazardous substances shall be placed in a leakproof container to prevent spillage and leaching.			
	(c) Wastes shall be stored on an impermeable surface within a structure or transport unit in such a way as to be protected from precipitation.			
	(d) The waste shall be transported by specially approved transporters and disposed of in an approved facility.			
	e) Paints containing toxic ingredients or solvents or lead-based paints will not be used			
	(f) Special case of electronic waste:			
	(i) Consider reusing obsolete equipment and materials where possible.			
	(ii) Where reuse is not possible, a list of wastes to be disposed of (including machinery, equipment) shall be drawn up and reviewed by the project authority.			
	(iii) Electronic waste must not be mixed with other types of waste.			
(iv) The storage facility must be adequately secured and protected from unauthorized entry and theft until it is transported to the registered collection facility.				
(v). Electronic waste should be stored in such a way that it is not exposed to direct sunlight and rain.				



ACTIVITY	PARAMETER	MITIGATION CHECKLIST	Comments	Feedback
		<p>(vi) When handling and storing, special attention shall be paid to appliances containing lead-acid batteries.</p> <p>(vii) Measures shall be taken to prevent electronic waste from entering a landfill.</p>		
<p><b>F.</b> Forests, wetlands and/or protected areas affected</p>	<p>Protection</p>	<p>a) All recognized natural habitats, wetlands and protected areas in the immediate vicinity of the activity will not be damaged or exploited, it will be strictly forbidden for all personnel to hunt, foraging, logging or other harmful activities.</p> <p>(b) A survey and inventory of large trees in the vicinity of the construction activity must be carried out, large trees must be marked and cordoned off with fences, their root system protected and any damage to trees avoided</p> <p>(c) Adjacent wetlands and watercourses must be protected from runoff from construction sites with appropriate erosion and sediment control, including hay bales and silt fencing.</p> <p>(d) There shall be no unauthorized borrow pits, quarries or dumps in adjacent areas, especially not in protected areas.</p>	<p>Y/N/NA</p>	
<p><b>G.</b> Medical waste disposal</p>	<p>Infrastructure for medical waste management</p>	<p>(a) In accordance with national regulations, the contractor shall ensure that newly constructed and/or refurbished health-care facilities have sufficient infrastructure for the handling and disposal of medical waste; This includes, but is not limited to:</p> <p><input type="checkbox"/> Special facilities for separating health-care waste (including soiled "sharp" instruments and human tissues or fluids) from other disposed of; and</p> <p><input type="checkbox"/> Appropriate medical waste storage facilities are in place; and</p> <p><input type="checkbox"/> If the activity includes institutional treatment, availability and operationalization of appropriate disposal options</p>	<p>Y/N/NA</p>	

ACTIVITY	PARAMETER	MITIGATION CHECKLIST	Comments	Feedback
<p><b>H</b> Pedestrian traffic and safety</p>	<p>Direct or indirect hazards to public traffic and pedestrians from construction activities</p>	<p>a) In accordance with national regulations, the contractor will ensure that the construction site is properly secured and that construction-related traffic is regulated. This includes, but is not limited to:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Signage, warning signs, barriers and traffic detours: the site will be clearly visible and the public will be warned of all potential hazards</li> <li><input type="checkbox"/> Implementation of traffic management system and training of staff, in particular for access to the site and heavy traffic in the vicinity of the site. Provision of safe crossings and crossings for pedestrians when construction traffic interferes.</li> <li><input type="checkbox"/> Adapting working hours to local traffic patterns, e.g. avoiding large transport activities during peak hours or livestock travel hours</li> <li><input type="checkbox"/> Active traffic management by trained and visible personnel on site, if necessary for safe and convenient passage for the public.</li> <li><input type="checkbox"/> Existence of safe and continuous access to offices, businesses and residences during renovation activities, if buildings remain open to the public.</li> </ul>	<p>Y/N/NA</p>	

## PART 4: MONITORING PLAN

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<b>Phase</b>	<b>What</b> (Should the parameter to be monitored be monitored?)	<b>Where</b> (Should the parameter to be monitored be monitored?)	<b>Comment</b> (Should the parameter to be monitored be monitored?)	<b>When</b> (Set frequency / or continuous?)	<b>What for</b> (Is the setting monitored?)	<b>Cost</b> (if not included in the project budget)	<b>Who</b> (Is responsible for oversight?)
During the preparation for the activity							
During the implementation of the activity							
During the supervision of the activity							