

Tel: (0322)020052
Email: ashanti.region@epa.gov.gh
Digital Address: AK—237-6700



Environmental Protection Agency
P. O. Box KS 9091
Kumasi, Ashanti

ENVIRONMENTAL PROTECTION AGENCY

Environmental Permit

Permit No. ASHCI00649/22

ENVIRONMENTAL ASSESSMENT REGULATION, 1999 (L.I. 1652)

This is to Certify that

Authorization has been given to

REGIONAL TRANSPORT RESEARCH & EDUCATION CENTRE KUMASI - KNUST

To commence the construction and operation of the proposed 2,543.96m² Development Office Facility as per attached schedule

Located at KNUST Campus in the Oforikrom Municipality of the Ashanti Region

Date Issued: June 13, 2022

Expiry Date: December 12, 2023

SAMUEL OTENG
AG. REGIONAL DIRECTOR, ASHANTI
FOR: EXECUTIVE DIRECTOR

NB: This Permit is only valid with the Seal of the Environmental Protection Agency and conditioned upon obtaining other relevant Permits from relevant institutions (among others)

Tel: (0322) 020052

Email: ashanti.region@epa.gov.gh

GHANA POST (GPS): AK-237-6700



Environmental Protection Agency

P.O. Box KS 9091

Kumasi,

Ashanti Region

SCHEDULE TO THE ENVIRONMENTAL PERMIT

- 1.0 CONTACT PERSON : PROFESSOR CHARLES ANUM ADAMS
(CENTRE DIRECTOR)
- 2.0 COMPANY : REGIONAL TRANSPORT RESEARCH
AND EDUCATION CENTRE, KUMASI
KNUST, PMP – UPO, KUMASI
- 3.0 CONTACT NO. : +233 243 788 289
- 4.0 REGISTRATION NO. : EPA/ASH/CI/0649/22
- 5.0 PERMIT NO. : ASHCI00649/22
- 6.0 REGISTRATION TYPE : NEW APPLICATION
- 7.0 DATE ISSUED (PERMIT) : JUNE 13, 2022
- 8.0 EXPIRY DATE (PERMIT) : DECEMBER 12, 2023
- 9.0 ENVIRONMENTAL ASSESSMENT OF A PROPOSED 2,543.96M²
DEVELOPMENT OFFICE FACILITY LOCATED AT KWAME NKRUMAH
UNIVERSITY OF SCIENCE AND TECHNOLOGY (KNUST) CAMPUS IN THE
OFORIKROM MUNICIPALITY OF THE ASHANTI REGION

In pursuance of the Environmental Protection Agency Act 1994, (Act 490) Sections 2 (i) and 12 (1) and the Environmental Assessment Regulation 1999, L.I. 1652 and on the basis of the information provided in the Environmental Assessment Registration Form (EA1), as well as field assessment conducted by the Agency, this Environmental Permit is issued authorizing **REGIONAL TRANSPORT RESEARCH AND EDUCATION CENTRE KUMASI – KNUST** to commence the construction and operation of the **2,543.96m² Development Office Facility** located at **KNUST Campus** in the **Oforikrom Municipality** upon obtaining Building and Development Permits from the **Oforikrom Municipal Assembly**.

10.0 CONDITIONS OF PERMIT

10.1 Commitment to Project Specifications

- Comply with all relevant project specifications, mitigations, monitoring and other environmental management provisions indicated in the form EA1. The Project involves the construction and operation of a Development Office with the following facilities;
 - 1 Multipurpose Auditorium – 118m²
 - 1 I. C. T Lab – 90m²
 - 2 Server Rooms – 20m²
 - 1 Research Workstation – 86m²

- 1 PhD Research Commons – 52m²
- 6 Offices – 888m²
- 1 Board Room – 41m²
- 2 Lecture Halls – 106m²
- 1 Cafeteria – 20m²
- 6 Washrooms – 96m²
- Car park

10.3 Project Location

- The project is located at **KNUST Campus** in the **Oforikrom Municipality** of the **Ashanti Region**.

10.4 Comply with the following mitigation measures

- Provide adequate litterbins for solid waste collection.
- Provide adequate washroom facilities at the facility.
- Ensure appropriate drainage measures to collect and transport storm water.
- Provide separate entry and exit points to the office.
- All litterbins within and outside the premises of the office facility should always be covered.
- Ensure appropriate landscaping measures.

10.5 Waste Management

- Provide septic tank for liquid waste and litterbins for solid waste collection.
- Plan to install biogas treatment facility for the management of liquid waste in the medium term.
- Comply with the **Oforikrom Municipal Assembly's** bye-laws on sanitation and noise.

10.6 Traffic Management

- Make adequate provisions for parking of vehicles to avoid them from being parked on pavements and access roads.
- The entrance into and exit from site should be separated and illuminated to facilitate easy flow and improve visibility at night.
- Movement of vehicles within the car park should be clearly marked with directional signs and traffic wardens should be employed to control traffic.

10.7 Emergency Preparedness and Response Plan

- Develop and implement an Emergency preparedness and Response Plan before commencement of operations. The plan shall include among others:
 - Contingencies for accidents and electrocution
 - Emergency reporting procedures
 - Contingence on power and water interruptions

10.8 Occupational Health and Safety

Occupational Health and Safety Measures should include among others:

- Environmental awareness training programmes to sensitize workers on the need to follow laid down procedures in the operation of the facilities.
- Provide and enforce the wearing and usage of appropriate personal protective clothing/gear such as gloves, overalls, safety boots, hard hats, nose masks etc. to workers.
- Provide well-stocked first aid kit for minor injuries that might occur.

10.9 Comply with Persons with Disability Act, 2006 Act 715

- Comply with the relevant provisions within the Persons with disability Act 2006, (Act715)
- Provide wheelchair ramps for easy usage of the facility by the physically- challenged.
- Provide lifts/escalators to facilitate easy access to all levels of the facility by the physically challenged.
- Provide/reserve at least one (1) parking space for disabled parking

10.10 Compliance with Environmental Quality Standards

- Comply with the following Ghana Standards for;
- Health Protection – Requirements for Ambient Noise Control (GS 1222, 2018).
- Environment and Health Protection – Requirements for Effluent Discharge (GS 1212, 2019).
- Environment and Health Protection – Requirements for Ambient Air Quality and Point Source/Stack Emissions (GS 1236, 2019).

10.11 Comply with Factories, Offices and Shops Act, 11070

- Comply with the requirements of the Factories, Offices and Shops Act, 11070 (Act 328)
- Consult with the Factories Inspectorate Department in order to satisfy the requirements of the Act and the Department.

10.12 Compliance with Fire Precaution (Premises) Regulations 2003, (LI 1724)

- Provide appropriate fire prevention/fighting equipment on site as recommended by the Ghana National Fire Service.
- Provide appropriate firefighting training for all key personnel.
- Install fire alarm at site.
- Obtain a Fire Certificate from the Ghana National Fire Service.

10.13 Noise and Sanitation

- Comply with EPA Permissible Noise Levels. Ensure that noise levels do not exceed 55dB (A) during the day i.e., 06:00hrs-22:00hrs and 48dB (A) at night between 22:00hrs-06:00hrs for residential areas.
- Comply with existing **Oforikrom Municipal Assembly's** bye-laws on noise and sanitation.

10.14 Landscaping

- Adequate provision should be made for landscaping and beautification in accordance with Section 26(1) of the National Building Regulations, 110106, LI 1630 to enhance the natural landscape of the project area.
- Plant and nurture at least two (2) trees at the project site.

10.15 Notification of Changes

- Notify EPA of any changes in the planned development contrary to project information provided in the Form EA1 including expansion works to the Agency.

10.16 Annual Environmental Report

- Submit **Annual Environmental Report** of the Company's operation after twelve (12) months from the date of issuance of this Permit and there after every 12 months in accordance with Environmental Assessment Regulation 25(1) of LI 1652.

10.17 Other Permits

- Notwithstanding this Permit, the project is further subject to other relevant Regulations and Permits pertaining to the sector and must be observed.

10.18 Validity Period

- This Permit is valid for a period of **Eighteen (18) months** from the **Date Issued - June 13, 2022** and shall **Expire on December 12, 2023**.

10.19 Permit Renewal

- **This Permit shall be renewed upon submission of renewal application to the Agency**
- **Renewal application must be submitted to the Agency three (3) months before the expiration of the Permit.**

10.20 Permit Awareness

- A copy of the Permit shall be displayed prominently at the premises at all time.
- All staff at the offices shall be familiar with the conditions of the Permit.

10.21 Permit Transferability

- This Permit is not transferable. It covers only **REGIONAL TRANSPORT RESEARCH AND EDUCATION CENTRE KUMASI - KNUST's 2,543.96m²** proposed **Development Office Facility** located at **KNUST Campus** in the **Oforikrom Municipality** of the **Ashanti Region**.

10.22 Penalty for Breach of Conditions of Environmental Permit

Provision of false information or failure to comply with or observe any or all the Permit conditions above will:

- Attract administrative penalties as shall be prescribed by the Agency.
- Attract the necessary fines as prescribed under Regulation 26 of the Environmental Assessment Regulations 1101010, LI 1652.
- Render this Environmental permit invalid.
- Lead to the suspension or revocation of this permit

10.23 Revocation, Suspension and Refusal of Permit

The Agency shall revoke or suspend a Permit issued or shall refuse to renew Permit where:

- The Provision and Conditions of the Permit are not being complied with
- The continual operation of the project poses risk to the environment, public health and safety.
- The operation by the proponent have deteriorated below the required standard

11.0
Samuel Oteng
Ag. Regional Director, Ashanti
For: Executive Director

Date Issued: June 13, 2022
Expiry Date: December 12, 2023

12.0 NOTIFICATION

*The Hon. Municipal Chief Executive, Oforikrom Municipal Assembly, Oforikrom
The Executive Director, Environmental Protection Agency, Accra*