



ESMP FOR THE PROJECT TO SUPPLY DRINKING WATER AND IMPROVE THE LIVING CONDITIONS, SANITATION, ENERGY AND ENVIRONMENTAL RESOURCES FOR THE PEOPLE OF KIMPANGU, KONGO CENTRAL IN THE DEMOCRATIC REPUBLIC OF CONGO

1. Project Executing Agency

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2. Contractor

ACTION CENTRE FOR THE DEVELOPMENT OF DISADVANTAGED COMMUNITIES (CADECOD/DRC)

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3. Project Location and Description

The indispensability of good water is the most important for good health. Today in the whole world and especially in underdeveloped countries, there are several diseases that are caused by poor water quality. Thus, we are obliged to provide a solution, this is our objective, in all these places where the population is at risk of various diseases caused by poor water quality. Also, what is true, water is a basic element for any development of a nation.

Being at the heart of any development, the locality of KIMPANGU located in the district of MBAZA NGUNGU Province of Kongo Central was our target because the population of this area lacked what is of their exceptional value, pure water.

The environment had no infrastructure for the supply of quality drinking water, which is why, according to the studies conducted; we were obliged through this Project to provide them with quality water via a mini-supply network.

4. Main activities

- Construction of the base and installation of a 20 m³ polyester tank;
- Delivery of inputs and construction of latrines and standpipes on the site;
- Installation of a mini-network for the distribution of drinking water, hygienic latrines and construction of the photovoltaic station;
- Construction of the borehole is carried out on the site with a tube depth of 150 m;
- Awareness-raising carried out with the management team of the agglomeration, CADECOD and NFG;
- Construction of the dry wells and pouring of the 350 kg dose slab of the latrines are carried out and the elevations of the super structure under construction;
- Construction of the protective shelter for the drilling head and the machine room;
- Installation of photovoltaic equipment.

Environmental and Social Management Plan (ESMP)				
Heading	Mitigation, Management and Improvement Measures	Monitoring Measures	Responsible Parties	Monitoring Procedure
A. General Requirements for ESSS Management				
Responsibilities and Obligations	All project stakeholders are aware of and comply with the requirements and the ESMP specifications for ESS must be known by workers, suppliers and contractors. Adaptation of the ESMP to the KIMPANGU project at 100 percent.	Minutes of staff meetings and stakeholders training reports are available, inception training is carried out and recorded. Agreements with contractors and suppliers are signed	MWRE, CADECOD, Workers, Suppliers and Contractors	MWRE supervisory team goes out into the field monthly to examine all these aspects to ensure compliance with all the measures. All workers have been made aware of environmental issues and have integrated them into their daily operations.
	Align this ESMP to the specific project, define the frequency of controls and share it with SADC-GMI. Determine if additional management plans need to be developed.	Completion of the ESMP for the KIMPANGU project	MWRE, CADECOD, Workers, Suppliers and Contractors	The construction of the tower that will house a reservoir is monitored by MWRE on a weekly basis, throughout the drilling period, by the supervision team and internally our team will ensure that the measures proposed in the risk and corrective measures table are strictly applied.
Resources allocated for ESS management	Appointment of ES focal person and determination of requirements and responsibilities (to be deleted) The contractor will provide a relevant on-site point person to liaise with the MWRE Focal person regarding ESMP implementation. This role will be stipulated within the contract as a mandatory requirement.	Final version of the ESMP for the KIMPANGU Project Inform the relevant authorities of the ES focal person	MWRE, CADECOD, Workers, Suppliers and Contractors	SADC-GMI receiving monthly ESMP implementation reports

Reports	Drafting of reports on progress and incidents, observations, near-misses	Final version of the ESMP for the KIMPANGU Project Report on ESS-related incidents	MWRE, CADECOD, Workers, Suppliers and Contractors	Review once before finalising this ESMP. Monthly review of ESMP Monitoring Reports
Code of Conduct	SADC-GMI Code of Conduct adopted as per subgrants manual to be adhered to Contractor taking into consideration legislation, safety rules, substance abuse, environmental sensitivity, communicable diseases, gender issues (sexual harassment), respect for local beliefs and customs, community interactions etc.	Code of Conduct in place and rules shared with personnel as per SADC-GMI sub grants manual 2022.	MWRE, CADECOD, Workers, Suppliers and Contractors	Training and induction on the SADC-GMI Code of Conduct and worker signage Review of reported punishable or misconduct behaviour Review of grievance records
ESHS Training	Ensure staff induction, training and awareness of the political and administrative authorities, members of the management committee of the sanitary structures constructed, health and safety risks and mitigation measures (including for contractors) according to project scope.	Inspection of workers Activity report and photo video sharing sessions	MWRE, CADECOD, Workers, Suppliers and Contractors	A safety briefing is given during induction to the team on the use of PPE and various measures to be taken assessed by reviewing the training records and recommendations made at each stage

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B. Environmental Protection				
Protection of adjacent areas	Limit excavation activities during periods of heavy rainfall. Use temporary dikes to reduce the risk of sediment, oil or chemical spillage into watercourses. Secure the tower construction site with a fence. Work is suspended in case of bad weather and site conditions are considered before and during excavation.	Video/photos of limitation of the drilling site. During heavy rains, work is suspended.	MWRE, CADECOD, Workers, Suppliers and Contractors	Check the weather forecast. Inspect site conditions before and during excavation.

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B. Environmental Protection				
	Provision of means of protection to avoid or minimise adverse effects on vegetation, soil, groundwater and surface water, biodiversity, natural drainage and water quality in areas within the work site. Implementation of construction methods to minimise impacts as much as possible.	Monitoring checklist: - Wastewater retention basin - Storage tank	MWRE, CADECOD, Workers, Suppliers and Contractors	Daily supervision is provided by the CADECOD (including monitoring of adjacent natural resources).
	Ensure that the site boundaries comply with pre-agreed plans. All construction activities must be conducted within the boundaries.	Marking of the construction site boundaries with hazard tape Informing the immediate community of the construction site boundaries Putting up signage to inform workers and community members	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before work starts. Regular supervision is provided.
	Stay away from surrounding wetlands.	Site inspection	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before work starts. Regular supervision
	Ensure compliance with the minimum distances from permanent watercourses and outside flood zones, sensitive urban services and buildings (health centre, school, water supply for the population) and any dwelling.	Marking of construction site in accordance with given boundaries and use of warning signs	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before work starts. Regular supervision

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B. Environmental Protection				
	After construction work, reshape the land so that it is inherently stable, adequately drained and suited to desired long-term use, and for the natural regeneration of vegetation.	Visual inspection and comparison with adjacent undisturbed areas.	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before and after work
Pollution prevention	Ensure that all work performed minimises the risk of pollution (e.g. liquid waste, air emissions, noise and vibration management, maintenance and selection of vehicles and equipment, storage and handling of fuel, oil and chemicals) throughout the duration of the project.	Ensure that potential pollutants are not stored and handled within 50 m of sensitive receptors (especially watercourses). Ensure that potential pollutants are stored safely, i.e. above the retention basin.	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before work starts
Emissions and dust	Ensure that the contractor's personnel wear appropriate PPE, such as a protective mask. Educate communities to maintain a safe distance.	Inspect the site and workers	MWRE, CADECOD, Workers, Suppliers and Contractors	Visual inspection during regular inspection visits
	Educate drivers to turn off their vehicles when not in use.	Raising awareness and inspecting around the site	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection and review of grievance records
Noise and vibration	Avoid operations such as drilling and vehicle movements at night.	No work is carried out between 6 p.m. and 6 a.m.	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection and review of grievance records

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B. Environmental Protection				
	Place stationary equipment (such as power generators) as far away as possible from nearby dwelling places (e.g. worker rest areas, populated areas, and environmentally sensitive areas). Ensure that noise levels do not exceed 120 dB when using equipment or vehicles.	Verification of the distance to the site. Since the houses are far away, the site has been secured to make less noise during work hours	MWRE, CADECOD, Workers, Suppliers and Contractors	Once before work starts Control noise levels when equipment is in use Review of grievance records
Waste management	Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities. Ensure that the temporary waste storage site is identified. Ensure that temporary waste storage does not obstruct the pathways. Mineral construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers. Regular and effective final waste disposal and collection will be ensured. Records of waste disposal will be maintained. Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos).	Visual inspection. Waste disposal records.	Contractor to implement. Ministry to monitor.	Regular site visits. Regular inspection of the waste disposal records.
Selection of borrow areas, backfill storage	Selection of borrow areas or areas to be excavated, location of backfill stockpiles, and access road, if applicable to the project.	Selected designated areas	MWRE, CADECOD, Workers, Suppliers and Contractors	Once when selecting the site

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B. Environmental Protection				
sites and access road	Locate the disposal site on low-value land.	Selected designated areas	MWRE, CADECOD, Workers, Suppliers and Contractors	Once when selecting the site
Vegetation clearing	Limit vegetation clearing to areas within the site boundaries where it is strictly necessary.	Visual inspection of vegetation clearing	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before work starts. Review of grievance records
	Avoid clearing mature trees and endangered species. In areas where the existence of endangered species is known, an adequate assessment should be carried out to ensure that operations will not have a negative impact on endangered species. Provide adequate mitigation measures to ensure that operations will not negatively impact threatened species. If endangered species are unexpectedly discovered during operations, halt all work and carry out an ad hoc assessment of the areas for endangered species and put in place appropriate mitigation measures.	Visual inspection and comparison of mature trees before and after work	MWRE, CADECOD, Workers, Suppliers and Contractors	Site inspection before work starts. Review of grievance records.

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C. Health and Safety				
Accident Report	Ensure that all health and safety incidents (sightings, accidents, etc.) on the site are recorded and appropriately tracked.	The Health and Safety Incident Notification Protocol is in place in accordance with the World Bank's Grievance Mechanism Procedure and the SADC-GMI Sub-Grant Manual.	MWRE, CADECOD, Workers, Suppliers and Contractors	Check incident/accident records
Personal Protective Equipment (PPE)	Ensure the provision of PPE (helmets, masks, safety glasses, safety boots, etc.) to all workers.	Daily visual inspection	MWRE, CADECOD, Workers, Suppliers and Contractors	Regular PPE checks
First Aid	Ensure that the site has first-aid equipment and trained staff.	First aid is available on site and in sufficient supply.	MWRE, CADECOD, Workers, Suppliers and Contractors	Regular check-ups to ensure the availability of first aid kits
Hygiene, Accommodation and Diet	Ensure that sanitary and hygienic facilities such as toilets and bathrooms are available on site.	Daily visual inspection	MWRE, CADECOD, Workers, Suppliers and Contractors	Campsite inspection before hosting workers.

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D. Workforce and Relations with Local Communities				
Local recruitment	Ensure that local communities are given priority for the provision of services (e.g. the construction sector).	Daily visual and roster inspection	MWRE, CADECOD, Workers, Suppliers and Contractors	Regular visits to check compliance with local recruitment guidelines

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D. Workforce and Relations with Local Communities				
Community interaction	Engage/communicate/inform communities. Ensure consultation with local authorities and communities about construction. Gain local knowledge about chance discoveries and land acquisition issues.	Meeting Minutes Grievance procedure Photos and videos	MWRE, CADECOD, Workers, Suppliers and Contractors	Community Consultation/Meeting Report and Minutes
Community interaction	Engage/ communicate/inform communities. Ensure consultations with the local authorities and communities regarding the drilling. Obtain local knowledge regarding chance finds and land acquisition matters. Maintain a grievance record on site. Maintain a grievance box on site. Initiate an efficient Grievance Mechanism to allow potentially affected individuals to raise their concerns. Inform the communities on the method of submitting grievances: email safeguard@sadc-gmi.org	Minutes of Meetings Grievance Mechanism would be handled through the MWRE, Human resources policy procedures and the SADC GMI procedures. All grievances will be reported accordingly in line with World Bank Procedures. Grievance record on site Submit complains anonymously using grievance box SADC-GMI Sub-Grant Manual Grievances received through email safeguard@sadc-gmi.org	Contractor/ MWRE, CADECOD	Review of grievance register Minutes of consultation meetings
	Engage with the local community and potential affected households to understand their needs and identify the risk of damage to their livelihood basis through the Project (e.g. take of pastureland, lack of access to water).	Minutes of Meetings Grievance Mechanism records	Contractor/ MWRE, CADECOD	Review of grievance register and meeting minutes

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D. Workforce and Relations with Local Communities				
Acquiring and taking possession of land	As much as possible, avoid taking land from formal and informal owners/users. If land grabbing is unavoidable, no forced evictions should take place. Engage with the local community to understand land ownership and use.	Land belonging to the Congolese State made available for the project. Land acquisition will be avoided by installing the works of government land. However, under unlikely extenuating circumstances where land has to be acquired, a signed document, showing voluntary donation of the land to the project, in place	MWRE, CADECOD, Workers, Suppliers and Contractors	Inspection during site selection Review of grievance records