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Application Reference No. **PR/809**  
Registration No. **0042610**

For Official Use

**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)**

**THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT  
ENVIRONMENT IMPACT ASSESSMENT LICENSE**

This is to certify that the Environmental Impact Assessment Project Report received from  
**MURANG'A SOUTH WATER AND SANITATION COMPANY LIMITED** (Name of individual/firm) of  
**P.O. BOX 87-01034, KANDARA** (Address) submitted to the National Environment Management Authority (NEMA) in accordance with the Environment Impact Assessment and Audit Regulations 2003 regarding **Proposed water supply project**

(title of project) whose objective is to carry on  
**Augmentation of Kinyona water treatment plant and rehabilitation of saba saba urban water supply**  
**Kigumo Sub-County, Murang'a County.**

**At Kinyona in Kigumo Sub-county, Murang'a County.** (briefly describe purpose) located at

(locality and district) has been reviewed and a license is hereby issued for implementation of the project, subject to attached conditions  
**20th Sept 2017**

Dated this..... Day of.....

Signature.....

SEAL

**Director General**  
**The National Environment Management Authority**

**CONDITIONS OF LICENSE**

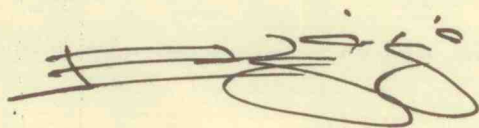
1. This license is valid for a period of **24 months** (time within which the project should commence) from the date hereof.
2. The Director-General shall be notified of any transfer/variation/surrender of this license.

## 1. General Conditions

- 1.1 This approval is for proposed **Augmentation of Kinyona water treatment plant in Kigumo Sub-County, Murang'a County** as indicated in the project report no. **NEMA/PR/5/2/MRG/008/809**
- 1.2 The licence shall be valid for 24 months from the date of issue.
- 1.3 Without prejudice to the other conditions of this licence, the proponent shall implement and maintain an environmental management system, organizational structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of this licence.
- 1.4 The Authority shall take appropriate action against the proponent in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Co-ordination Act, 1999 and regulations thereunder.
- 1.5 This licence shall not be taken as statutory defence against charges of pollution in respect of any manner of pollution not specified herein.
- 1.6 The proponent shall ensure that records on conditions of licenses/approval and project monitoring and evaluation shall be kept on the project site for inspection by NEMA's Environmental Inspectors.
- 1.7 The proponent shall submit an Environmental Audit Report in the first year of occupation/operation/commissioning to confirm the efficacy and adequacy of the Environmental Management Plan.
- 1.8 The proponent shall comply with NEMA's improvement orders throughout the project cycle.
- 1.9 The proponent shall provide the final project accounts (final project costs) on completion of the construction phase. This should be done prior to project commissioning/ operation/ occupation.

## 2. Construction Conditions

- 2.1 The proponent shall put up a project signboard/safety signage as per the Ministry of Works Standards indicating the NEMA license number among other information.
- 2.2 The proponent shall ensure that excavations on site are limited within the sections upon which the intake works shall be constructed.
- 2.3 The proponent shall put in place adequate measures to ensure that the excavated soil is held off from the river's run-off.
- 2.4 The proponent shall ensure that all excavated material and debris is collected, re used and where need be disposed of as per the Environmental Management and Coordination (Waste Management) Regulations 2006.
- 2.5 The proponent shall ensure strict adherence to the provisions of Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations 2009.
- 2.6 The proponent shall ensure strict adherence to the Occupational Safety and Health Act (OSHA), 2007.
- 2.7 The proponent shall ensure that construction workers are provided with adequate personal protection equipment (PPE), as well as adequate training.
- 2.8 The proponent shall ensure that adequate and appropriate and appropriate sanitary facilities are provided for the workers and that proper decommissioning of the facilities is carried out once construction is complete.

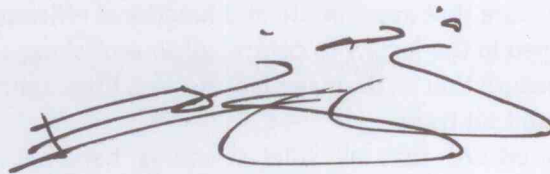


- 4.1 The proponent shall seek written approval from the Authority for any operational changes under this license.
- 4.2 The proponent shall ensure that the Authority is notified of any malfunction of any system within 12 hrs. On the NEMA hotline 020 6006041 and mitigation measures put in place.
- 4.3 The proponent shall keep records of all pollution incidences & notify the Authority within 24 hrs.
- 4.4 The proponent shall notify the Authority of its intent to decommission three months in advance in writing.

5. **Decommissioning Conditions**

- 5.1 The proponent shall ensure that a decommissioning plan is submitted to the Authority for approval at least three (3) months prior to decommissioning
- 5.2 The proponent shall ensure that all pollutants and polluted material is contained and adequate mitigation measures provided during the phase.

The above conditions will ensure environmentally sustainable development and must be complied with.

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- 2.9 The proponent shall ensure that construction activities are undertaken during the day (and not at night) - between 08.00 hrs and 17.00 hrs; and that transportation of construction materials to and from site are undertaken during weekdays (and not weekends) off peak hours.
- 2.10 The proponent shall ensure strict adherence to the Environmental Management Plan developed throughout the project cycle.
- 2.11 The proponent shall collaborate with the EIA Expert(s) and the contractor(s) to ensure that proposed mitigation measures are adhered to during the construction phase and where necessary appropriate mending-up activities undertaken and a report of the same submitted to NEMA. Emphasis must be given to control of dust, noise, vibrations, occupational hazards and provision of sanitary accommodation for construction workforce.
- 2.12 The proponent shall ensure the facility has provision for emergency preparedness and response in case of any emergencies
- 2.13 The proponent shall construct the water intake works as per the designs duly approved by the Director of Irrigation.
- 2.14 The proponent shall ensure re-planting of destroyed trees and revegetation in cleared areas where works are complete as guided by Kenya Forest Service.
- 2.15 The proponent shall ensure that the Program of Works should be prepared in line with the region's weather pattern so as to avoid such works during rainy seasons.

### 3. Operational Conditions

- 3.1 The proponent shall ensure that all waste water is disposed as per the standards set out in the Environmental Management and Coordination (Water Quality) Regulations 2006.
- 3.2 The proponent shall ensure that all equipment used are well maintained in accordance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution Control) Regulations 2009.
- 3.3 The proponent shall ensure that appropriate and functional efficient Air Pollution Control mechanisms are installed in the facility to control all air emissions
- 3.4 The proponent shall ensure that all drainage facilities are fitted with adequate functional Oil Water Separators and silt traps
- 3.5 The proponent shall ensure that all solid waste is handled in accordance with the Environmental Management and Coordination (Waste Management) Regulations 2006.
- 3.6 The proponent shall ensure that all workers are well protected trained as per the OSHA, 2007.
- 3.7 The proponent shall comply with the relevant principal laws, by-laws and guidelines issued for development of such a project within the jurisdiction of Murang'a County Government, Ministry of Water and Irrigation, Ministry of Public Health and Sanitation, Directorate of Occupational Safety and Health Services and other relevant Authorities
- 3.8 The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as solid waste management plans, liquid waste management plan, storm water drains, functional landscaping and tree planting scheme, installation of water and energy saving fixtures, are designed, constructed and employed simultaneously with the proposed project.

### 4. Notification Conditions

