



EIA 23063540

nema
Mazingira Yetu | Uhal Wetu | Wajibu Wetu

**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY(NEMA)
THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT
ENVIRONMENTAL IMPACT ASSESSMENT LICENSE**

License No: **NEMA/EIA/PSL/32412**

Applicaton Ref No: **NEMA/EIA/PSR/50752**

This is to certify that the Environmental Impact Assessment Project Report received from
ATHI WATER WORKS DEVELOPMENT AGENCY

of
P.O. BOX 45283-00100, NAIROBI KENYA

submitted to the National Environment Management Authority in accordance with the
Environmental Impact Assessment & Audit Regulations, 2003 regarding the:
**Proposed Murang'a Water Supply Project comprising of Thithi Githingiri, Chathanda -Keno
and Tuthu Water Supply systems.**

whose objective is to carry on
**Construction of Thithi Githingiri water intake, rehabilitation of Chathanda -Kenol intake,
Construction of water treatment works and distribution works for the three supply system
(Details overleaf)**

located at
**Gatanga, Chomo, Kimorori, Kagaa, Kagundu-ini, Kangari, Muguru, Koimbi, Weithaga,
Gatheru, kahuro, and Kahatia in Murang'a County.**

has been reviewed and a license is hereby issued for the implementation of the project,
subject to attached conditions.



Issue Date:
17/05/2024

Signature
(Seal)

P.T.O.



ISO 9001 : 2015 Certified

 Director-General
The National Environment
Management Authority 

1. General Conditions

1.1 This approval is for the **proposed Murang'a Water Supply Project in MURANG'A COUNTY** as per the project report **NEMA/CPR/MRG/PR/5/2/2261 (Online 50752)**, comprising of the following components and activities;

I. Gatanga Water And Sanitation Company (GATAWASCO)- Thithi-Githingiri Water Supply System;

- Construction of 4000m³/day intake
- 0.3 km water mains (OD 315mm)
- Water treatment works 4000m³/day
- OD 280-225mm 10.5km transmission mains
- OD 225 mm 6.5km transmission mains
- OD 160 mm 12km transmission mains
- 2500m³ Kiawahiga tank

II. Muranga South Water and Sanitation Company (MUSWASCO)- Chathanda - Kenol Water Supply System;

- Rehabilitation of the existing intake
- Rehabilitation of Raw Main 10.5km
- Construction of 4000m³/day Treatment works
- Extension of OD 200 pipeline 4km
- Construction of tank 250m³ at Mutheru
- Construction of tank 1000m³ at t/works

III. Murang'a West Water and Sanitation Company (MWEWASCO)- Upgrading of Tuthu Water Supply system;

- 3.2500m³ tank at Kanyenyaini sec
- 4.2000m³ tank at kawariua
- 5.2km OD 225 mm pipeline replacement

1.2 The license shall be valid for 24 months from the date of issue.

1.3 The Director General shall be notified of any transfer, variation, or surrender of this License.

1.4 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.

1.5 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.

1.6 This licence shall not be taken as statutory defence against charges of pollution in respect of any manner of pollution not specified herein.

- 1.7 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.
- 1.8 The proponent shall comply with NEMA's improvement orders throughout the project cycle.

2. Construction Conditions

- 2.1 The proponent shall put up a project signboard as per the Ministry of Works Standards showing the NEMA EIA license number among other details;
- 2.1 The proponent shall ensure that adequate and appropriate sanitary facilities are provided for the workers and that proper decommissioning of the facilities is carried out once construction is complete;
- 2.3 The proponent shall ensure that the all excavated material and debris is collected, re-used and where need be, disposed off as per the Environmental Management and Coordination (Waste management) Regulations of 2006;
- 2.4 The proponent shall ensure strict adherence to the Environmental Management and Coordination (Noise and Excessive Vibration Pollution Control) Regulations of 2009. Any back-up generator should be operated within permissible noise level limits;
- 2.5 The proponent shall ensure strict adherence to the Occupational Safety and Health Act (OSHA), 2007;
- 2.6 The proponent shall ensure that construction workers are provided with adequate personal protection equipment (PPE), as well as adequate training where necessary for proper execution of the project;
- 2.7 The proponent shall ensure that construction activities are undertaken during the day (and not at night) between 0800hrs and 1700hrs; and that transportation of construction materials to and from site is undertaken during weekdays at off-peak hours;
- 2.8 The proponent shall ensure strict adherence to the Environmental Management Plan developed throughout the project cycle;
- 2.9 The proponent shall ensure that the building plans are approved by all the relevant departments before construction works commence or proceed;
- 2.10 The proponent shall ensure that the development adheres to zoning specifications issued for development of such a project within the jurisdiction

of the County Government of Murang'a, Ministry of Lands and housing with emphasis on approved land use for the area;

- 2.11 The proponent shall ensure that all works and materials used meet the specifications set out in the Building Code particularly with regard to public safety during and after construction;
- 2.12 The proponent shall ensure that the construction works are supervised by qualified/registered and practicing engineers;
- 2.13 The proponent shall ensure full adherence to the provisions of the Environmental Management and Coordination (Water Quality) regulations, 2006 particularly with regard to the set standards for riparian area of minimum 6Mtrs and maximum 30Mtrs where applicable.
- 2.14 The proponent shall ensure way leave consent is granted in areas where the pipes pass through individual land.
- 2.15 The proponent shall conduct a Hydrological survey report conducted and complied by a registered Water Resource professional
- 2.16 The proponent shall obtain certified design plans and report for each water intake;
- 2.17 **The proponent shall conduct and submit an EIA study report for any water works within the gazette Abadare Forest;**

3.0 Operational Conditions

- 3.1. The proponent shall ensure that the project is approved by the Water Resources Authority as well as any other relevant authority.
- 3.2. 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.
- 3.3. 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 equipment used are well maintained in accordance with the Environmental Management and Coordination (Noise and Excessive Vibration Pollution Control) Regulations 2009.

Abadare

- 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 County Government Of Murang'a and other relevant Authorities
- 3.8. The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as storm drains are designed, constructed and employed simultaneously with the proposed project.
- 3.9. The proponent to establish a Grievance Redress Mechanism for the entire project cycle.
- 3.10. The proponent to obtain clearance from landowners for any way leave while laying pipeline.
- 3.11. The proponent to undertake a separate Environmental Impact Assessment (EIA) for the proposed campsite

4.0 Notification Conditions

- 4.1. The proponent shall ensure that water quality report is produced after construction is complete.
- 4.2. The proponent shall seek written approval from the Authority for any operational changes under this licence.
- 4.3. The proponent shall ensure that the Authority is notified of any malfunction of any system within 12 hrs. on the NEMA hotline 020 606041 and mitigation measures put in place.
- 4.4. The proponent shall keep records of all pollution incidences & notify the Authority within 24 hrs.
- 4.5. The proponent shall notify the Authority of its intent to decommission three months in advance in writing.

[Handwritten signature]

5.0 **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.

Our Environment, Our Life, Our Responsibility

Handwritten signature