



**Ministry of Water Resources
Development**
Republic of Somaliland



**The Republic of Somaliland
Ministry Of water Resource Development
Groundwater for Resilience Project**

**ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP) FOR THE BOREHOLE
REHABILITATION WORKS**

GURYO-SAMO BOREHOLE REHABILITATION, BURAO DISTRICT, TOGDHEER REGION

FINAL

November 5th, 2024

Introduction

1.1. Scope of the project and activity

The Project Development Objective (PDO) is to *increase the sustainable access and management of groundwater in the Horn of Africa's borderlands*. The project consists of three main components: (1) delivery of inclusive groundwater services to priority areas; (2) generating groundwater information and strengthening regional and national groundwater institutions; and (3) support for project management, knowledge, and operations. Each component is subdivided into sub-components and linked activities. **Project beneficiaries** will be communities that suffer from poor water conditions and that face increasingly future difficult conditions relating to climate change, a rapidly growing population, and increasing conflicts over scarce resources. The total number of beneficiaries in Somaliland is estimated at 50,000. They will include rural communities, livestock owners, women and girl-children, and urban populations.

Somaliland Groundwater for Resilience projects will rehabilitate six strategic borehole. The Guryosamo borehole will be among those for which the project will perform rehabilitation activities. It is necessary to have certain E&S documents in place before starting rehabilitation. To ensure that the borehole is environmentally and socially responsible, a World Bank-approved Environmental and Social Management Plan (ESMP) is required. ESMPs identify and mitigate potential environmental and social risks associated with rehabilitation. Furthermore, this plan is essential for the following reasons:

1. **Identifying and Mitigating Environmental and Social Impacts:** The ESMP helps identify potential environmental and social impacts that the construction may have on its surroundings. While the construction itself may not cause significant issues, there could still be localized impacts such as dust, noise, and vibration affecting nearby areas or sensitive ecosystems. The ESMP ensures that appropriate mitigation measures are in place to minimize any negative effects.
2. **Compliance with World Bank Safeguard Policies:** The World Bank requires projects it funds to adhere to specific safeguard policies aimed at protecting the environment and local communities. The ESMP ensures that the office construction aligns with these policies and standards, making the project eligible for financial support from the World Bank if required.
3. **Worker Safety and Health (OHS):** Construction activities inherently pose health and safety risks to workers. The ESMP helps identify potential Occupational Health and Safety (OHS) risks and establishes measures to safeguard the well-being of workers involved in the project.
4. **Stakeholder Engagement and Transparency:** The ESMP emphasizes stakeholder engagement and communication. It ensures that local communities and relevant stakeholders are informed about the project's potential impacts and have a chance to voice their concerns or grievances. This fosters transparency and builds trust among stakeholders.
5. **Project Success and Sustainability:** Addressing environmental and social considerations through the ESMP contributes to the overall success and sustainability of the project. By minimizing negative impacts and engaging with stakeholders, the project is more likely to progress smoothly, avoiding conflicts and delays that may arise from unaddressed issues.
6. **Legal and Regulatory Compliance:** An ESMP ensures that the project complies with relevant national environmental and social laws and regulations. Non-compliance can lead to legal complications and project disruptions.

7. Long-term Environmental and Social Performance: The ESMP lays the groundwork for ongoing monitoring and reporting on the project's environmental and social performance. This helps in making necessary adjustments and improvements throughout the project's lifecycle.

1.2.Site description

Guryo-samo village is located 10km south of Burco town and hosts a large number of Internally Displaced Persons (IDPs). In 2020, the community successfully drilled a borehole reaching a depth of 373 meters with the help of their diaspora families. The borehole, equipped with a transmission pipeline and necessary infrastructure, currently provides water supply but requires maintenance. As the IDP village has seven sub settlements, the pipeline must be extended to reach the 6th and 7th sub settlements. In the IDP community, fetching water from water points/kiosks is challenging. Hence, the extension of the water supply system will solve some of the challenges. Approximately 10 kilometers away is Burao town, which is the nearest alternative water source. There is a need to replace the installed pump with a higher capacity one in order to resolve this issue. In addition to serving the existing community, the borehole will provide water to several nearby camps within a short distance. As the consecutive droughts hit the Togdheer region in Burao district, a large number of IDP camps have been established here. During the dry season, the borehole also supplies water to Hawd villagers who live near the Ethiopian-Somali border through water trucks.

The Borehole rehabilitation project for Guryo-samo replacement of the existing pump with higher capacity one, extension of the distribution pipe, construction of new water tank and the construction of a new communal water point/kiosk. With this rehabilitation the community will who have not been served will get access of water in their home vicinity while they were travelling up to 1km to transport water by wheelbarrow.

Site GPS and Map.

Latitude	Longitude	Elevation
9.369877	45.521507	1055m



Figure 1: Guryosamo village Map



Figure 2: Guryosamo Borehole Site, Reservoir and Generator room



Figure 3: PIU team making observation on Animal throughs and water Kiosks



Figure 4: Guryosamo village community consultation meeting (PIU team with women group)



PART A: GENERAL PROJECT AND SITE INFORMATION

INSTITUTIONAL & ADMINISTRATIVE			
Country	Somaliland		
Project title	GW4R: Rehabilitation and Upgrading of Guryo-samo Existing Borehole		
Scope of project and activity	<p>Guryo-samo is a village located in Burao District, Togdheer region, Somaliland. It is approximately 18 kilometers from the town of Burao.</p> <p>The Borehole has adequate quantity water yield, but requires some additional infrastructure to meet the demand of the Guryosamo population.</p> <p>The following activities will be carried out in the rehabilitation of this borehole:</p> <ul style="list-style-type: none"> • Replacing submersible pump and riser pipe • Replacement of the electrical cable • Constructing of three new water kiosk for the community • Construction of elevated water tank (30m³). • 1 km Distribution pipelines (from borehole to the new water tank and to the new water kiosks) 		
Institutional arrangements (Name and contacts)	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> <p>Project Management PIU – at Ministry of Water Resource Development</p> <p>Hamse Hussein Adam</p> <p>Ground Water for Resilience Coordinator</p> <p>hamseshan@gmail.com</p> </td> <td style="width: 50%; text-align: center;"> <p>Project Owner</p> <p>Ministry of Water Resource Development</p> <p>Info.mowrd@govsomaliland.org</p> <p>https://mowd.govsomaliland.org/</p> </td> </tr> </table>	<p>Project Management PIU – at Ministry of Water Resource Development</p> <p>Hamse Hussein Adam</p> <p>Ground Water for Resilience Coordinator</p> <p>hamseshan@gmail.com</p>	<p>Project Owner</p> <p>Ministry of Water Resource Development</p> <p>Info.mowrd@govsomaliland.org</p> <p>https://mowd.govsomaliland.org/</p>
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SITE DESCRIPTION			
Name of site	Site Name: Rehabilitation of Guryo-samo Borehole		
Describe site location	<p>GPS location</p> <p>Latitude: 9.369877</p> <p>Longitude: 45.521507</p>		
Attach evidence of government ownership of land or land acquisition process and RAP	The Guryo-samo Borehole located in a public-owned land and the Burao district local government has the all-legal rights for this land. The certificate of the land allocated for the borehole has been obtained during the field mission.		
Has a site been visited by the social specialist to confirm that there will be no physical or economic displacement or disturbance including of squatters or	<p>Yes, The E&S team including the social specialist, environmental specialist, CDD specialist and Social support specialist have visited the site to confirm that there will be no physical or economic displacement or disturbance including of residents or informal traders.</p> <p>The team conducted thorough on-site visits, engaging with the community through consultations and meetings with district administrations. These interactions facilitated a comprehensive understanding of the local context and potential challenges.</p>		

informal traders? (when and conclusion)	As part of the due diligence process, the team obtained a land certificate from the Buroa district. This certificate serves as an official confirmation of land ownership and legal status. The community consultation meeting was held at Guryosamo village on December 5 th , 2023.
Description of geographic, physical, biological, geological, hydrographic and socio-economic context	<p>Guryo-samo village is under Togdheer Region, Somaliland, specifically to the South of Buroa town. It is characterized by a flat landscape.</p> <p>The climate in Guryosamo, where the borehole is located, is semi-arid, experiencing an estimated average temperature of 23°C with an annual precipitation ranging between 200 - 3000mm. This region is prone to recurrent droughts, aligning with the criteria for selection in the GW4R project of borehole rehabilitation.</p> <p>In terms of hydrography, the Guryo-samo Borehole is situated in the Togdheer/Nugal drainage basin, lacking perennial streams in the area. Understanding this hydrographic context is essential for the success of the rehabilitation project.</p> <p>Socio-economically, Guryo-samo, relies on small trade activities and pastoralism. The project planning should take into account factors such as population density, local livelihoods, economic activities, and infrastructure availability. These aspects play a crucial role in determining the feasibility and potential impact of the borehole rehabilitation on the community.</p>
Locations and distance for material sourcing, especially aggregates, water, stones?	Distance for Material Sourcing: The distance to obtain construction material, especially aggregate, water and stones depends on the specific location of the project and the availability of these resources in the immediate vicinity. The project should aim to source materials as locally as possible to reduce transport costs and environmental impact. In the case of Guryosamo, the water for construction will be sourced from the Guryosamo borehole in the same area and the construction material will be sourced from the nearby vendors at Buroa town about 18km from the site.
LEGISLATION	
Identify national & local legislation & permits that apply to project activity	<ul style="list-style-type: none"> • Somaliland Constitution • The Somaliland Environmental Management Law No.79/2018 • Somaliland National Employment Policy • Environmental Management Policy 2015. • Somaliland national water act No.49/2010 amended 2011 • Somaliland Private sector employment law No. 31/2020. • Somaliland Land tenure policy (Draft). • Somaliland Environmental impact assessment guideline • Somaliland Internal Displacement Policy 2015
PUBLIC CONSULTATION	
When / where did the public consultation process take place (attach minutes describing how many people attended, what was discussed (including plans and potential social and economic impacts, GM and GBV) and categories	On December 5, 2023, a community consultation took place in Guroosamo village, facilitated by the village head. The session, held at the village, saw participation from various groups, totaling 36 community members, including 14 women, 5 from the minority, 7 from the youth group, and 10 elders. The consultation was organized by the PIU team, and the village head played a key role in guiding the discussions and interactions during the session. The session involved an informative presentation on the project's scope, duration, and benefits, emphasizing community cooperation in minimizing adverse impacts. Active community engagement allowed participants to voice concerns and propose suggestions, ensuring that the rehabilitation aligns with the needs and values of Guryo-samo residents. Project PIU team presented comprehensive mitigation strategies to address raised concerns, emphasizing environmental protection, minimizing disruptions, and enhancing community well-being.

and photos of the meeting)	This collaborative dialogue sets the stage for an effective and sustainable borehole rehabilitation process that considers the diverse perspectives within the community. The community raised their concerns of the water shortage in some sub settlement. Communities living the western part of the IDP complained about the water shortage and distance they walk to fetch water. They fetch water up to 1km by using wheelbarrow and Jerikans (Jerry can).	
E&S MAANAGMENT		
Who will orient and monitor E&S requirements of the project?	The project E&S unit together with the coordinator and monitoring and evaluation specialist will orient & monitor the E&S requirements of the project.	
Who will be the onsite focal point for grievances with the contractor?	The contractor will have his own grievance focal point who will be closely working with the GW4R project grievance focal person.	Grievance focal point for the PIU team is: Ramla Ali Ismail ramla77700@gmail.com
Will GM, GBV and Code of conduct posters be provided before works start?	Yes, GM, GBV and Code of conduct posters will be provided before work start.	
When with the contractor be oriented on the GEMS form for monthly submission	Before the rehabilitation activity start or during the induction training for E &S Instruments.	

Associated Project Activity office	E&S Risks and Impact	Mitigation Measures	Responsibility for implementation	Timing for mitigation	Monitoring Indicators	Mitigation Budget	Monitoring Responsibility	Monitoring Frequency
ESS 1: Environmental and Social Assessments								
ESS1	Disturbing on grazing land by vehicle movement	Limit the vehicle movement and equipment. Use the appropriate roads and not create irregular paths during the rehabilitation	Contractor	During the implementation	No additional roads created during the rehabilitation works	No additional costs	Contractor	Weekly
	Groundwater contamination	Proper dumping of wastes The construction of any pit latrine should be sited properly and lined to avoid any potential contamination	Contractor	During construction and operation	Record of appropriate measures taken	No additional costs	PIU	Monthly
	Social conflict and resolutions	This issue can be addressed through increased awareness and adherence to the measures outlined in the Memorandum of Understanding (MoU) between the community and the Project Implementation Unit (PIU). Additionally, complying with both local laws and customary regulations will play a crucial role in resolving conflicts.	VDC & PIU	Before construction begins	Number of conflict incidents	\$1000	Contractor/PIU	Weekly
ESS 2: Labor and Working Conditions								
ESS2	Security risk for Project Workers	<ul style="list-style-type: none"> Implement and monitor site-specific Security Management Plan (SecMP) 	Contractor/ PIU	During implementation	Number of security cases reported	Cost for implementation of SecMP	Contractor/PIU	Weekly
	Risks of child and forced labour	<ul style="list-style-type: none"> Ensure that labour for the project will be sourced and managed responsibly including the set-up of a workers' GRM. This includes strict age verification, fair employment practices, monitoring and reporting mechanisms, 	PIU site supervisor	During implementation	<ul style="list-style-type: none"> Labor register showing age and sex of persons engaged Worker's GRM in place 	TBD	PIU	Weekly

Associated Project Activity office	E&S Risks and Impact	Mitigation Measures	Responsibility for implementation	Timing for mitigation	Monitoring Indicators	Mitigation Budget	Monitoring Responsibility	Monitoring Frequency
		training and compliance with labour laws.						
	Lack of occupational health and safety (OHS) for workers deployed at construction sites	<ul style="list-style-type: none"> • Provide necessary personal protective equipment (PPE) to all field officers as necessary • Provide OHS training/ Orientation for all the workers and visitors as well. • Make reminders & pictorial illustration to use PPE • Training on use of PPE • Implement procedure of dealing with accidents and exposures • List of hours worked, recordable incidents and corresponding Root Cause Analysis • Follow WBG environmental Health and Safety guidelines • Proper maintenance of PPE, including cleaning when dirty and replacement when damaged or worn out. • Implement and monitor LMP in accordance to national law and international standards • Comply with Somaliland OHS related laws and procedures. 	Contractor	During implementation	<ul style="list-style-type: none"> • PPE provided • Training held • Incidents recorded • Lists of dates, number of trainees, and topics available 	TBD	PIU	Daily by the contractor site supervisor/ periodic visits from PIU
	Delayed payment of workers or community workers leading to complaints and conflict	<ul style="list-style-type: none"> • Implement and monitor payment of workers • Communication/awareness campaign of payment mechanisms • Disseminate and orient the rights of workers in understandable local language. 	Contractor/ PIU	During implementation	Record of appropriate measures taken	No additional costs	PIU	As and when occurs

Associated Project Activity office	E&S Risks and Impact	Mitigation Measures	Responsibility for implementation	Timing for mitigation	Monitoring Indicators	Mitigation Budget	Monitoring Responsibility	Monitoring Frequency
		<ul style="list-style-type: none"> Make sure to comply with Somaliland employment laws and procedures. 						
	Poor working conditions: unsafe work environment due to large workforce	<ul style="list-style-type: none"> Conduct safety risk assessment of work site/ sub-project and provide safety talks Implement and monitor the LMP Comply with Somaliland employment laws and procedures 	Contractor site supervisor/ PIU site supervisor	Before and during implementation	<ul style="list-style-type: none"> A record of Safety Risk Assessment Reports A record of safety talks conducted – as part of the OHS Plan PPE provided Lost time incidents or near miss incidents recorded Training provided on OHS 	No additional costs	PIU	Weekly
	Activity includes a construction component with a work force less than 100 workers per site. Labor standards are not in accordance with national laws and international standards	Implement and monitor the LMP	PIU site supervisor	During implementation	Audit report available	No additional cost	PIU	Monthly
	Lack of proper grievances channels	All workers have access to an impartial and functional grievance mechanism and there is an appeals process	Contractor/ PIU	During implementation	GEM E&S monitoring form is filled every month	No additional cost	PIU	Monthly
		All workers sign a code of conduct including responsibilities and rights regarding GBV, Grievances, observing OHS and security protocols etc.	Contractor	Before implementation	Proper records of all signed forms	No additional costs, posters will be provided by the project	PIU	Periodically

Associated Project Activity office	E&S Risks and Impact	Mitigation Measures	Responsibility for implementation	Timing for mitigation	Monitoring Indicators	Mitigation Budget	Monitoring Responsibility	Monitoring Frequency
ESS 3: Resource Efficiency and Pollution Prevention Management								
ESS3	Generation of solid waste	<ul style="list-style-type: none"> • Appropriate designated areas for disposal of solid waste shall be identified consistent with the local and international requirements • Implement solid waste management plan for construction and demolition waste 	Contractor	During implementation	Record of actual sites	No additional cost	PIU	Monthly
	Generation of dust and noise Increased levels of vibration from construction machinery Project to produce air pollution	<ul style="list-style-type: none"> • Resource efficiency pollution control measures will be analysed and incorporated. • Selecting equipment with lower noise emissions • Routine maintenance of the vehicles to reduce noise and air pollution • Installing suitable mufflers on engine exhausts and compressor components • Installing acoustic enclosures for equipment casing • Planning activities in consultation with local communities so that activities with the greatest potential to generate noise are planned during periods of the day that will result in least disturbance • Provisional and use of appropriate PPE 	Contractor	During implementation	<ul style="list-style-type: none"> • Number of sound machinery and equipment • Frequency of watering of surfaces to reduce dust related • Frequency & maintenance plan 	No additional cost	PIU	Weekly
	Decreased air quality	<ul style="list-style-type: none"> • Proposed investments should require that construction contractors operate only well maintained engines, vehicles, trucks and equipment. 	Contractor	During implementation	Proper record of vehicles, engines and equipment should be in place.	No additional cost	<ul style="list-style-type: none"> • Contractor • Project Engineer 	Monthly

Associated Project Activity office	E&S Risks and Impact	Mitigation Measures	Responsibility for implementation	Timing for mitigation	Monitoring Indicators	Mitigation Budget	Monitoring Responsibility	Monitoring Frequency
	Exposure of risk of communicable diseases	<ul style="list-style-type: none"> • Proper use & regular cleaning of the pit latrines • Limit the open defecation in the borehole area. • Awareness raising & promotion of hygiene practices in the community 	Contractor/ VDC	During implementation	<ul style="list-style-type: none"> • Records to shows the awareness raising and sanitation, hygiene promotion 	TBD	PIU	Whenever there is work onsite
	Debris scratching from an old plastering that may impact a safety hazard for the community	Implement and monitor waste management procedures based on World Bank Group Environmental, Health, and Safety General Guidelines. This would include sorting and segregating, proper handling and disposal, and health and safety measures	Contractor	During implementation	<ul style="list-style-type: none"> • Waste management procedure in place • Records of amount of waste disposed available 	No additional cost	PIU	Weekly
	Heat related illness	Limit the direct sun exposure during the mid time Advice the community members to stay hydrated	PIU	During the summer months	<ul style="list-style-type: none"> • Awareness raising records 	No additional costs	PIU	Whenever necessary
ESS 5: Land Acquisition, Restrictions on Land Use and Involuntary Resettlement								
ESS5	Delay of land acquisition process & registration	Consult the community early and engage the local authorities.	PIU	Before construction starts	Land right ownership certificate	No additional budget is required.	PIU	Whenever necessary

Associated Project Activity office	E&S Risks and Impact	Mitigation Measures	Responsibility for implementation	Timing for mitigation	Monitoring Indicators	Mitigation Budget	Monitoring Responsibility	Monitoring Frequency
ESS 10: Stakeholder Engagement and Information Disclosure								
ESS10	Inadequate, ineffective, and inappropriate stakeholder and community engagements and disclosure of information can lead to the exclusion of truly vulnerable, marginalized and minority members of the community from project benefits, amplified by the context of limited resources against widespread need	<ul style="list-style-type: none"> Implementation and monitoring of SEP Conduct additional community consultations as necessary 	PIU	Before Implementation	Audit report against SEP implementation to show compliance levels	No additional cost	PIU	Monthly
	Poor access to beneficiaries leads to less meaningful community engagements and difficulty in monitoring for social harm	Implementation and monitoring of GRM	Contractor /PIU	Prior to and during implementation	Number of GRM cases addressed	No additional cost	PIU	Weekly

Annex 1: Community consultation meeting - Attendance sheet



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Groundwater for
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Somaliland Component



COMMUNITY ENGAGEMENT MEETING

Venue:

Guigo-Samo Village

Date: 05/12/2023

SN	Name	Gender	Institution & Role	Tel.	Signature
1	Mustafe Hassan Dhimbil	male	Elders Group	063-7930603	
2	Abdi Ibrahim Hassan	male	Elders Group	063-307631	
3	Rooble Khader Sool	male	Elders Group	063-	
4	Ahmed Nur Muhumed	male	Elders Group	063-7929607	
5	Abdirashid Yousuf Ahmed	Male	Elders Group	063-4075674	
6	Abdillahi Hassan Guleid	male	Elders Group	063-6672722	
7	Abdinasir ALI Dirige	male	Elders Group	063-4069535	
8	Jama Farah Yousuf	male	Elders Group	063-6449292	
9	Abdillahi Ali Geele	male	Elders Group	063-3251324	
10	Dahir Ahmed Dirir	male	Elders Group	063-307163	



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11	Khader Saleeban Ali	male	youth group	063-4199801	A
12	Mahamed Hassan Hussein	male	youth group	063-4273140	✓
13	Det Abdi Gabadhe	male	youth group	063-4849683	N
14	mahamed Mahamut Abdillahi	male	youth group	063-	M
15	Ahmed Saleeban Dirir	male	youth group	063-4510664	✓
16	yousuf Mahamed Abdi	male	youth group	063-6163037	hm
17	Said Abdi Farah	male	youth group	063-3046083	✓
18	Asma Ahmed Saleeban	female	women's group	063-4273140	JS
19	Shu'ri sool Ali	female	women's group	063-4849683	am
20	Ifrah Jama Ali	female	women's group	063-7208335	M
21	fawzia Handule Elmi	female	women's group	063-4271476	✓
22	Ubah Abdulkadir Eidid	female	women's group	063-6038746	✓
23	Safiya mahamed osman	female	Minority group	063-7299468	h
24	Ayan mahamed Hassan	female	Minority group	063-3132631	S



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26	Haweeyga	Abdillahi	Alin	Female	women's Group	063-6273630	H
27	Kaden	mahamud	omer	Female	women's Group	063-4895940	Km
28	Shamsa	Hassan	Farah	Female	women's group	063-4825445	Sh
29	Kaden	Hassan	Ismail	female	women's Group	063-4391485	KS
30	Osob	Ismail	Hasan	female	Minority group	063-4234528	Just
31	Saafi	filanwaq	Raage	female	minority group	063-4391388	J
32	Sagal	mohamed	Saciid	female	minority group	063-3317083	N
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