



nema HQ: 0005242

**nema**  
mazingira yetu | uhai wetu | wajibu wetu

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

License No: **NEMA/EIA/PSL/10575**

Application Reference No: **NEMA/EIA/PSR/19439**

This is to certify that the Environmental Impact Assessment Project Report received from  
**Kenya Climate Smart Agriculture Project (KCSAP)- Kisumu County**  
**P. O. Box 2738 - Kisumu**

submitted to the National Environment Management Authority in accordance with the  
Environmental Impact Assessment & Audit Regulations, 2003 regarding the:  
**Rehabilitation of Awach Kano Irrigation Scheme, East Kano/ Wawidhi, Nyando subcou...**


whose objective is to carry on  
rehabilitate and expand the existing community irrigation project for increased  
agricultural productivity and climate change mitigation and adaptation  
located at  
**East Kano/Wawidhi Ward of Nyando subcounty, Kisumu County.**

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

Issue date : **01 April, 2021**

  
Signature

(seal)

 Director-General  
The National Environment  
Management Authority.

Cancel

P.T.O.



ISO 9001:2015 Certified



## **General Conditions**

- 1.1 This project is for **PROPOSED REHABILITATION OF AWACH KANO IRRIGATION SCHEME IN EAST KANO/WAWIDHI WARD,NYANDO SUB COUNTY,KISUMU COUNTY.**
- 1.2 Without prejudice to the other conditions of this license, 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 license.
- 1.3 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 Coordination Act, CAP 387 and regulations there under.
- 1.4 This license shall not be taken as statutory defense against charges of pollution in respect of any manner of pollution not specified herein.
- 1.5 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.
- 1.6 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.
- 1.7 The proponent shall comply with NEMA's improvement orders throughout the project cycle.
- 1.8 The proponent shall provide the final project accounts (final project costs) on completion of construction phase. This should be done prior to project commissioning /operation /occupation.
- 1.9 The proponent shall comply with NEMA's improvement orders throughout the cycle.

## **2. Construction Conditions**

- 2.1 The proponent shall ensure that sensitive environments like fish breeding areas, birds roosting/breeding areas within the project area are protected from any interference
- 2.2 The proponent shall ensure proper management of any process wastes generated to prevent pollution of the lake.
- 2.3 The proponent shall employ integrated pest management(IPM) to ensure that pesticides and other Agro Chemicals used in irrigated areas don't find their way into rivers and finally into the lake
- 2.4 The proponent shall ensure periodic sampling and analysis of water leaving the scheme into the environment to ascertain the quality of discharge water
- 2.5 The proponent shall ensure strict adherence to the provisions of Environmental Management and Coordination (Water quality) Regulations 2006.
- 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), sanitary facilities as well as adequate training.
- 2.8 The proponent shall ensure strict adherence to the Water Act 2002 and its subsidiary legislations.
- 2.9 The proponent shall ensure that activities are undertaken during the day (and not at night) – between 08.00hrs and 17.00hrs; and that transportation of construction materials to and from the 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 ensure that the development adheres to cage culture establishment and operation guidelines for the Lake Victoria as provided for by the East African Community(EAC)
- 2.12 The proponent shall ensure that adequate and appropriate sanitary facilities are provided for the workers during all phases of the project and proper decommissioning of the facilities is carried out once construction is complete.

## **3. Operational conditions**

- 3.1 The proponent shall ensure that sensitive environments like fish breeding areas, birds roosting/breeding areas within the project area are protected from any interference
- 3.2 The proponent shall ensure proper management of any process wastes generated to prevent pollution of the rivers and lake

3.3 The proponent shall employ integrated pest management(IPM) to ensure that pesticides and other Agro Chemicals used in irrigated areas don't find their way into rivers and finally into the lake

**3.4 The proponent shall ensure periodic sampling and analysis of discharge water leaving the scheme into the environment to ascertain the quality of discharge water**

3.5 The proponent shall ensure that all equipment used is well maintained in accordance with the Environmental Management and Coordination and that there is no spillage of oil or pollutants into the lake from any source.

3.6 The proponent shall ensure that all solid waste is handled in accordance with the Environmental Management and Coordination (Waste Management) Regulations 2006.Care should be taken in handling, storage and disposal of hazardous waste or materials.

3.7 The proponent shall ensure that all workers are well protected and trained as per the OSHA, 2007.

3.8 The proponent shall comply with the relevant principal laws, by-laws and guidelines issued for development of such a project within the jurisdiction of City Council of Kisumu, Public Health, occupational safety Act of 2007(OSHA), Fisheries, Kenya Maritime Act etc.

3.9 The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as noise, liquid and solid waste management are installed and used appropriately

**3.10 The proponent shall ensure that any diseases or unusual occurrences(e.g. deaths of aquatic animals) resulting from irrigation activity are reported to relevant Authorities promptly**

**4. Notification conditions**

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 020606041 and mitigation measures put in place.

4.3 The proponent shall keep records of all pollution incidences & notify the Authority within 24hrs

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. The decommissioning shall include appropriate removal and disposal of all cage materials and assessment of the water quality

5.2 The proponent shall ensure that all pollutants are contained and adequate mitigation measures provided during the phase.







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

License No: **NEMA/EIA/PSL/10430**

Application Reference No: **NEMA/EIA/PSR/18991**

This is to certify that the Environmental Impact Assessment Project Report received from  
**County Government of Kisumu**

**P. O. Box 2738 - 40100, Kisumu**

submitted to the National Environment Management Authority in accordance with the  
Environmental Impact Assessment & Audit Regulations, 2003 regarding the:

**PROPOSED REHABILITATION OF SIANY CC3 IRRIGATION SCHEME & INFRASTRUCTURE  
WORKS IN KABONYO/KANYAGWAL WARD, NYANDO SUB-COUNTY, KISUMU COUNTY**

whose objective is to carry on  
to provide a gravity fed irrigation system which will enhance efficiency of irrigation  
water conveyance for the Siany CC3 irrigation scheme; increase area under irrigation  
and achieve food self-sufficiency and security at the local and national levels

located at

located in Kabonyo/Kanyagwal Ward, Nyando sub County in Kisumu County.

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

Issue date: **26 March, 2021**

  
Signature

(seal)

for

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

Cancel

P.T.O.



ISO 9001:2015 Certified

### **General Conditions**

- 1.1 This project is for **PROPOSED REHABILITATION OF SIANYCC3 IRRIGATION SCHEME&INFRASTRUCTURE, KISUMU COUNTY.**
- 1.2 Without prejudice to the other conditions of this license, 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 license.
- 1.3 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 Coordination Act, CAP 387 and regulations there under.
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*Thomas Njiru*  
26/03/2021

