

Legal Notice No.....		
THE ENERGY ACT (No. 1 of 2019)		
IN EXERCISE of the powers conferred by sections 167 and 208 of the Energy Act, 2019, the Cabinet Secretary for Energy and Petroleum makes the following Regulations		
THE ENERGY (ELECTRICITY SUPPLY AND INSTALLATION WORK) REGULATIONS, 2022		
PART 1: PRELIMINARY		
Citation	1.	These Regulations may be cited as the Energy (Electricity Supply and Installation Work) Regulations, 2022.
Purpose	2.	The purpose of the Regulations is to promote safe use of electricity by enforcing quality and safety standards throughout the electricity supply value chain.
Application	3.	These Regulations shall apply to any person carrying out or intending to carry out generation, exportation, importation, transmission, distribution, retail supply and use of electricity or any work relating thereto, including— (i) Planning, designing, construction, operation and maintenance of electric power generators, electric supply lines and equipment. (ii) Connection of any premises to an electricity supply system. (iii) Electrical installation work at the premises of any consumer.
Interpretation	4.	(1) In these Regulations, unless the context otherwise requires — “ <i>Act</i> ” means the Energy Act, No. 1 of 2019; “ <i>Agency</i> ” has the meaning assigned to it in the Act; “ <i>Application</i> ” means a formal request to carry any undertaking to generate, export, import, transmit, distribute, or retail supply of electrical energy. It includes a formal request for a certificate or license to carry out electrical installation work; “ <i>Area of supply</i> ” shall have the meaning assigned to it under the Act; “ <i>Authority</i> ” means the Energy and Petroleum Regulatory Authority established under section 9 of the Act; “ <i>Auxiliary conductor</i> ” means any overhead conductor other than a line conductor. “ <i>Building</i> ” has the meaning assigned to it under the Act; “ <i>Cabinet Secretary</i> ” means the cabinet secretary for the time being responsible for energy; “ <i>Capital contribution</i> ” means that amount of money paid to a licensee, by a person who applies to be connected to a transmission

	<p>or distribution system, as a contribution to the cost of erecting electric supply lines which enable supply to other persons;</p> <p>“Circuit” means an electrical path forming a system or branch of a system;</p> <p>“Connection Charge” means the costs incurred in the development of the infrastructure to connect the customer’s premises;</p> <p>“Connection service provider” means a transmission, distribution or retail supply licensee;</p> <p>“Consumer” shall have the same meaning as assigned in the Act;</p> <p>“Corporation” has the meaning assigned to it in the Act;</p> <p>“Day” means a calendar day;</p> <p>“Distribution system” shall have the same meaning as assigned in the Act;</p> <p>“Electric supply line” shall have the same meaning as assigned in the Act;</p> <p>“Electrical contractor” means a person licensed by the Authority under Regulation 7 of these Regulations to carry out electrical installation work as specified in the license;</p> <p>“Electrical installation” shall have the meaning assigned under the Act;</p> <p>“Electrical installation certificate or licence” means a document issued by the Authority under Regulations 6 or 7 of these Regulations, respectively, authorizing a person to carry out electrical installation work either individually or as a body corporate or incorporate for voluntary, business, training, or teaching purposes either for gain or reward or for no charge at all;</p> <p>“Electrical installation work” means the work of installing, altering or adding to an electrical installation and the supervision of such work;</p> <p>“Electrical worker” shall have the meaning assigned under the Act;</p> <p>“Electricity supply system” means any system used to provide a supply of electricity and includes the national grid, mini grids or stand-alone power systems, stand-by auxiliary power supply systems;</p> <p>“Equipment or appliance” shall have the meaning assigned to it under the Act;</p> <p>“Factor of safety” means the measure of reliability in equipment design given as the ratio of absolute strength or capacity of a material or equipment to the intended, actual or maximum permissible load or stress;</p> <p>“Feeder” means an electrical line emanating from a generating station or primary substation to a supply area controlled by a circuit breaker;</p>
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	<p>“Form of Contract” means the supply agreement document between the service provider and the consumer as approved by the Authority setting out the rights and responsibilities;</p> <p>“Good electricity industry practice” means that degree of skill, diligence, prudence and foresight that reasonably would be expected from a competent person, consistent with applicable laws, regulations, licenses, codes and ensuring reliability of supply, safety and protection of the environment;</p> <p>“Grid” shall have the meaning assigned to it under the Act;</p> <p>“Grid Code” means the document (or set of documents) that legally establishes technical and procedural obligations and other requirements for the connection to and use of an electric power system in a manner that will ensure coordinated, efficient, reliable and safe operations as prescribed in the regulations relating to reliability and quality of supply and service.</p> <p>“Installation” shall have the meaning assigned to it under the Act;</p> <p>“Kenya Standard” means a specification or code of practice declared by the Council under the Standards Act;</p> <p>“Licence” shall have the meaning assigned to it under the Act</p> <p>“Licensee” shall have the meaning assigned to it under the Act;</p> <p>“Licence Applicant” means a person or business entity which submits an application for an initial or a renewal certificate or licence for of electrical installation work;</p> <p>“Line conductor” means an electrical conductor or cable used for conveying electrical energy and includes so much of any service line as may be placed above ground and in the open air;</p> <p>“Meter” means any type of machine, device or instrument used for the measurement of the quantity of electrical energy, and includes such auxiliary appliances as resistors, shunts, reactances, current transformers, voltage transformers and time switches external and necessary to the meter;</p> <p>“Mini grid” means any electricity supply system with or without its own power Generation Capacity, supplying electricity to more than one Consumer and which can operate in isolation from or be connected to a third party’s Distribution Network with an installed capacity of up to 1 MW;</p> <p>“Overhead conductor” means any conductor of an overhead electric supply line normally in tension (charged) and includes line conductors, and auxiliary conductors together with joints and jointing devices used therewith;</p> <p>“Overhead line” means any electric supply line which is placed above ground and in the open air;</p> <p>“Person” shall have the meaning assigned to it under the Act;</p> <p>“Power system” shall have the meaning assigned to it under the Act;</p>
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	<p>“Premises” shall have the meaning assigned to it under the Act;</p> <p>“Primary substation” means the interconnection between high voltage and medium voltage;</p> <p>“Public road” has the meaning as prescribed in the Public Roads and Roads of Access Act (CAP 399);</p> <p>“Revocation” means a licence or certificate has been permanently canceled and cannot be reinstated.</p> <p>“Service line” shall have the meaning assigned to it under the Act;</p> <p>“Specification” has the meaning assigned to it in the Standards Act;</p> <p>“Stand-alone power system” means an electricity supply system which is not connected to the Grid;</p> <p>“Street box” means a cabinet for electrical equipment mounted in the street and controlling the electrical supply to a number of houses in a neighborhood;</p> <p>“Substation” means a part of a power system in which the voltage is transformed from high to low or vice versa for transmission, distribution and/or switching.</p> <p>“Supervision” in relation to electrical installation work, means that the work is undertaken under such control and direction of a person authorized under the Act;</p> <p>“Supply” in relation to electricity, means the sale of electricity to a licensee or consumer;</p> <p>“Support” means any structure used to prop up any overhead line including poles, stays, struts, and cross arms but not including conductor attachments;</p> <p>“Suspension” means a licence or certificate is temporarily out of service and can be reinstated upon satisfying set out conditions.</p> <p>“Underground line” means any electric supply line which is placed underground; and</p> <p>“Use of electrical energy” means the conversion of electrical energy into chemical energy, mechanical energy, sound, heat or light, or the use or application of electrical energy to or for any of the purposes for which it may be or become or be found to be adapted;</p> <p>“Voltage” means the effective difference of electrical potential between any two conductors, or between a conductor and the earth, and is said to be—</p> <ul style="list-style-type: none"> (a) low when it does not exceed one thousand volts under normal conditions, subject however to the percentage variation allowed by any regulations made under the Act; (b) medium when it exceeds one thousand volts but does not exceed thirty three thousand volts under normal conditions, subject however to the percentage variation allowed by any regulations made under the Act; and
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		<p>(c) high when it normally exceeds thirty three thousand volts under normal conditions, subject however to the percentage variation allowed by any regulations made under the Act;</p> <p>“Works” shall have the meaning assigned to it under the Act.</p> <p>(2) In these Regulations, unless the context otherwise requires-</p> <p>(i) any reference to a numbered Regulation or Schedule is a reference to the Regulation or Schedule bearing that number in these Regulations;</p> <p>(ii) any reference to a numbered Sub-regulation is a reference to the Sub-regulation bearing that number in the Regulation in which the reference occurs;</p> <p>(iii) words importing the singular include the plural and vice versa; and words importing a gender include any gender</p>
PART II - LICENSING OF ELECTRICAL WORKERS AND CONTRACTORS		
General Provisions	5.	<p>(1) Any person planning, building, operating or maintaining a transmission or distribution system shall ensure that such works are carried out by a licensed electrical contractor(s) and electrical worker(s).</p> <p>(2) It shall be the duty of the owner or occupier of any premises to ensure that electrical installation work in their premises is-</p> <p>(a) Carried out by a licensed electrical contractor and commencement of work notice and completion certificates issued to the Connection Service Provider before connection to supply of electricity.</p> <p>(b) Tested and inspected periodically, any defects being remedied, and inspection and test certificates issued and displayed at the point of supply.</p> <p>(3) The Connection Service Provider shall not connect or continue supply to premises where the electrical installation does not meet the conditions set out in Sub-regulation (2).</p>
Licensing of electrical workers.	6.	<p>(1) A person shall not carry out the design, construction, operation, maintenance or inspection of an electricity transmission and distribution systems and consumer installations unless certified as an electrical worker by the Authority. Provided that the person may carry out such works under supervision of a certified electrical worker.</p> <p>(2) The Authority may, on receipt of an application for an electrical worker certificate, grant the applicant one of the classes of certificates set out in the First Schedule:</p>

<p>Licensing of electrical contractors</p>	<p>7.</p>	<p>(1) A person who intends to carry out design, construction, operation, maintenance or inspection of an electricity transmission and distribution system and consumer installations as an electrical contractor shall be licensed by the Authority.</p> <p>(2) The Authority may, on receipt of an application for an electrical contractor licence, grant the applicant one of the classes of licences set out in the First Schedule:</p> <p>(3) A holder of an electrical contractor licence shall be required to hold, or to have in his employment, a licensed electrical worker of the class applied for or higher.</p> <p>(4) The Authority shall not license any electrical contractor who is unable to satisfy the Authority that he carries out the business at premises constituting a permanent address. In the case of a business having more than one branch, one electrical contractor license shall be issued to cover all the branches as declared by the applicant.</p>
<p>Application for Certificates and licences</p>	<p>8.</p>	<p>(1) An application for grant of certificate or licence under these Regulations shall be made electronically or in any other manner the Authority may determine and shall be accompanied by the supporting documents set out in the Second Schedule and proof of payment of the application fees set out in the Third Schedule.</p> <p>(2) A person who wishes to be certified as an electrical worker shall make an application in Form 001 as set out in the Fourth Schedule.</p> <p>(3) A person who wishes to be licensed as an electrical contractor shall make an application in Form 002 as set out in the Fourth Schedule.</p> <p>(4) The Authority shall examine a licence applicant who has applied for a certificate or licence in such a manner as it may determine and upon any matter or thing in connection with application for the purpose of ascertaining the licence applicant's qualification and suitability for grant of a particular class of electrical installation licence.</p> <p>(5) The Authority may co-opt subject matter experts to assist in assessing the competence of licence applicants.</p> <p>(6) The Authority shall process the application and communicate the outcome to the applicant in writing no later than-</p> <p style="padding-left: 40px;">(a) sixty days from the date of receipt of a worker's certificate application or upgrade of a worker's certificate; and</p> <p style="padding-left: 40px;">(b) Thirty days from the date of receipt of a licence application for an electrical contractor licence;</p> <p>(7) Where the licence applicant satisfies the requirements under these Regulations, the Authority shall issue the licence applicant with a certificate or licence as set out in the First Schedule.</p>

Validity of Certificate or Licence	9.	<p>(1) A certificate or licence for electrical installation work shall be issued for a maximum term of three years and may be renewed for a similar term upon expiry.</p> <p>(2) Renewal of electrical worker certificate shall be subject to the holder satisfying such continuing technical trainings as may be prescribed by the Authority.</p>
Renewal of Certificate or Licence	10.	<p>(1) An application for renewal of a certificate or licence shall be made at least thirty days before the expiry of the licence</p> <p>(2) The application shall be accompanied by the documentation and proof of payment of the annual fees specified in the Third Schedule.</p> <p>(3) The Authority shall process a renewal application and communicate the outcome to the applicant in writing no later than thirty days from the date of receipt of an application.</p> <p>(4) A licensee who makes a licence renewal application after the expiry date shall pay the annual fees for the period for which the licence was not renewed.</p> <p>(5) Sub-regulation (4) shall not apply where the licensee has before expiry of the licence applied to the Authority in writing for deferment of the licence.</p> <p>(6) The Authority shall consider the deferment application and accept or reject with reasons in writing within thirty days of receipt of the deferment application.</p> <p>(7) Any electrical worker certificate which is not renewed one year after expiry shall, unless the certificate holder has before expiry of the certificate obtained approval from the Authority based on reasons submitted in writing by the certificate holder, be deemed to have been revoked and shall not be considered for renewal</p>
Upgrade of licences	11.	<p>(1) An electrical worker who wishes to upgrade to a different class of licence of the same category shall make an application to the Authority in Form 001 or Form 002 as set out in the Fourth Schedule at least two years after the issuance of the current certificate. Provided he may apply to upgrade to a higher class of licence upon attaining qualifications meeting the minimum requirements for the higher class of licence.</p> <p>(2) The Authority shall approve the upgrade of an electrical worker's certificate if the worker has met the required academic, professional qualifications and job experience as set out in the Second Schedule.</p> <p>(3) The Authority shall approve the upgrade of an electrical contractor licence where the contractor demonstrates that he has in his employment a licensed electrical worker equivalent to the class of</p>

		<p>licence for which the upgrade is required, or higher, and meets the requirements set out in Second Schedule for that class of licence.</p> <p>(4) The upgrade of a licence shall be subject to the licensee paying the applicable licence fees for the class of licence applied for.</p>
Replacement of a licence	12.	<p>(1) Where a licensee demonstrates to the Authority that a certificate or licence issued under these Regulations has been defaced, destroyed or lost, the Authority may, on payment of the fees prescribed in the Third Schedule issue a duplicate licence.</p> <p>(2) An application for replacement of a certificate or licence under sub-regulation (1) shall be in Form 003 as set out in the Fourth Schedule, and shall be accompanied by the supporting documents specified in the application form.</p>
Suspension and revocation of licence	13.	<p>(1) The Authority may suspend or revoke any licence issued under these Regulations where it is satisfied that a licensee has breached these Regulations or any conditions attached to the licence.</p> <p>(2) The Authority shall give a notice of not less than thirty days to the licensee requiring him or her to show cause as to why the licence should not be suspended or revoked. The notice to show cause shall set out the specific areas of non-compliance.</p> <p>(3) Where a licensee fails to show cause as to why the licence should not be suspended or revoked within the time specified, the Authority may suspend or revoke the licence.</p> <p>(4) Upon the suspension of a licence, the Authority shall specify in writing the conditions and period of suspension.</p> <p>(5) A licensee shall, within fourteen days after receiving a copy of the order of suspension or revocation, return the licence or certificate to the Authority.</p> <p>(6) Where the Authority suspends or revokes a license of any electrical worker or a licence of any electrical contractor it shall remove his name from the register of certified electrical workers or licensed electrical contractors for the time being maintained by the Authority under these Regulations.</p>
Register of licencees	14.	The Authority shall maintain and publish on its website, a register of all licensed electrical workers and contractors
PART III- CONNECTION TO AN ELECTRICITY SUPPLY SYSTEM		
Duty to provide electricity in area of supply	15.	<p>(1) Every connection service provider shall provide electrical energy appropriate for each category of consumers in its area of supply in accordance with applicable contracts.</p> <p>(2) In providing electricity to consumers, the connection service provider shall ensure safety of people and property, protection of the</p>

		<p>environment as well as sustainability, efficiency and reliability of the supply.</p> <p>(3) Every connection service provider shall prepare and submit to the Authority for approval the Form of Contract to be entered into between itself and its consumers.</p> <p>(4) The Authority shall make a decision and communicate within sixty days on the Form of Contract submitted for approval.</p>
Provision of electric supply lines	16.	<p>(1) An electricity supply system to supply consumers pursuant to Regulation 15 may be laid down or erected at the cost of the connection service provider, the national or county governments or by way of capital contributions made by consumers connected to that system. Each electricity supply system shall be under the control of the connection service provider responsible for that area.</p> <p>(2) Every person has the right to use the electricity supply system under the control of any connection service provider provided that the installation to be connected thereto meets the minimum requirements of the connection service provider as approved by the Authority and in accordance with Section 140 of the Act and the Grid Code.</p> <p>(3) Every installation connected to the electricity supply system under the control of any Connection Service Provider shall be in accordance with a contract or Form of Contract approved by the Authority.</p> <p>(4) The owner or occupier of any premises requiring electricity connection shall ensure that the electrical installation in the subject premises complies with the provisions of Section 151 of the Act.</p>
Application for connection to an electric supply system	17.	<p>(1) A person requiring connection to the distribution system under the control of any Connection Service Provider for any purpose shall apply to the Connection Service Provider in the manner set out in the Fifth Schedule.</p> <p>(2) The Connection Service Provider shall prominently display on its website and at all offices where an application for connection may be made, the complete list of documents to be furnished with each application and the procedure for processing the application.</p> <p>(3) Application for new connection shall be made in the form prescribed by the Connection Service Provider and any error, omission or defect in the application shall be communicated to the applicant in writing within fourteen days of receipt of the application.</p> <p>(4) Upon application by any person, the Connection Service Provider shall, in accordance with Regulations 20, notify the applicant in writing of the terms and conditions to be complied with before connection is made.</p>

<p>Records and costs of connections</p>	<p>18.</p>	<p>(1) Every Connection Service Provider shall maintain records of all persons:</p> <ul style="list-style-type: none"> (a) that apply for electricity connection; (b) whose premises get connected to electricity supply system within their area of supply together with costs of all electric supply lines erected to enable the connections and the capital contributions thereof; and (c) whose connection applications are declined and the reasons thereof. <p>(2) After the end of its financial year, every Connection Service Provider shall carry out an analysis of all new connections made at each supply voltage in that year and derive the average costs of single and three phase connections. This analysis shall be submitted to the Authority within three months of the start of the succeeding financial year.</p>
<p>Charges for connection</p>	<p>19.</p>	<p>(1) The Connection Service Provider shall provide the consumer with a reasonable connection charge based on a fair, just and transparent methodology.</p> <p>(2) The methodology shall provide for equitable distribution of capital contribution of costs among persons who get connected to electric supply lines that are paid for by others and shall be in compliance with Section 142 of the Act.</p> <p>(3) The methodology in sub-regulation (2) shall be developed by the Connection Service Provider and submitted to the Authority for approval.</p> <p>(4) The Connection Service Provider should clearly display in its website and offices the approved connection charges, the option to complain or dispute the connection charge and raise a dispute with the Authority.</p>
<p>Terms and conditions for connection</p>	<p>20.</p>	<p>(1) Upon receipt of any application for connection to any electric supply system, the Connection Service Provider shall:</p> <ul style="list-style-type: none"> (i) make a determination of the connection charges in accordance with the approved methodology referred to in Regulation 19. (ii) establish all persons who may have made capital contributions in respect of the electric supply system that the applicant is to be connected to and any refunds due to those persons; (iii) advise the applicant the payments to be made before the connection is made, as well as any refunds that the applicant may be entitled to from persons that may be subsequently connected to the electric supply system for which he has made a capital contribution.

		(2) The payments and refunds contemplated in Sub-regulation (1) shall be determined in accordance with the approved methodology referred to in Regulation 19.
Customer Service Charter	21.	(1) A connection service provider shall establish a Customer Service Charter to be approved by the Authority upon grant of license. The Customer Service Charter shall at a minimum include details set out in the Sixth Schedule . (2) The Customer Service Charter in Sub-regulation (1) shall be valid for the Tariff Control Period as prescribed in section 165 (7) of the Act.
Other connection requirements	22.	(1) The connection to an electricity supply system shall further be informed by the provisions of the <i>Connections Chapter</i> of the Grid Code . (2) A consumer shall pay on demand, charges for consumption of electrical energy, whether such charges are due to the licensee for the supply of electrical energy to the premises in respect of which such supply is demanded or in respect of other premises metered by the same customer. (3) A licensee may require a consumer to make meter and account deposits as shall be contained in the methodology approved by the Authority as per Regulation 19.
Metering	23.	(1) A Connection Service Provider shall establish a meter reading cycle for purposes of ascertaining the charges for consumption of electrical energy. Provided that a consumer may with the agreement of the Connection Service Provider take the readings in the meter and submit the same for billing purposes. (2) The security and integrity of the energy meter shall be the responsibility of the consumer upon whose premises the meter was placed in accordance with section 155 of Act.
PART IV – CONSUMER INSTALLATIONS		
Electrical installation in the premises of a consumer	24.	(1) A licensed electrical contractor shall carry out electrical installations works in compliance with applicable Kenyan regulations, codes, standards and guidelines. (2) Prior to commencement of works at any electrical installation, a licensed electrical contractor shall be required to issue a commencement of work notice in Form 004 as set out in the Seventh Schedule . Where there is change of the electrical contractor undertaking the installation, a fresh commencement of work notice shall be required. (3) Upon conclusion of electrical installation works, an electrical contractor shall:

	<ul style="list-style-type: none"> (i) carry out electrical inspections and tests and issue a certificate of completion in Form 005 as set out in Seventh Schedule. The certificate of completion shall be issued to the Connection Service Provider as applicable, and copied to the premise owner or occupier. (ii) issue ‘as built’ schematics and drawings to the premises or installation owner. (iii) train the premises owner or client on basic operating procedures for the installation and provide user manuals where applicable. <p>(4) Where the Connection Service Provider notices from the completion certificate and test records that an electrical installation does not meet the requirements, the electrical contractor shall make good the defects at his own costs.</p> <p>(5) Where the electrical contractor fails to make good the defect noticed under sub-regulation (4), his licence shall be liable for suspension or revocation by the Authority.</p> <p>(6) The Authority may, at any time, inspect the premises where an electrical installation is taking place or has been done.</p> <p>(7) Meters for measuring electrical energy shall be located outside the consumer’s premises where the Connection Service Provider can easily access and at a height of not more than two metres from the ground. For the purposes of this Regulation the term “outside” means at the exterior of the perimeter wall of the customer’s premises or exterior of the consumer premises.</p> <p>The consumer shall be fully responsible for the security of the energy meters within their premises.</p>
<p>Inspection of Electrical installation at the Premises of a Consumer by the Connection Service Provider</p>	<p>25. (1) The Connection Service Provider shall be required to undertake inspection and tests of the electrical installations at the supply connection point before connecting the premises to supply.</p> <p>(2) Where upon inspection of the electrical installation at the premises of a consumer and testing at the supply connection point, the Connection Service Provider is reasonably satisfied that-</p> <ul style="list-style-type: none"> (i) the wiring or fittings are not suitable for the service voltage; (ii) a defect exists at some part of the circuit of such extent as to be a source of danger; or (iii) any other requirements of these Regulations are not being complied with; <p>the Connection Service Provider shall not commence a supply or shall discontinue the supply of electrical energy to the consumers’ terminals, as the case may be, and shall give immediate notice in Form 006 as set out in the Eighth Schedule to the consumer indicating the reason for not giving, maintaining or restoring the supply.</p>

		<p>(3) The cost of the initial inspection in sub-regulation (2) shall be borne by the Connection Service Provider. Where defects have been identified, the costs for each subsequent re-inspection shall be borne by the electrical contractor who issued the completion certificate at a rate approved by the Authority.</p> <p>(4) Notwithstanding the inspection and testing by the Connection Service Provider, the Connection Service Provider shall bear no responsibility for any loss or damage arising out of the commencement of supply.</p>
Periodic testing and inspection of electrical installations	26.	<p>(1) The owner or occupier of any building or premises shall cause periodic inspection and testing of the electrical installation of their building or premises to be conducted to ascertain that the installation is in good condition and safe. The periodic inspections and tests shall be conducted at intervals set out in the Ninth Schedule.</p> <p>(2) The periodic tests and inspections shall be carried out by a licensed electrical contractor. The contractor shall issue to the owner or occupier of the premises:</p> <ul style="list-style-type: none"> (i) an inspection and test report; and (ii) Periodic inspection and test certificate in Form 007 as set out in Ninth Schedule. <p>The inspection and test certificate shall be displayed at the electricity supply point or meter box for the building or premises.</p> <p>(3) The Connection Service Provider shall issue a defective installation notice to the owner or occupier of any building or premises which is overdue for periodic inspection and testing. If the defect is not rectified within the period specified in the notice, the Connection Service Provider may discontinue the supply until this regulation is complied with.</p> <p>(4) Notwithstanding the conditions in sub-regulation (3), owners or occupiers of premises not connected to any Connection Service Provider shall be required to comply with sub-regulation (1) and (2).</p>
PART V – ELECTRIC SUPPLY SYSTEMS		
Construction and maintenance of overhead and underground supply lines	27.	<p>(1) It shall be the duty of any person planning, building, operating or maintaining a transmission or distribution system to ensure that such works are carried out only by electrical contractors and electrical workers duly authorized by the Authority.</p> <p>(2) A licensed electrical contractor shall carry out construction and maintenance of overhead and underground transmission and distribution lines in accordance with applicable Kenyan codes, standards as set out in Tenth Schedule and guidelines issued by the Authority.</p>

		<p>(3) A licensed electrical contractor shall not construct or maintain any overhead and underground lines without the necessary permits, approvals and wayleave consent.</p> <p>(4) A licensed electrical contractor take responsibility for any incident or accident that occurs during construction of power supply lines unless proven that the accident was inevitable or as a result of force majeure.</p> <p>(5) Upon conclusion of construction of overhead or underground supply lines, an electrical contractor shall:</p> <p>(i) carry out electrical inspections and tests and issue a certificate of completion in Form 008 set out in Tenth Schedule. The certificate of completion shall be issued to the Connection Service Provider or the power line operator.</p> <p>(ii) issue ‘as built’ schematics and drawings to the Connection Service Provider or the power line operator.</p> <p>(6) Where the Connection Service Provider notices from the completion certificate and test records that a power supply line installation does not meet the requirements, the electrical contractor shall make good the defects at his own costs.</p> <p>(7) Where the electrical contractor fails to make good the defects identified under sub-regulation (6), his licence shall be liable for suspension or revocation by the Authority.</p>
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PART X – MISCELLANEOUS PROVISIONS

Offences, fines and penalties.	28.	<p>(1) A person who commits the offences set out in the Eleventh Schedule of these Regulations, shall be liable to the penalties set out therein.</p> <p>(2) The penalties in these Regulations are without prejudice to the Authority’s right to suspend or revoke a licence.</p> <p>(3) The payment of a fine shall not indemnify an electrical worker or contractor from any obligations to compensate the aggrieved party.</p> <p>(4) Any fine which is not paid shall be a civil debt recoverable summarily.</p>
Powers to inspect	29.	The Authority or its agents may carry out inspections to ensure compliance with these regulations pursuant to Section 11 of the Act
Compliance orders	30.	<p>(1) Where the Authority finds that any provision of these Regulations has been contravened by a licensee, Connection Service provider or owner or occupier of premises or that a condition has arisen which may lead to the contravention of these Regulations, the Authority may issue a compliance order compelling the person to comply with the Regulations.</p> <p>(2) An order issued under this regulation shall state —</p>

		<ul style="list-style-type: none"> (i) the specific provision which has been or is likely to be contravened; (ii) the specific provision which has been or is likely to be contravened; (iii) the measures which should be taken to rectify the contravention; and (iv) the period within which the order shall be complied with.
Local Content	31.	A licensee or Connection Service Provider under these Regulations shall comply with local content requirements in accordance with the provisions of section 206 of the Act.
Insurance against injury to persons and damage to property	32.	Licensed electrical contractors shall maintain such insurances as necessary to cover injury and damage to property including damage to the works arising out of or in the course of or by reason of carrying out the electrical works.
PART XI - REVOCATION, SAVINGS AND TRANSITIONAL PROVISIONS		
Revocation	33.	The Electric Power (Electrical Installation Works) Rules, 2006, are hereby revoked.
Preservation of Licences and Certificates	34.	Any person certified or licensed under the Electric Power (Electrical Installation Works) Rules, 2006 (now repealed) shall carry on as though certified or licensed under this Regulations, without having to apply for new certificate or licence, and shall enjoy all rights and privileges as provided under this Regulation. Provided upon expiry of the existing certificate or licence the same shall be renewed under these Regulations.
Continuance of periods of time	35.	Where a period of time specified in the repealed Rules is current at the commencement of this Regulations, this Regulations shall have effect as if the corresponding provisions had been in force when the period began to run.

FIRST SCHEDULE [r.6(2), 7(2), 8(7)]

CATEGORIES AND CLASSES OF CERTIFICATES/LICENCES

CONSUMER INSTALLATIONS CATEGORY	
Licence Class	Scope of Work
C4	Shall entitle the holder to carry out all kinds of electrical installation work in consumers' premises including factories and places of public entertainment for connection to supply metered at any voltage.
C3	Shall entitle the holder to carry out electrical installation work in consumers' premises including factories and places of public entertainment and for connection to supply metered at voltages not exceeding 33,000 Volts.
C2	Shall entitle the holder to carry out electrical installation work in consumers' premises for connection to a single and/or three phase supply metered at voltages not exceeding 1000 Volts and restricted to four storey buildings not used as factories or places of public entertainment.
C1	Shall entitle the holder to carry out electrical installation work in consumers' premises for connection to a single phase supply metered at voltages not exceeding 1000 Volts and restricted to two storey buildings not used as factories or places of public entertainment.
ELECTRIC SUPPLY LINES CATEGORY	
L4	Shall entitle the holder to carry out work on all kinds of electric supply lines operating at any voltage;
L3	Shall entitle the holder to carry out work on electric supply lines operating at voltages not exceeding 33,000 Volts;
L2	Shall entitle the holder to carry out work on single and three phase electric supply lines operating at voltages not exceeding 1,000 Volts.
L1	Shall entitle the holder to carry out work on single phase electric supply lines operating at voltages not exceeding 1,000Volts.
SPECIAL INSTALLATIONS CATEGORY	
Class S1	Shall entitle the holder to carry out electrical installation work for electric power generators at consumer premises
Class S2	Shall entitle the holder to carry out electrical installation work for lifts and escalators.
Class S3	Shall entitle the holder to carry out electrical installation work for electric vehicles (EV) charging infrastructure.
Class S4	Shall entitle the holder to carry out electrical installation work for hazardous or potentially explosive areas such a filling stations and fuel depots.
<i>Note: For avoidance of doubt, places of public entertainment include schools, hospitals, clinics, clubs, theatre, cinema halls, swimming pools, arena, bars, auditorium, ballrooms, and so on.</i>	

SECOND SCHEDULE [r. 8(1), 11(2), 11(3),]

MINIMUM LICENSING REQUIREMENTS

A. LICENSING REQUIREMENTS FOR ELECTRICAL CONTRACTOR LICENCE

A.1: New Licence Applications Requirements

- (i) Duly filled application form documenting all requirements.
- (ii) Application fees
- (iii) Certified copy of the certificate of incorporation or business registration certificate.
- (iv) Certified copy of Form CR 12 from the Registrar of Companies.
- (v) Certified copies of identification documents (National Identification Card or Passports) for all the company's directors.
- (vi) Certified copy of a valid Work Permit Class "G" for foreign directors working in Kenya or notarized declaration of non-residence for foreign directors not residing in Kenya.
- (vii) Certified copy of a valid Trading Licence/ Single Business Permit from the County Government.
- (viii) Copy of a valid KRA Tax Compliance Certificate.
- (ix) Adequately equipped office premises
- (x) Proof of occupancy of the applicant's office.
- (xi) Signed consent letter between the contractor and electrical worker attested by a commissioner for oaths /notary public clearly indicating the engagement period, which period shall not be less than one year using a template prescribed by the Authority as at the time of application.
- (xii) List of electrical test instruments and equipment as set out in the table below

CONSUMERS' INSTALLATIONS CATEGORY			
Class	Tools and equipment	Class	Tools and equipment
C4, C3 & C2	1 Phase rotation meter 2 Insulation resistance tester 3 Earth resistance tester 4 Earth loop impedance tester 5 Multimeter/Clamp meter 6 Personal Protective Equipment 7 Well-stocked electrician toolbox	C1	1 Insulation resistance tester 2 Earth resistance tester 3 Earth loop impedance tester 4 Multimeter/Clamp meter 5 Personal Protective Equipment 6 Well-stocked electrician toolbox
ELECTRIC SUPPLY LINES CATEGORY			
Class	Tools and equipment	Class	Tools and equipment
L4 & L3	1 Materials transportation equipment. 2 Tower/Pole erection equipment, 3 Tower/Pole climbing tools, 4 Conductor stringing, sagging and tensioning equipment 5 Rigging tools and equipment; 6 Electrical test equipment; 7 Personal Protective Equipment 8 Well-stocked electrical lineman toolbox	L2 & L1	1 Materials transportation equipment. 2 Excavation equipment; 3 Pole erection equipment, 4 Pole climbing tools, 5 Conductor stringing, sagging and tensioning equipment 6 Rigging tools and equipment; 7 Electrical test equipment; 8 Personal Protective Equipment 9 Well-stocked electrical lineman toolbox

SPECIAL INSTALLATIONS CATEGORY			
Class	Tools and equipment	Class	Tools and equipment
S1& S2	1 Phase rotation meter 2 Insulation resistance tester 3 Earth resistance tester 4 Earth loop impedance tester 5 Multimeter/Clamp meter 6 RCD (safety switch) tester 7 Well-stocked electrician toolbox	S3 & S4	1 Phase rotation meter 2 Insulation resistance tester 3 Earth resistance tester 4 Earth loop impedance tester 5 Multimeter/Clamp meter 6 RCD (safety switch) tester 7 Well-stocked electrician toolbox

A.2 Renewal Licence Application Requirements

1. Duly filled application form documenting all requirements.
2. Licence renewal fees
3. Valid tax compliance certified
4. Valid trading licence/Single business permit
5. Active electrical worker licence
6. Electrical worker consent or employment letter

B. QUALIFICATION CRITERIA FOR ELECTRICAL WORKER CERTIFICATE

B.1: New Licence Applications Requirements

1. Duly filled application form documenting all requirements.
2. Licence application fees
3. Copy of national identification card.
4. Passport photograph
5. Copies of academic and professional certificates (minimum qualifications are as set out in table B.1.1, B.1.2 and B.1.3).
6. To undergo competency assessment test/examinations.

B.1.1: Consumer Installations Workers				
Licence Class	Minimum Academic Qualification	Professional Qualification and Experience	Professional Registration	Highest Achievable Licence Class
Class C4	KCSE	<ul style="list-style-type: none"> • Bachelor degree in Electrical Engineering. • At least three verifiable projects above 11,000V working under a duly licensed electrical worker. 	Registered as Professional Engineer with Engineers Board of Kenya	C4
		<ul style="list-style-type: none"> • Upgrading from C3 after two years of verifiable practice with C3 Licence. 		

B.1.1: Consumer Installations Workers

Licence Class	Minimum Academic Qualification	Professional Qualification and Experience	Professional Registration	Highest Achievable Licence Class
Class C3	KCSE	<ul style="list-style-type: none"> • Bachelor Degree in Electrical Engineering. • At least three verifiable projects above 11,000V working under a duly licensed electrical worker 	Registered as a graduate engineer by Engineers Board of Kenya	C4
		<ul style="list-style-type: none"> • Higher National Diploma in Electrical Engineering,; or Technologist Degree in electrical engineering; or Mechatronic Engineering; or an equivalent. • At least three verifiable projects above 11,000V working under a duly licensed electrical worker 	Registered by Kenya Engineering Technology Registration Board as an engineering technologist or technician.	C4
		<ul style="list-style-type: none"> • Upgrading from C2 after two years of verifiable practice with C2 Licence 	-	C4
Class C2	KCSE	<ul style="list-style-type: none"> • Diploma in Electrical Engineering 	-	C4
		<ul style="list-style-type: none"> • Upgrading from C1 after two years of verifiable practice with C1 Licence • At least three verifiable projects not exceeding 1,000V working under a duly licensed electrical worker 	-	C4
Class C1	KCSE	<ul style="list-style-type: none"> • Electrical Craft Certificate 	-	C4
	KCPE	<ul style="list-style-type: none"> • Electrical Artisan, Trade Test Grade II, Electrical Installation Technician II and any recognized equivalent. • At least three verifiable single phase projects not exceeding 1,000V working under a duly licensed electrical worker 	-	C3

B.1.2: Electric Supply Lines Workers

Licence Class	Minimum Academic Qualification	Professional Qualification and Experience	Professional Registration	Highest Achievable Licence Class
Class L4	KCSE	<ul style="list-style-type: none"> • Bachelor of Science degree in Electrical Engineering or equivalent qualification. • Bachelor of Technology degree in Electrical Engineering or equivalent qualification. • Training in Power Line Construction, Operation and Maintenance of Power and Distribution Transformers from an accredited institution. 	Registered as a Professional Engineer by EBK	L4
		<ul style="list-style-type: none"> • Upgrading from L3 after two years of verifiable practice with L3 Licence. 		
Class L3	KCSE	<ul style="list-style-type: none"> • Bachelor of Science Degree in Electrical Engineering or equivalent qualification. • Bachelor of Technology degree (in Electrical Engineering) or equivalent qualification. • Training in Power Line Construction, Operation and Maintenance of Power and Distribution Transformers from an accredited institution. 	Registered as a graduate engineer by EBK	L4
		<ul style="list-style-type: none"> • Technologist degree (in Electrical Engineering). or equivalent qualification. • Higher National Diploma in Electrical Engineering 	Registered by KETRB as an engineering technologist or technician.	L4
		<ul style="list-style-type: none"> • Upgrading from L2 after two years of verifiable practice with L2 Licence 	-	L4
Class L2	KCSE	<ul style="list-style-type: none"> • Diploma in Electrical Engineering • Training in Power Line Construction and Maintenance from an accredited institution 	-	L4

B.1.2: Electric Supply Lines Workers				
Licence Class	Minimum Academic Qualification	Professional Qualification and Experience	Professional Registration	Highest Achievable Licence Class
		<ul style="list-style-type: none"> • Upgrading from L1 after two years of verifiable practice with L1 Licence • Training in Power Line Construction and Maintenance from an accredited institution 	-	L4
Class L1	KCSE	<ul style="list-style-type: none"> • Electrical Craft Certificate • Training in Power Line Construction and Maintenance from an accredited institution 	-	L3
	KCPE	<ul style="list-style-type: none"> • Electrical Artisan Certificate (Trade Test Grade II) • Training in Power Line Construction and Maintenance from an accredited institution 	-	L2

B.1.2: Special Electrical Installations Workers				
Licence Class	Minimum Academic Qualification	Professional Qualification and Experience	Professional Registration	Highest Achievable Licence Class
Class S1	KCPE	<ul style="list-style-type: none"> • Electrical Artisan, Trade Test Grade II, Electrical Installation Technician II and any recognized equivalent. • Training in installation of electrical generators. • Verifiable work experience working on generators at consumer premises. 	-	S1
Class S2	KCPE	<ul style="list-style-type: none"> • Electrical Artisan, Trade Test Grade II, Electrical Installation Technician II and any recognized equivalent. • Training in electrical installations for lifts and escalators • Verifiable work experience working on lifts, elevators or escalators projects. 	-	S2

B.1.2: Special Electrical Installations Workers				
Licence Class	Minimum Academic Qualification	Professional Qualification and Experience	Professional Registration	Highest Achievable Licence Class
Class S3	KCSE	<ul style="list-style-type: none"> • Diploma in electrical engineering • Training in electrical installations for hazardous or potentially explosive areas. • Verifiable work experience working on five lifts, elevators or escalators projects. 	-	S3
Class S4	KCSE	<ul style="list-style-type: none"> • Diploma in electrical engineering • Training in installation of electric vehicles supply equipment (EVSE) and battery swapping facilities. • Verifiable work experience working on electric vehicles charging infrastructure. 	-	S4

B.2: Renewal Applications Requirements

1. Duly filled application form documenting all requirements.
2. Licence application fees
3. Copy of national identification card.
4. Report of continuing technical trainings and experience.

THIRD SCHEDULE (r. 8(1), 10(2), 11(1), 12(1))
APPLICATION, GRANT AND RENEWAL FEES

Table 1. Fees for Certificates of Electrical Workers

Class of Certificate	Fees in Kenya Shillings in Respect of			
	Application for Certificate Fees	Annual Licence Fees	Three Years Licence Fees	Licence Replacement Fees
Class L4	2,000	2,000	6,000	500
Class L3	1,500	1,000	3,000	500
Class L2	1,000	750	2,250	500
Class L1	500	500	1,500	500
Class C4	1,000	2,000	6,000	500
Class C3	750	1,000	3,000	500
Class C2	500	750	2,250	500
Class C1	250	500	1,500	500
Class S1	1,000	2,000	6,000	500
Class S2	1,000	2,000	6,000	500
Class S3	1,000	2,000	6,000	500
Class S4	1,000	2,000	6,000	500

Table 2. Licence Fees for Electrical Contractors

Class of Licence	Fees in Kenya Shillings in Respect of			
	Application for Licence	Annual Licence Fees	Three Years Licence Fees	Licence Replacement Fees
Class L4	5,000	5,000	15,000	1000
Class L3	3,000	3,000	9,000	1000
Class L2	2,000	2,000	6,000	1000
Class L1	1,000	1,000	3,000	1000
Class C4	1,000	5,000	15,000	1000
Class C3	750	3,000	9,000	1000
Class C2	500	2,000	6,000	1000
Class C1	250	1,000	3,000	1000
Class S1	1,000	5,000	15,000	1000
Class S2	1,000	5,000	15,000	1000
Class S3	1,000	5,000	15,000	1000
Class S4	1,000	5,000	15,000	1000

FOURTH SCHEDULE [r. 8(2), 8(3),11(1), 12(2)]

CERTIFICATE AND LICENCE APPLICATION FORMS

FORM 001: APPLICATION FOR A CERTIFICATE FOR AN ELECTRICAL WORKER

The Director General
Energy and Petroleum Regulatory Authority
P.O. Box 42681- 00100, GPO
NAIROBI

I hereby apply to be licensed as a Class electrical worker in accordance with the Energy (Electricity Supply) Regulations, 2021, and commit to carry out all electrical installation work in compliance with the **Energy Act, No 1of 2019** and any Regulations for the time being in force therein.

Name in full.....
First Name Middle Name Surname

P. O. Box Postal Code Town
Mobile No. Email
Date of Birth ID/Passport No. Nationality.....

Name and address of present employer, (if any)
.....
Title of present job

Experience and Qualifications-

Details of educational qualifications and examinations passed
.....
(b) Details of apprenticeship
(c) Experience in the work of an electrical worker

Knowledge of Regulations:

Current Edition of Kenya Wiring Regulations (KS 662) Yes/No
Occupational Health and Safety Act Yes/No
The Energy (Electricity Supply) Regulations, 2021 Yes/No
Details of electrical installation certificate held (if any)
Certificate No..... Issued on.....
Issued by.....

I have paid Kenya Shillings. being the application fee.
Payment Reference No..... dated

I declare that the particulars given above are true and correct

Signature of Applicant Date.....

REFEREES

Provide details of two referees who know your ability in the trade.

1st Referee

Name in full.....

First Name Middle Name Surname

P. O. Box Postal Code Town

Mobile No. ID/Passport No.

Electrical installation certificate No.

Position held at present.....

2nd Referee

Name in full.....

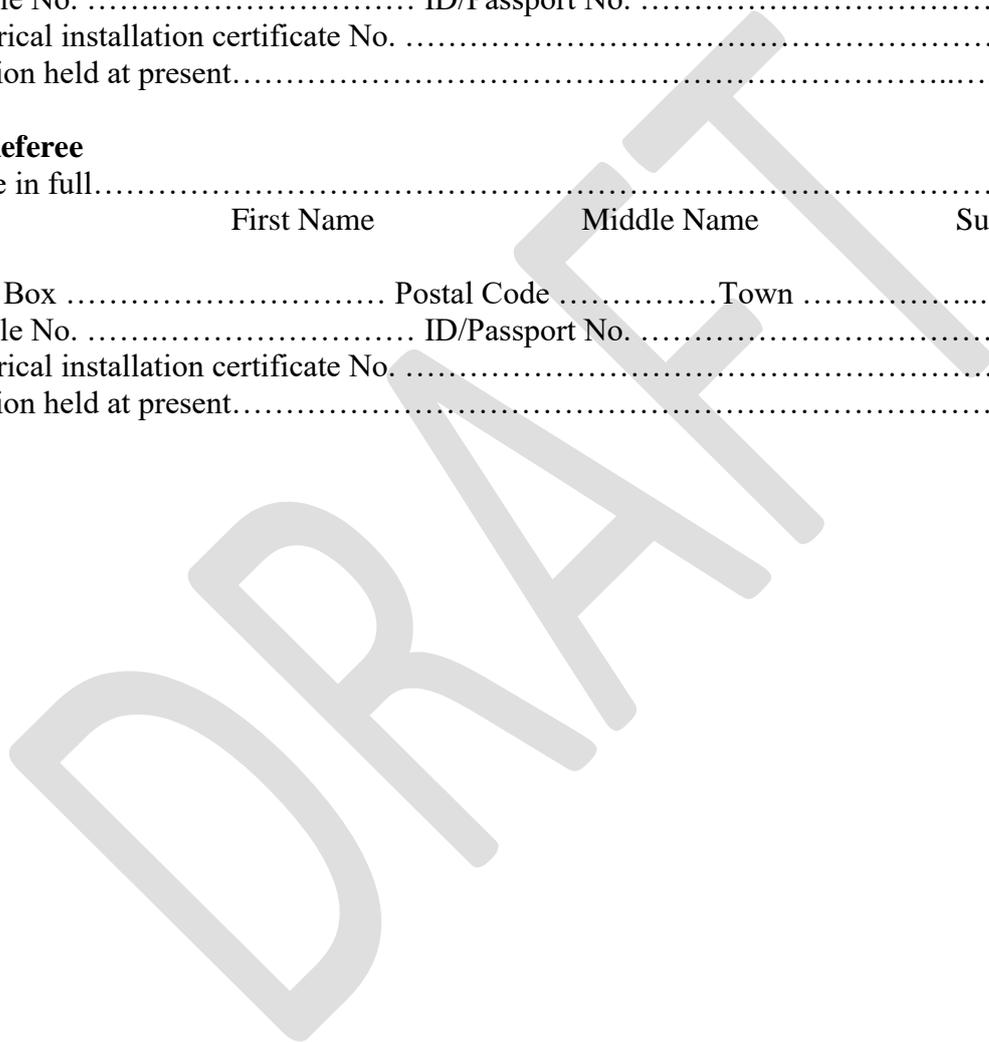
First Name Middle Name Surname

P. O. Box Postal Code Town

Mobile No. ID/Passport No.

Electrical installation certificate No.

Position held at present.....



FORM 002: APPLICATION FOR A LICENCE FOR AN ELECTRICAL CONTRACTOR

The Director General
Energy and Petroleum Regulatory Authority
P.O. Box 42681- 00100, GPO
NAIROBI

I/We.....
hereby apply to be licensed as a Class electrical contractor in accordance with the Energy (Electricity Supply) Regulations, 2021. I/we intend to conduct the business from premises occupied by me/us and described below:

Description of the premises:

Town..... Location/Road.....

Name of the Building.....

Details of Business

Business registration No. and date.....

P. O. Box Postal Code Town.....

Telephone/Mobile Email.....

Names of partners / directors, their addresses and nationalities

.....
.....
.....

Licensed electrical worker(s) who will supervise the electrical installation work:

Full names of electrical worker	Certificate No
(1).....
(2).....
(3).....

Previous experience in electrical installation work

.....
.....
.....

Name and address of bank(s) or financial institution(s) where the business account(s) is/are maintained

.....

Details of the tools and measuring and testing instruments available:

(a) List of tools

Description of Tools and Equipment

(i)
(ii)
(iii)

(b) List of Testing Instruments

Description	Make	Serial No.
(i)
(ii)
(iii)
(iv)

I/We hereby apply for licensing of the above mentioned Electrical Contractor in accordance with the Energy (Electricity Supply) Regulations, 2021 and undertake to carry out all work in strict compliance with the Energy Act No 1 of 2019 and any Regulations for the time being in force thereunder.

Payment Reference No..... dated
For KShs. being the application fee.

I declare that the particulars given above are true and correct.

Signature of Applicant Date.....

Attach copies of

- (i) Business Registration Certificate or Certificate of Incorporation and CR12 (where applicable)
- (ii) Licensed Electrical Worker Certificate
- (iii) Contract with Electrical Worker witnessed and commissioned by a Commissioner for Oath, if applicable
- (iv) Office lease agreement or proof of ownership
- (v) PIN Certificate
- (vi) Valid Business Licence/Permit
- (vii) Valid Tax Compliance Certificate
- (viii) Route Sketch to your premises.

FORM 003: APPLICATION FOR REPLACEMENT OF CERTIFICATE /LICENCE

APPLICANT DETAILS	
Type of Licence (Electrical Worker or Electrical Contractor)	
Certificate/ Licence Number	
Name of Worker/Contractor	
Company Registration No. / National ID No (or passport).	
Telephone Number	
Email address	
Postal Address	
REASON FOR REPLACEMENT AND DECLARATION	
<p>I do solemnly and sincerely declare that a replacement certificate/licence is required because (state reason for loss):</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>And I make this solemn declaration by virtue of the Oaths and Statutory Declarations Act (Cap 15 of the Laws of Kenya) and conscientiously believing the statements contained in this declaration to be true in every particular. I acknowledge that a person willfully making a false statement in a statutory declaration is guilty of an offence and is liable to a penalty or imprisonment or both</p> <p>Declared at (place) on (date)</p> <p>Signature of Declarant Signature of Witness.....</p> <p>Name & Phone number of Witness</p> <p>.....</p> <p><i>Note: This declaration may be witnessed by anyone aged 18 years or over.</i></p> <p><u>Supporting Documents to accompany the application/declaration.</u></p> <ul style="list-style-type: none"> (i) Copy of national identification card or passport (for electrical workers) (ii) CR12 form that is not more than 6 month old (for electrical contractors) (iii) Police Abstract (iv) Evidence of payment of certificate/licence replacement fees 	

FIFTH SCHEDULE (r. 17(1))

GUIDELINES FOR NETWORK CONNECTIONS

This Schedule sets out procedures for connecting the premises of any consumer to the distribution or transmission network of any licensee (hereinafter referred to as the network), for any purpose.

Information to be provided by an applicant

1. (1) A person requiring connection to the network of any Connection Service Provider pursuant to **Regulation 17** shall file his application with the Connection Service Provider, detailing the information set out below:
 - (i) Name and contact details of the applicant.
 - (ii) Description and address of the premises where connection is required, including a site location plan showing the site boundary and a site layout plan, drawn to a suitable scale.
 - (iii) A reasonable date by which the connection is required.
 - (iv) The purpose for which the connection is required, and where applicable, as detailed in the Grid Code.
 - (v) Any other relevant information as required by the Connection Service Provider to facilitate the connection.
- (2) The Connection Service Provider may prescribe the form to be filled by the applicant.

Processing of an application

1. **Budget Estimates:** If the applicant makes an enquiry of a provisional nature, the Connection Service Provider may provide an indication of the charge for providing the connection in a Budget Estimate. Any estimate that is provided at this stage will be the result of a preliminary assessment only and need not be accepted by the applicant. The budget estimate is not binding on either party.
2. **Feasibility Studies:** For more complex connections, the Connection Service Provider may at the request of the applicant undertake a feasibility study to consider a number of options for connection and provide budgetary estimates for each option. Any cost estimate at this stage need not be accepted by the applicant
3. **Connection Offers:** An applicant need not to have requested a Budget Estimate or Feasibility Study before making a request for a Connection Offer. Upon application for a connection, the request may be dealt with in three key stages set out below:
 - (i) *Stage 1:* Upon satisfaction that all the required information has been provided the Connection Service Provider will process the application as set out below.
 - (ii) *Stage 2:* The Connection Service Provider shall take into account the location of the premises for which the connection is required, its proximity to the existing

		<p>network and the available capacity in the network to provide the required connection.</p> <p>(iii) <i>Stage 3:</i> The Connection Service Provider will issue a formal Connection Offer to the applicant detailing the works to be carried out, connection charges, offer validity period and any other terms and conditions to be fulfilled before the connection is made. It should be noted that the cost provided by the Connection Service Provider at this stage may vary considerably from any previous budgetary estimate.</p>
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SIXTH SCHEDULE [r.21(1)]

MINIMUM REQUIREMENTS OF THE CUSTOMER SERVICE CHARTER

The following information shall be contained in the Connection Service Provider's Customer Service Charter:

1. A comprehensive outline of the different types of electrical connections that the Connection Service Provider offers and a timeframe for when the connection will be made.
2. An outline of the payment terms within which the Customer should pay for the electrical supply.
3. An outline of the obligations of the Connection Service Provider to the customer. This includes information on the quality of electrical energy supply to the customer and the Connection Service Provider's obligations in the event of a planned or unplanned interruption.
4. An outline of the complaints procedures available to the customer.
5. An outline of compensation procedures that shall be followed once a claim for a breach has been made by a Customer.
6. An outline of the customer's obligations in relation to all new connections and the Customers obligations in relation to the maintenance of the connection.
7. An outline of how Customers can provide the Connection Service Provider with feedback and suggestion on the quality of electrical energy supply.
8. An outline of all the Connection Service Provider 's contact information.

SEVENTH SCHEDULE (r.24(2), 24(3))
CERTIFICATES FOR ELECTRICAL INSTALLATIONS

FORM 004: COMMENCEMENT OF WORK NOTICE

No.....

To:

.....
.....
(Name and address of the Authority)

In accordance with the Energy (Electricity Supply and Installation Work) Regulations, 2022,
I/We.....

.....
.....

(Name and address of Electrical Contractor)

hereby give notice that I/we propose to carry out the following work as under:

for.....

(Name of consumer)

of.....

(Address of consumer)

at.....

(Situation of Property)

of land office reference No.....

Details of Installation:

Nature of work: new installation/addition/modification of an existing installation.

(Delete where not applicable)

Nature of installation (new, addition or modification)

Type of supply (Single or Three phase)

Supply voltage (Low, Medium or High)

GPS coordinates of the premises

Connection Service Provider Ref. No.

Proposed situation of meter-boards(s) in the case of a new installation or if the site of an existing board is to be changed will be

A service line is/is not required.....

I/we have Electrical Contractors Licence No.....

Class..... valid for the current year

Date.....

Signature of Electrical Contractor

NOTE - Any person who submits a Certificate which is false in any material particular is liable to prosecution under the Energy Act of 2019 and the Energy (Electricity Supply and Installation Work) Regulations of 2023.

**FORM 005: COMPLETION CERTIFICATE
FOR CONSUMER INSTALLATIONS AND SPECIAL INSTALLATIONS**

No.....

To:

.....

(Name and address of electricity supplier)

In accordance with the Energy (Electricity Supply and Electrical Installations Work) Regulations, 2022,

I/We

.....

(Name and address of Electrical Contractor)

Holding Licence No.....class, hereby give notice that the under-mentioned work in connection with the installation of the premises of:

Name.....

Address..... is now completed and ready for testing and connection.

A service line is/is not required:

Details of Installation:

Nature of installation (new, addition or modification)

Type of supply (Single or Three phase)

Supply voltage (Low, Medium or High)

GPS coordinates of the premises

Specific description of the Installation

.....

The work has been carried out, inspected and tested and is in compliance with the Energy (Electricity Supply and Electrical Installations Work) Regulations, 2023 and applicable electrical installation standards.

The electrical test values are as follows:

No.	Inspection/test	Finding/value	Remark
1	Inspection		
2	Polarity tests		
3	Continuity tests		
4	Earth resistance test value		
5	Insulation resistance test value		
6	Other tests (specify)		

(Add rows for any additional tests as appropriate)

Name of licensed electrical worker in charge.....
Class of certificate held..... Certificate No.....
.....

I/We confirm that the test values are in compliance with KS 662-2018 and certify that the electrical installation is ready for energization.

Signatures of

Licensed electrical worker in charge Date.....

Electrical Contractor/Worker..... Date.....

(For office use by the electricity supplier)

Connection order No.....

NOTE - Any person who submits a Certificate which is false in any material particular is liable to prosecution under the Energy Act of 2019 and the Energy (Electricity Supply and Installation Work) Regulations of 2023.

DRAFT

EIGHTH SCHEDULE [25(2)]

FORM 006: DEFECTIVE INSTALLATION NOTICE

<<Letter head of Connection Service Provider including address>>			
RE: Defective Installation Notice			
Date			
Customer Name		Meter No/Account No	
Supply Ref No		Completion Certificate No	
Location			
Dear Customer			
This is to advise that we called at your premises on the ___ day of 20___ for the purposes of inspecting and testing:			
<input type="checkbox"/>	Electrical installations	<input type="checkbox"/>	Meters
<input type="checkbox"/>	Connection to additional loads	<input type="checkbox"/>	Others (specify)
The following are findings from our visit:			
Your supply installation was found to be defective in regard to:			
	i.		
	ii.		
	iii.		
As a result:			
<input type="checkbox"/>	Your power supply was disconnected in accordance with the terms governing your Electricity Supply Contract, and in accordance with the provision of Sub-section 151(3) of the Energy Act of 2019 and Regulation 24 and 25 of the Energy (Electricity Supply and Installation Work) Regulations of 2023.		
<input type="checkbox"/>	You are required to engage a licensed electrical contractor to regularize the issues identified and contact the undersigned to arrange for inspection and testing.		
<input type="checkbox"/>	A check meter shall be installed, meter(s) replaced at your cost not less than 2 days from the date of this notice or on such earlier date as you may authorize.		
For further information, please contact:			
Name:			
Telephone:			
Physical Address:			

Dated:		Time:	
Inspector's Name:		S/No:	
Designation:		Signature:	

NINTH SCHEDULE [(r. 26(1), 26(2))]

PERIODIC INSPECTIONS AND TESTING OF INSTALLATIONS

Type of installation	Maximum period between inspections and testing of installations
Domestic accommodation (General)	10 years
Domestic accommodations (Rented houses and flats)	5 years
Commercial premises	Change of occupancy/5years
Educational establishments	5 years
Laboratories, Hospitals and Clinics	5 years
Industrial premises	3 years
Cinemas and Theatres	3 year
Churches, mosques, temples	5 years
Leisure complexes (excluding swimming pools)	3 year
Swimming pools	1 year
Places of public entertainment	3 year
Agricultural and horticultural	3 years
Caravans	3 years
Caravan parks/sites	1 year
Emergency lighting	3 years
Fire alarm systems	1 year
Launderettes & Laundry	1 year
Petroleum service stations	1 year
Public Houses	5 years
Marinas	1 Year
Highway power supplies/ Street lights	2 years
Construction site/Temporary installation	3 months
Electric vehicle charging stations	1 year
Offices	5 years
Shops	5 years
Restaurants and hotels	5 years
Village halls/Community Centres	5 years
Fish farms	1 year

- In this Schedule, “domestic premises” means premises used wholly or mainly for domestic purposes
- Within two years of coming into force of these Regulations, all installations which are due for inspections shall be inspected and tested.

FORM 007: PERIODIC INSPECTION AND TEST CERTIFICATE

A: DETAILS OF THE PERSON ORDERING THE INSPECTION AND TESTING			
Name			
Physical Address		Postal Address	
Telephone		Email	
B: DETAILS OF THE INSTALLATION			
Occupier/Owner			
Physical Address			
Postal Address			
Email		Telephone	
Type of Premises (Domestic, Commercial, Industrial, other.)		Estimated age of wiring system (years)	
Evidence of additions or alterations? (Yes/No)		Installation records available? (Yes/No)	
Date of last inspection		Power Utility Account Number (as applicable)	
C: EXTENT AND LIMITATIONS OF INSPECTION AND TESTING			
Extent of the electrical installation covered by this certificate			
Agreed limitations including the reasons(s)			
<i>It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.</i>			
D: SUMMARY OF THE CONDITION OF THE INSTALLATION & RECOMMENDATIONS			
General condition (Satisfactory/Unsatisfactory)			
Identified Defects/Observations			
Recommendations/Remedial Actions			
Subject to the necessary remedial action being taken, I / We recommend that the installation is further inspected and tested by <i>(insert date)</i> for the following reasons <i>(give the reasons)</i>			
E: DECLARATION			
I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this certificate provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations indicated section C.			
Inspected and Tested by:			
Name of Electrical Contractor (Inspector)			
Electrical Contractor Class Licence Class and Number			
Signature/Stamp Date			
The attached inspection and test report is part of this document and this certificate is valid only when they are attached to it.			

ELEVENTH SCHEDULE (r.84(1))

CODES AND STANDARDS FOR ELECTRICAL INSTALLATION

Overhead Lines

- 1 KS IEC 60826:2003: Design criteria of overhead transmission lines Scope: specifies the loading and strength requirements of overhead lines derived from reliability-based design principles. These requirements apply to lines 45 kV and above, but can also be applied to lines with a lower nominal voltage. **NEW REVISED VERSION: IEC 60826:2017**
- 2 KS 1876-1:2010: Electrical power transmission and distribution - Overhead power lines for conditions prevailing in Kenya. Part 1: Code of practice Scope: Identifies the various factors to be taken into account in the design and construction of overhead power lines.
- 3 KS 1876-2:2010 Electric power transmission and distribution- overhead power lines for conditions prevailing in Kenya. Part 2: Safety Scope: Specifies the mechanical and electrical safety requirements of Overhead power lines including requirements for supports, the conductor system, clearances and crossings.
- 4 KS 1883:2010 Electrical power transmission and distribution - Overhead power lines - Installation of line conductors.
- 5 KS 1868:2007 Overhead power lines - Loading tests on structures.
- 6 KS IEC 61865:2001 Overhead lines - Calculation of the electrical component of distance between live parts and obstacles- Method of calculation

Underground lines

- 1 KS EAS 811-4:2014 Code of Practice for safety of electrical installations-Part 4:Installation and maintenance of underground electric supply and communication lines. Scope: Specifies safety requirements for the installation and maintenance of underground electric supply and communication lines.

Transmission and Distribution Lines

- 1 KS 1878-0:2010 Electrical power transmission and distribution - Guidelines for the provision of electrical distribution networks in residential areas – Part-0: Definitions.
- 2 KS 1878-1:2010 Electrical power transmission and distribution - Guidelines for the provision of electrical distribution networks in residential areas - Part 1: Planning and design of distribution systems.
- 3 KS 1878-2-3:2010 Electrical power transmission and distribution - Guidelines for the provision of electrical distribution networks in residential areas - Part 2-3: Preferred methods and materials for the installation of overhead power lines.
- 4 KS 1878-3:2010 Electrical power transmission and distribution - Guidelines for the provision of electrical distribution networks in residential areas - Part 3: Overhead distribution in very low, low and moderate consumption areas, including rural areas and informal setting
- 5 KS 1859-5:2010 Electrical power transmission and distribution- High- voltage operating regulations-Part 5: Standard procedure and terminology for the issuing of operating instructions
- 6 KS 1859-2:2010 Electrical power transmission and distribution- High-voltage operating regulations. Part 2: Voltage colour coding diagrammatic displays in control rooms-Colour coding for wall-mounted operating diagrams and electronic displays relating to the generation, transmission and distribution of electricity

- 7 KS 1859-3:2010 Electrical power transmission and distribution- High-voltage operating regulations - Part 3: Model regulations-Recommended model regulations relating to power systems for operating, access control and supervision of systems that exceed 1000 v, distribution of electricity
- 8 KS IEC 61557 Part 1-12 (SAFETY); Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC Equipment for testing, measuring or monitoring of protective measures
- 9 KS 1827:2007 Voltage characteristics of electricity supplied by public distribution systems.

Overhead cables standards:

- 1 KS EAS 111:1999 Aluminium conductors (AAC) for overhead power transmission Specification.
- 2 KS EAS 112:1999 Aluminium conductors, galvanized steel reinforced (ACSR) for overhead power transmission-Specification.

Kenya Wiring Regulations: (Consumer Installations)

- 1 KS 662 Series Part 1-7: Kenya Wiring Regulations
- 2 KS 1587:2007 National electrical safety code.

Treatment of electric poles

- 1 KS 516:2008 Wood poles for power and telecommunication lines - Specification (Second Edition)
- 2 KS EAS 326:2002 Copper / chromium / arsenic composition for the preservation of timber - Specification.
- 3 KS EAS 324:2002 Copper / chromium / arsenic compositions for the preservation of timber - Method for timber treatment.
- 4 KS 94:2020 Preservation of timber – Specification
- 5 KS 1804-5:2018 Wood preservatives Part 5: Field test method for determining the relative protective effect of a wood preservative on wood in contact with the soil.
- 6 KS 2776:2018 Inspection and supplemental treatment of treated wooden utility poles.
- 7 KS 2648: 2016 Health, safety and environmental guidelines for the construction and operation of timber treatment plants.

Insulation co-ordination

- 1 IEC 60071-5:2014 Insulation co-ordination - Part 5: Procedures for high-voltage direct current (HVDC) converter stations
- 2 IEC 60664:2022 Insulation coordination for equipment within low-voltage systems - ALL PARTS
- 3 IEC 60664-1:2020 Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests
- 4 IEC TR 60664-2-1:2011 Insulation coordination for equipment within low-voltage systems - Part 2-1: Application guide - Explanation of the application of the IEC 60664 series, dimensioning examples and dielectric testing

- 5 IEC TR 60664-2-2:2002 Insulation coordination for equipment within low-voltage systems - Part 2-2: Interface considerations - Application guide
- 6 IEC 60664-3:2016 RLV Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution
- 7 IEC 60664-4:2005 Insulation coordination for equipment within low-voltage systems - Part 4: Consideration of high-frequency voltage stress

Protection of electrical systems

- 1 KS IEC 60947:2022 SER

Low-voltage switchgear and controlgear - ALL PARTS Selection of cables

- 1 KS IEC 60287 All Parts

Electric Mobility Standards

- 1 KS ISO/TR 8713:2012 Electronically propelled road vehicles – vocabulary
- 2 KS ISO 17409:2015 Kenya Standard — Electrically propelled road vehicles — Connection to an external electric power supply — Safety requirements, First Edition.
- 3 KS ISO 6469-1:2019 Electrically propelled road vehicles-Safety specifications -Part 1: Rechargeable energy storage system (RESS)
- 4 KS ISO 6469-2:2018 Electrically propelled road vehicles-Safety specifications -Part 2: Vehicle operational safety means and protection against failures.
- 5 KS ISO 6469-3:2018 Electrically propelled road vehicles-Safety Specifications-Part 3: Electrical safety
- 6 KS ISO 6469 – 4:2015 Electrically propelled road vehicles – safety specifications part 4: post-crash electrical safety
- 7 KS ISO/PAS 19363:2017 Electrically propelled road vehicles-magnetic field wireless power transfer safety and interoperability requirements
- 8 KS ISO/TR 11955:2008 Hybrid electric road vehicles- guidelines for charge balance measurement.
- 9 KS ISO 12405-4:2018 Electrically propelled road vehicles-Test specification for lithium-ion traction battery packs and systems-Part 4: Performance testing.
- 10 KS ISO/PAS 16898:2012 Kenya Standard — Electrically propelled road vehicles — Dimensions and designation of secondary lithium-ion cells, First Edition
- 11 KS ISO/TR 13062:2015 Electric mopeds and motorcycles – terminology and classification
- 12 KS ISO 13063:2012 Electrically propelled mopeds and motorcycles – safety specifications

FORM 006: COMPETION CERTIFICATE FOR ELECTRIC SUPPLY LINES

No.....

DETAILS OF THE CLIENT/LICENSEE		
INSTALLATION ADDRESS		
DESCRIPTION AND EXTENT OF THE INSTALLATION		
<input type="checkbox"/>	New Installation	Description of Installation:
<input type="checkbox"/>	Addition to an existing installation	Description of Installation (<i>Extent of installation covered by this Certificate</i>):
<input type="checkbox"/>	Alteration to an existing installation	Description of Installation (<i>Extent of installation covered by this Certificate</i>):
FOR DESIGN WORK I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with the Section 151 of the Energy Act of 2019, The Energy (Electricity Supply and Installation Work) Regulations of 2023, electric supply lines design and construction standards, and the terms and conditions of Contract (<i>insert Contract particulars</i>) , except for the departures, if any, detailed as follows:		
Details of departures:		
The extent of liability of the signatory or signatories is limited to the design work for the installation described above as the subject of this Certificate.		
Designer: NameSignature: Date:		

FOR CONSTRUCTION WORK

I, being the person responsible for the construction of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction hereby CERTIFY that the construction work for which I have been responsible is to the best of my knowledge and belief in accordance with Section 151 of the Energy Act of 2019, The Energy (Electricity Supply and Installation Work) Regulations of 2023, electric supply lines design and construction standards, and the terms and conditions of Contract (*insert Contract particulars*) , except for the departures, if any, detailed as follows:

Details of departures:

.....
.....

The extent of liability of the signatory or signatories is limited to the construction work for the installation described above as the subject of this Certificate.

Constructor/Contractor: NameSignature: Date:

FOR INSPECTION AND TESTING WORK

I, being the person responsible for the inspection & testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection & testing hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief in accordance with Section 151 of the Energy Act of 2019, The Energy (Electricity Supply and Installation Work) Regulations of 2023, electric supply lines design and construction standards, and the terms and conditions of Contract (*insert Contract particulars*) , except for the departures, if any, detailed as follows:

Details of departures:

.....
.....

The extent of liability of the signatory or signatories is limited to the inspection and testing work for the installation described above as the subject of this Certificate

A detailed inspection and test report is attached.

Inspector/Contractor: NameSignature: Date:

NOTE - Any person who submits a Certificate which is false in any material particular is liable to prosecution under the Energy Act of 2019 and the Energy (Electricity Supply and Installation Work) Regulations of 2023.

TENTH SCHEDULE [r.28(1)]

PENALTIES FOR NON-COMPLIANCE

Regulation	Default	Penalty/Fine
23(2), 24(8)	Interfering and/or tampering with a meter whilst in the premises of the consumer upon whose premises the meter was placed	A fine not exceeding fifty thousand shillings or to imprisonment for a term not exceeding two years or to both.
5(1) and 5(2)	A person undertaking electrical installation work without being an electrical worker qualified for such work or not being under the supervision of a qualified electrical worker.	A fine not exceeding one hundred thousand shillings or to a term of imprisonment not exceeding six months or to both.
5(2)	A consumer (owner or occupier) who permits a person who is not duly authorized as an electrical worker or contractor to carry out electrical installation work in his premises.	A fine not exceeding fifty thousand shillings or to a term of imprisonment not exceeding three months or to both
5(1)	A Connection Service Provider who permits a person who is not duly authorized as an electrical worker or contractor to carry out electrical installation work on his behalf.	A fine not exceeding one million shillings or to a term of imprisonment not exceeding six months or to both.
Various	Giving false or misleading information in relation to any electrical installation work;	A fine not exceeding ten million shillings or imprisonment for a term not exceeding five years, or both.
24(2), 24(3)	Submits or causes to be submitted to any Connection Service Provider or to the Authority a Commencement of Work Notice or Completion Certificate which he knows or has reason to believe contains false information;	A fine of fifty thousand shillings for each false completion certificate issued.
27(5)	Submits or causes to be submitted to any Connection Service Provider or power line operator a Completion Certificate which he knows or has reason to believe contains false information;	A fine of one million shillings for each false completion certificate issued.

Regulation	Default	Penalty/Fine
24(3)	Fails or willfully refuses to issue a completion certificate for completed electrical installation work.	A fine of one hundred thousand shillings.
27(5)	Fails or willfully refuses to issue a completion certificate for completed electrical installation work for electric power line.	A fine of one million thousand shillings.
5(1) and 5(2)	Undertakes or carries out by himself, his servant, or agent any electrical installation work at any time whilst his business is not licensed as an electrical contractor or while the licence of such business is suspended or revoked;	A fine not exceeding fifty thousand shillings or to a term of imprisonment not exceeding three months or to both
26	Fails or refuses to conduct periodic inspection and testing as set out under these Regulations	Disconnection of supply or closure of facility