



**REPUBLIC OF KENYA  
MINISTRY OF DEVOLUTION AND ASALs  
STATE DEPARTMENT FOR DEVELOPMENT OF THE ASALs**

**Kenya Development Response to Displacement Impact Project  
(KDRDIP)**

**ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR THE  
CONSTRUCTION OF ONE (1) TWIN LATRINE AT TAQSIILE BOREHOLE,  
MACHEZA LOCATION, LAGHBOGOL SOUTH WARD IN WAJIR SOUTH SUB-  
COUNTY.**



**Government of Kenya**



**THE WORLD BANK**

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## **1.0 Introduction**

This ESMP instrument summarizes the potential impacts of the proposed sub-project, mitigation measures, and responsibility of the various actors, time-frames and estimated cost of remedial actions. This tool will be used to integrate environmental and social management strategies in the entire life cycle of the project.

## **2.0 General project and site information:**

This water sub-Project is located at Taqsiile borehole, Macheza location in Laghbogol South Ward of Wajir South Sub-County of Wajir. It is part of the many sub-projects being implemented under KDRDIP and is expected to benefit \_\_\_\_\_Number of households living within the location.

The Sub-project will be implemented and managed by the community through the Subproject Specific Community Project management Committee (CPMC).

### **2.1 Name of project site location:**

The subproject is located at Taqsiile borehole, Macheza location in Laghbogol South Ward of Wajir South Sub-County of Wajir.

### **2.2 Scope of project activity:**

The Subproject shall include the Construction of One (1) Segregated twin toilet at Taqsiile borehole, Macheza location in Laghbogol South Ward of Wajir South Sub-County of Wajir.

### **2.3 Statutory requirements (permits to be obtained before construction activities)**

- i) NEMA Approved ESMP -undertaking to be signed by the contractor
- ii) Contractor to be registers with NCA
- iii) Site to be registered with NCA
- iv) Compliance with OSHA Regulations
- v) Compliance with the Local laws
- vi) Compliance with KDRDIP ESMF Requirements

- vii) Compliance with Project World Bank Regulations

### **3.0 Environmental and Social Management Plan (ESMP)**

The objective of the ESMP is to Identify Potential Environment, Social Health and safety impacts that may occur during implementation stage of the project activities, provide implementation and monitoring schedule and ensure compliance with World Bank safeguard policies and Kenyan environmental laws and regulations before and during the implementation of the sub-project.

**Table 1: Environmental and Social Management Plan**

POTENTIAL IMPACT	MITIGATION MEASURES	RESPONSIBILITIES	TIME FRAME	ESTIMATED COST (KSHS)
Debris deposition during actual earth works and construction works	<ul style="list-style-type: none"> <li>• Ensure separation of waste into biodegradable and non-biodegradable</li> <li>• Provide adequate waste collection bins and ensure accurate disposal of waste</li> </ul>	Contractor CPMC	1 Month	5,000
Accidents and other occupational hazards during actual earth works and construction works.	<ul style="list-style-type: none"> <li>• Provide workers with protective Personal equipment</li> <li>• Ensure occupational safety measures are upheld including first aid box</li> <li>• Contractor to ensure abide by or comply with GoK guidelines on prevention of spread of Coronavirus</li> </ul>	Contractor CPMC	Throughout the Rehabilitation period	4,000
Air pollution from fuel emissions hazards during actual earthworks and construction works	<ul style="list-style-type: none"> <li>• Ensure efficiency of excavating</li> </ul>	Contractor CPMC	Throughout the Rehabilitation period	3,000
Possibility of flood water entering the VIP latrines	<ul style="list-style-type: none"> <li>• Ensure proper lining of the pits</li> <li>• Ensure they are elevated to avoid flooding water entering the pits</li> </ul>	Contractor CPMC PIST (Public Health)	Immediately after completion of the project	Included in the BoQ

Possible spread of Coronavirus due to poor sanitation facility and lack of water.	<ul style="list-style-type: none"> <li>• Provide hand washing facilities at the toilets</li> <li>• Educate the beneficiaries on the MOH guidelines on prevention of COVID-19</li> </ul>	Contractor CPMC	Throughout the operation phase	20,000
Possible breakdown of entire system due to poor operation and maintenance	<ul style="list-style-type: none"> <li>• Have a permanent technical team for operation and maintenance aspects</li> </ul>	Contractor CPMC	Throughout the operation phase	10,000
Disruption of water sharing	<ul style="list-style-type: none"> <li>• Carry out decommissioning audit</li> </ul>	CPMC CIPIU	Throughout decommissioning phase	5,000
Lost opportunity for construction workers	<ul style="list-style-type: none"> <li>• Report to necessary authorities on possible users If willing users may continue using</li> </ul>	CPMC CIPIU	Throughout decommissioning phase	-
Public health issues	<ul style="list-style-type: none"> <li>• Carry decommission audit and report to relevant authorities</li> <li>• Secure Cap the pit of the latrine</li> <li>• Identify alternative clear water sources</li> </ul>	CPMC CIPIU	Throughout decommissioning phase	5,000

<p>Socio-Economic</p> <ul style="list-style-type: none"> <li>i) Conflict due to employment of non-locals</li> <li>ii) Exclusion of VMGs</li> <li>iii) Risk of diseases including COVID 19</li> </ul>	<ul style="list-style-type: none"> <li>➤ Give priority to locals when hiring workers for the project or Contracts</li> <li>➤ Ensure gender balance in employment as far as possible.</li> <li>➤ Implement HIV/AIDS and STD awareness and prevention programme for workers and local residents targeting risk groups</li> <li>➤ Ensure Implementation of MOH guidelines on COVID 19</li> <li>➤ CPMC and GRM to handle social conflicts related to the project</li> </ul>	<p>Contractor CPMC</p>	<p>Construction phase</p>	<p>20,000</p>
<p>Public Complaints and grievance redress</p> <ul style="list-style-type: none"> <li>i) Risk of grievances arising from project conception and implementation</li> </ul>	<ul style="list-style-type: none"> <li>➤ Sensitize the community of Grievance redress mechanism</li> <li>➤ Register all complaints on the project</li> <li>➤ Record number of complaints resolved</li> <li>➤ Record the nature of Complaints</li> <li>➤ Reports all complaints to the Grievances committee</li> </ul>	<p>Contractor, CPMC/ VGRC</p>	<p>Throughout the construction phase</p>	<p>10,000</p>
<p>Sexual Exploitation and Abuse (SEA)</p> <ul style="list-style-type: none"> <li>i) Risk of SEA by project site</li> </ul>	<ul style="list-style-type: none"> <li>➤ Sensitize the staff of SEA guidelines and protocols</li> <li>➤ Sensitize community on SEA guideline and protocols</li> </ul>	<p>Contractor, CPMC/ VGRC</p>	<p>Throughout the construction phase</p>	<p>10,000</p>

<p>Contamination of water from leakages</p> <p>ii) Risk of contamination from surrounding contaminating sources</p>	<ul style="list-style-type: none"> <li>➤ Regular monitoring and inspection of lines to identify leakages and damages to pipes and manholes for repair or maintenance.</li> <li>➤ Use of high-quality materials that can withstand High temperature to prevent unnecessary leakages.</li> <li>➤ Clear and unclog blocked lines within the shortest time possible to contain spills</li> <li>➤ Develop a routine inspection maintenance plan on completion with a budget</li> </ul>	<p>Contractor CPMC</p>	<p>Throughout the operation phase</p>	<p>Included in the works</p>
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<p>Public safety, Occupational Safety and Health hazards</p>	<ul style="list-style-type: none"> <li>➤ The contractor shall provide ample warning signs and protection around open excavations, stacks of material, etc. And shall be held liable for all claims as a result of neglect of such precautions and provisions.</li> <li>➤ Ensure workers wear Personal Protective Clothing (PPEs)</li> <li>➤ Restrict and control unauthorized access into sites to prevent accidents and injuries.</li> <li>➤ Train workers on the use of first aid kit</li> <li>➤ Ensure that emergency contact numbers of the police and ambulance are available at the sites.</li> <li>➤ Provide sanitary facilities at construction sites and potable drinking water</li> <li>➤ Report and record health, safety and environmental incidences/accidents as required by law</li> </ul>	<p>Contractor</p>	<p>Throughout the construction phase</p>	<p>20,000</p>
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#### **4.0 Environmental and Social Monitoring Plan**

The CIPIU has set up regular monitoring programme to assess the ambient levels of parameters of the environment and social aspects as stipulated under EMCA, 1999.

The Environmental and Social Monitoring will serve the following functions: -

- i) To ensure that the environmental and social mitigation measures proposed in the ESMP report are effectively implemented by the contractor in compliance to environmental provisions and standard specifications
- ii) To evaluate the effectiveness of environmental and social remedial measures as well as various evaluation techniques and procedures
- iii) To facilitate development of responses to new and developing issues of concern.

There will be continuous monitoring and reporting on the project activities to ensure that the environmental and social management plan (ESMP) is implemented and that its objectives are achieved. The implementing staff and the community Project Management Committee should ensure that the mitigation measures are implemented as outlined in the ESMP.

**Table 2. Environmental and Social Safeguards Monitoring Plan**

sub-Project Phase	Parameter monitored	Where is Parameter monitored	How parameters will be monitored	Frequency	Responsible persons
<b>Activity Preparation</b>	<ul style="list-style-type: none"> <li>➤ Awareness creation on GRM</li> <li>➤ Acquisition of permits</li> </ul>	Sub-Project site	<ul style="list-style-type: none"> <li>➤ Site take over minutes</li> <li>➤ Statutory permits</li> <li>➤ Site visits</li> <li>➤ Site readiness report</li> <li>➤ Employment of site safety officer</li> <li>➤ Report on employment of staff segregated in terms of sex and locality</li> <li>➤ Report on induction of site staff on issues requiring compliance</li> </ul>	Before the start of activities	E&S Safeguards CIPIU, Contractor, CPMC
<b>Public complaints/grievances</b>	Compliance with KDRDIP GRM guidelines	Sub-Project site	<ul style="list-style-type: none"> <li>➤ Report on awareness creation on KDRDIP GRM guidelines and charter</li> <li>➤ Number of complaints registered</li> <li>➤ Number of complaints solve</li> </ul>	Every two weeks	CF, VGRC, E&S Safeguards officers -CIPIU

			➤ Nature of Complaints		
<b>SEA</b>	Compliance with KDRIP SEA Guidelines	Sub-project Site	<ul style="list-style-type: none"> <li>Report on awareness creation on KDRDIP SEA guidelines and protocol</li> </ul>	Monthly	CF, E&S Safeguards officers -CIPIU
<b>Activity Implementation</b>	<ul style="list-style-type: none"> <li>Compliance with OSHA</li> <li>Compliance with ESMP</li> <li></li> </ul>	Sub-Project Site	<ul style="list-style-type: none"> <li>OSHA Compliance reports</li> <li>ESMP Implementation Compliance Report</li> <li>Compliance Meeting minutes</li> <li>Orientation reports on safety of staff</li> <li>Mitigation strategies on risks identifies in ESMP</li> <li>Monthly reports on occurrences of incidents and accidents</li> <li>Report on mitigation measures against repeat occurrences</li> </ul>	At commencement and status report on each Every two weeks	Contractor, CPMC, E&S Safeguards officers CIPIU
<b>Activity Completion</b>	<ul style="list-style-type: none"> <li>Compliance with OSHA</li> <li>Compliance with ESMP</li> </ul>	sub-Project Site	<ul style="list-style-type: none"> <li>OSHA Compliance completion report</li> <li>Final ESMP Implementation</li> </ul>	At sub-Project Completions	Contractor, CPMC, E&S Safeguards officers CIPIU

	<ul style="list-style-type: none"><li>•</li><li>•</li></ul>		<p>Compliance Report</p> <ul style="list-style-type: none"><li>• Site handover</li><li>• Meeting minutes</li><li>• Final report on occurrences of incidents and accidents</li><li>• Issuance of E&amp; Compliance Certificate</li></ul>		
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## 5.0 Annex: Project Site photos

**Prepared by: Environmental Safeguard Specialist;**

Name: .....

Position .....

Date .....

Signature.....

**Prepared by: Social Safeguard Specialist;**

Name:.....

Position .....

Date .....

Signature.....

***Reviewed and approved by: NEMA County Director***

Name: .....

Position .....

Date .....

Signature.....

Approved/Not approved

(Tick appropriately)

Stamped

**Contractor Part:**

We will adhere to and implement the safeguards as required for this contract.

Name of contractor: .....

Date: .....

Signature.....

**CPMC Part:**

We will ensure that the safeguards developed for this sub-project are adhered to and implemented.

Name of CPMC Chair: .....

Date: .....

Signature.....

