



**P.O BOX 7289 KIGALI, Tel: +250 584562, Fax: +250 584563**

**Email: [info@rura.rw](mailto:info@rura.rw)  
Website: [www.rura.rw](http://www.rura.rw)**

**REGULATION N° ..... of ...../.....2023  
GOVERNING ELECTRICAL INSTALLATIONS  
SERVICES**

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The Regulatory Board;

Pursuant to Law n° 09/2013 of 01/03/2013 establishing Rwanda Utilities Regulatory Authority (RURA) and determining its mission, powers, organizations, and functioning especially in articles 2, 4, 6 and 20;

Pursuant to the Prime Minister Instructions n° 001/03 of 11<sup>th</sup> July 2014 relating to the fire prevention in Rwanda especially in articles 8 and 9;

Considering that electrical installations must be carried out by competent personnel to ensure safety of properties and people;

Upon due consideration and deliberations in its meeting of...../ ...../2023

**HEREBY** issues:

## **CHAPTER ONE: GENERAL PROVISIONS**

### **Article One: Purpose**

The purpose of this regulation is to put in place a legal and regulatory framework for providing electrical installations services in Rwanda.

### **Article 2: Definitions of terms**

For the purpose of this regulation, the following terms have the following meaning:

**1° Class:** a group into which electrical installations works are categorized according to required activities and their level of complexity;

**2° Company:** a corporate body composed of a defined number of persons registered for the purpose of carrying out business in electrical installations works;

**3° Electrical Installation:** a group of items of electrical equipment that are permanently electrically connected together and can be supplied with electricity from the works of an electricity entity or from a generating source.

**4° Inspection:** general checking and testing of an electrical installation, for the purpose of compliance with standards in place;

**5° Electrical Installation work:** the installation, alteration or repair, wholly or partially, of any conductor or apparatus or system of wiring in or upon premises, connected or intended to be connected to a supply of electricity;

**6° Licensee:** a person or company in possession of a license for distribution/supply of electricity;

**7° Permit:** a written document issued by the Regulatory Authority to an individual or a company for electrical installation works;

**8° Permit Holder:** a person or company holding a valid permit, issued under this regulation, to carry out electrical installation works;

**9° Person:** an individual or a company, cooperative, enterprise, organ or organization with legal personality which carries out or may carry out business in electrical installation works;

**10° Premise:** a place such as a site, building or structure, whether stationary or mobile, that can be electrically wired and this including residential, commercial, public and industrial premises;

**11° Regulatory Authority:** A national body with the mandate to regulate certain public utilities;

**12° Practitioner:** Any individual exercising electrical installations works.

### **Article 3: Objectives**

This regulation has the following objectives:

- 1° To ensure protection of people, properties and environment from hazards that can arise from the operation of an electrical installation under normal or faulty conditions; and
- 2° To ensure that the services of electrical installation of premises are done by competent and qualified personnel.

## **CHAPTER II: CLASSIFICATION OF PERMITS AND REQUIREMENTS TO UNDERTAKE ELECTRICAL INSTALLATIONS**

### **Article 4: Application for Electrical Installation**

A person who intends to carry out electrical installation works applies for an electrical installation permit to the Regulatory Authority.

The Regulatory Authority may reject an application for a permit if it considers that the applicant does not fulfill the requirements of carrying out electrical installation work applied for.

### **Article 5: Classes of permit**

The Regulatory Authority issues the following classes of permit:

- 1° **Class A:** For single phase (230V) electrical installation works;
- 2° **Class B:** For low voltage three phase (400V) electrical installation works and any work under Class A;
- 3° **Class C:** For medium voltage electrical installation works, switchgear and any other facility up to 30kV;
- 4° **Class D:** For electrical installation works of specialized fields, namely:
  - D1. Heating, Ventilation and Air Conditioning (HVAC)
  - D2. Generator sets
  - D3. Solar power systems
  - D4. Lightning protection
- 5° **Class Z:** For electrical Installation of any facility and including high voltage installations (above 30 kV) and any work under class C.

## **Article 6: Criteria to determine a class of permit**

The Regulatory Authority base on qualifications of the applicant to grant a class of permit as provided for in Annex I.

The Regulatory Authority conducts an assessment based on the ability of the applicant to undertake, engage in or perform electrical installation work.

The assessment shall be in connection with the class of permit that the applicant has applied for.

## **Article 7: Required qualification for permit application**

A person intending to apply for electrical installation permit must possess a certificate, diploma or degree in any of the following fields:

- a) electrical,
- b) electronics,
- c) mechanical/electromechanical,
- d) energy systems,
- e) renewable energy or
- f) any other related field as provided in annex I of this regulation.

Any applicant with educational background other than the aforementioned fields is eligible to apply for the permit, on condition of providing proof of professional experience, training and skills in electrical installation work.

The technical qualification required for each class of permit is detailed in Annex I.

## **Article 8: Required documents for permit application**

The applicant for an electrical installation permit must submit the following:

- 1° A copy of the identification card of the applicant or company representative;
- 2° A copy of certificate of company registration for companies;
- 3° Company profile/background;
- 4° Notarized copies of all required academic qualifications and certificates. Applicants whose diploma or degrees were obtained outside Rwanda must have equivalence and authentication of degrees or certificates issued by a competent institution in Rwanda;
- 5° A detailed and updated Curriculum Vitae;
- 6° Proof of payment of the application fee,

7° A recommendation letter from the company/cooperative for their representative, if different from the company owner.

A person may apply for a permit on his own or on behalf of the company he is working for, and in the latter case, the company must authorize the applicant in writing.

A company applying for a permit must have amongst its staff, the personnel fulfilling the requirements to hold the permit of the class the company is applying for.

### **Article 9: Application fees**

The application fee for an electrical installation permit is fifteen thousand (15,000) Rwandan Francs, non-refundable. The application fee for each permit applied for, is paid separately.

### **Article 10: Permit Fees**

The Permit fees for each class are specified in Annex II of this regulation.

### **Article 11: Permit Validity**

A permit granted under this regulation is valid for a period of three (3) years starting from the date of its signature.

### **Article 12: Permit renew**

The application for permit renewal is made at least thirty (30) calendar days prior to the permit expiration.

The permit renewal is subject to the application for renewal as provided for, from time to time, by the Regulatory Authority, with payment of the applicable fee.

### **Article 13: Registry**

The Regulatory Authority maintains a register and publishes the list of all permit holders on the Regulatory Authority's website.

### **Article 14: Refusal to issue or to renew a Permit**

The Regulatory Authority may refuse to grant or renew a permit if it is proved that the applicant has failed to fulfill any of the requirements/terms and conditions provided in this regulation.

In case of refusal to grant a permit, the Regulatory Authority notifies the concerned in writing stating the reasons for that refusal.

#### **Article 15: Permit cancelation**

The Regulatory Authority cancels the permit if it discovers that the permit was issued based on wrong or misleading information provided deliberately by the applicant.

The Regulatory Authority shall cancel the permit if the applicant has not withdrawn the permit after more than two (6) months following the approval of the permit, unless the applicant has communicated to the Regulatory Authority the reasons for not withdrawing the permit.

#### **Article 16: Permit revocation**

The Regulatory Authority may revoke the permit if:

- 1° A permit holder undertakes electrical installation works, including any additions, alterations, repairs and adjustments that do not comply with the applicable laws, standards and regulations or any terms and conditions of the permit;
- 2° A permit holder issues a certificate of compliance to the premises owner, prior to installation work completion or without conducting compliance inspections.

#### **Article 17: Appeal**

The applicant who is not satisfied by the decision related to examination results may appeal not later than ten (10) working days after publication of the results by the Regulatory Authority.

#### **Article 18: Electrical installations examination committee**

The Director General of the Regulatory Authority appoints an electrical installations examination committee for a term of three (3) years renewable.

The committee comprises staff from the Regulatory Authority and the Director General shall request other relevant institutions to nominate their respective representatives.

The Regulatory Authority may sub-contract the works of preparing, conducting marking and asserting examinations to a proficient entity on its behalf.



## **CHAPTER III: CONDITIONS, INSPECTION, MONITORING AND COMPLIANCE**

### **Article 19: Permit Conditions**

A permit holder is allowed to represent only one company for electrical installations work.

If a permit holder representing a company disassociates with the company he/she represented, both the company and the permit holder must notify the Regulatory Authority within five (5) working days to cancel the permit of the company he is representing.

The permit holder is allowed to disassociate with the company being represented, with provision of the resignation letter, with proof of reception, addressed to the Managing Director of the previous company.

A company intending to replace its representative by another permit holder must apply to the Regulatory Authority. A modified permit with the same expiration date as the previous one shall be issued to the company free of charge, if and only if the new representative has the same class of permit as the replaced one.

A company willing to associate with a permit holder must apply to the Regulatory Authority and must fulfill all the requirements as a new applicant, but will not be required to sit for examination.

### **Article 20: Permit holder obligations**

Any person or company holding a permit for electrical installation work has the following obligations:

- 1° duly fill a certificate of compliance as specified in Annex IV of this regulation and issue it to the owner of building upon completion;
- 2° demonstrate professionalism in the performance of his or her work;
- 3° ensure that all electrical installation works are done in accordance with the applicable laws, Regulations, guidelines, and applicable standards;
- 4° affix all relevant warning signs and labels on the installation and inform the customer accordingly after installation;

5° exhibit the permit at all times in his or her usual place of business for companies;

6° inspect, test and certify any electrical installation after completion, including any work completed after repair, alteration or addition and before it is energized for use in accordance with this regulation. In the case of a repair, alteration or addition to an electrical installation, only the affected parts of the installation need to be inspected and tested;

7° ensure that a copy of "As Built" drawings are produced and handed over to the owner of the premise for safekeeping after completion of the installation work;

8° maintain a registry of all electrical installations works performed;

9° report to the Regulatory Authority, each electrical installation work done, through the manner established by the Regulatory Authority;

10° be held responsible of any damage caused by substandard installations that he/she performed;

11° not transfer the permit to a third party

### **Article 21: Compliance with standards**

The permit holder must undertake electrical installations in conformity with the following applicable standards:

1° RS IEC 61936-1 for Power Installations exceeding 1kV a.c. –: Common rules;

2° RS 116-1 on Electrical wiring of Premises —Low-Voltage installations;

3° RS EAS 115 on Electric Cables — Spark Testing — Test Method;

4° RS EAS 116 on Copper conductors in insulated cables — Specification;

5° RS IEC 60884-1 on Plugs, Socket —outlets for house hold and similar purposes — Part 1: General requirements;

6° IEC 61386 on Conduit systems for cable management;

7° RS IEC 60269-1 on Low-voltage fuses — Part 1: General requirements;

8° RS EAS 204 on Metallic conduits and fittings for electrical installations – Specification – Part 1: Conduits;

9° RS IEC 61643 on Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power distribution systems - Requirements and tests; and

10° Any other subsequent standards issued by the Rwanda Standards Board.

## **Article 22: Inspection and Testing**

The permit holder inspects tests and certifies electrical installations of premises after completion of installations works using the certificate of compliance as specified in Annex IV.

In case where electricity supply is required before electrical installations works are carried out, the building owner must commit that the electrical installations will be done or inspected by a Permit Holder using the commitment letter as specified in Annex V.

The Licensee inspects and connects premises whose installations have been carried out by a person or a company with a valid permit. The Licensee may, at its discretion, request a third party to carry out inspection or tests on his behalf and provide a report to the licensee.

The Licensee has the right to disconnect power from premises that are found not to have been inspected for the period prescribed in Annex III.

In the case of a repair, alteration or addition to an electrical installation, the premise must be inspected and certified by a permit holder after completion of the works.

## **Article 23: Reporting mal-practices**

The Licensee monitors the professional performance of permit holders and must report any mal-practice to the Regulatory Authority. Mal-practice cases raised by the public are investigated by the Regulatory Authority in order to take appropriate regulatory measures.

## **CHAPTER IV: FAULTS AND ADMINISTRATIVE SANCTIONS**

### **Article 24: Undertaking electrical installation works without appropriate class of permit**

Any person who undertakes electrical installation works without appropriate class of permit, without a permit or with an expired permit, is liable to an administrative fine of fifty thousand (50,000) Rwandan Francs for a practitioner and five hundred (500,000) thousands Rwandan Francs for a company.

### **Article 25: Substandard electrical installations**

Any Permit Holder who performs electrical installation works not in conformity with the approved standards provided in this regulation is liable of an administrative fine of two hundred thousand (200,000) Rwandan francs for an individual and one million (1,000,000) for a company and is required to rectify the installation. Failure to rectify, the Regulatory Authority shall revoke the Electrical Installation Permit.

**Article 26: Not issuing a certificate of compliance for all electrical installations performed**

Any Permit Holder who do not issue to the owner of a building a certificate of compliance for electrical installations upon completion of installation is liable an administrative fine of thirty thousand (30,000) Rwandan Francs for a practitioner and three hundred (300,000) thousands Rwandan Francs for a company.

**Article 27: Certificate of compliance issued without conducting inspection**

Any Permit Holder who issues a certificate of compliance without conducting inspection or testing of the installation is liable to an administrative of fifty thousand (50,000) Rwandan Francs for a practitioner and four hundred (400,000) thousands Rwandan Francs for a company.

**CHAPTER V: FINAL PROVISIONS**

**Article 28: Transitional provision**

Electrical installation Permits issued before the coming to force of this regulation remain valid until their expiration date.

**Article 29: Repealing provision**

The regulations N° 002/EL/ENERGY/RURA/2012 of 04<sup>th</sup> October, 2012 on electrical installations and all other prior provisions of regulations contrary to this regulation are hereby repealed.

**Article 30: Commencement**

This Regulation comes into force on the date of its signature by the Chairperson of the Regulatory Board.

**Kigali, on ...../..... / 2023**

**Dr. Omar GATERA  
Chairperson of the Regulatory Board**

## **ANNEX I: PERMIT CLASSES AND REQUIRED QUALIFICATION**

<b>CLASSES OF PERMIT</b>	<b>DUTIES</b>	<b>MINIMUM TECHNICAL QUALIFICATIONS</b>
<b>Class A</b>	For single phase electrical installation of residential premises and reparations on equipment of supply up to 230V.	TVET Certificate in electrical/electro-mechanical or related field as specified in these regulations.
<b>Class B</b>	For three phase electrical installation and installation of light plants up to a level of 400V and any work under Class A;	TVET Certificate in electrical/electro-mechanical or related field as specified in these regulations.
<b>Class C</b>	For medium voltage installations up to 30kV;	A1 in electrical/electro-mechanical or related field as specified in these regulations.
<b>Class D</b>	For electrical installation systems designs and Installation in specialized fields like switchgear, centralized heating, refrigeration, and generator sets, solar systems and lightning protection;	TVET certificate in electrical/electro-mechanical or related field as specified in these regulations.
<b>Class Z</b>	To carry out installation of any plants up to and including high voltage (above 30kV), and any work under Class C.	A0 in electrical/electro-mechanical or related field as specified in these regulations

## **ANNEX II: PERMIT FEES**

<b>Classes</b>	<b>Individual</b>	<b>Company/ Cooperative</b>
Class A	20,000	50,000
Class B	50,000	150,000
Class C	100,000	250,000
Class D	50,000	150,000
Class Z	150,000	400,000

**ANNEX III: INTERVALS BETWEEN PERIODIC TESTS AND INSPECTIONS OF ELECTRICAL INSTALLATIONS IN BUILDINGS**

<b>Type of installation</b>	<b>Maximum period between inspections</b>
Domestic premises	5 years
Commercial premises and public premises	3 years
Hospitals	3 years
Industrial premises	3 years
Agricultural and horticultural	3 years
Petrol filling stations	3 year
Temporary installation	3 months

**ANNEX IV: CERTIFICATE OF COMPLIANCE FOR ALL ELECTRICAL INSTALLATIONS**

Company Logo (if any)

**CERTIFICATE OF COMPLIANCE FOR ELECTRICAL INSTALLATION**

**1. PERMIT HOLDER IDENTIFICATION**

<b>Full Names:</b>		<b>Permit No:</b>
<b>Company(if any):</b>		
<b>Tel:</b>		
<b>Permit category</b>		<b>Expire date:</b>

**2. TYPE OF WORK**

This certificate is in respect of:

- New installation
- Alteration (for existing installation)
- Testing ( for existing installation )
- Inspection ( for existing installation )

Of a house/ building located in:

Cell:  
Sector:  
District:  
UPI: \_\_/\_\_/\_\_/\_\_

**3. DECLARATION**

I certify that the electrical installation of the above mentioned house/building comply with regulations and standards applicable in Rwanda and has been found to be satisfactory.  
This certificate is valid until ...../...../..... (DD/MM/YY).

.....  
Signature

.....  
.....

Names  
(if any)

Stamp and Name of company

**ANNEX V: COMMITMENT LETTER**

I, ..... holding ID/Passport/TIN:

.....

Having a plot/building with UPI:.....,

located in .....District,

.....Sector, .....Cell,

.....Village

I commit to REG (EUCL)/.....Branch, that I will work with the  
Permit Holder, named:

.....

..... with Permit N<sup>o</sup>:.....,

Class:.....for Electrical Installation Works on the construction activities I

have started/I intend to start. After these works, the Permit Holder will provide me  
with *Certificate of compliance* for the Electrical Installations done.

Type of construction activities:

Residential  Commercial  Factory/Industry  Hospital  School  Hotel  Others

(Specify).....

Done at ..... on.....

Construction activities owner:

Names:.....

Phone N<sup>o</sup>:.....

Signature:.....

Electrical Installation Permit Holder:

Names:.....

Phone N<sup>o</sup>:.....

Signature & Stamp:.....