

L.N. _____ of 2024

**REGULATOR FOR ENERGY AND WATER SERVICES ACT
(CAP. 545)**

Electrical Installations (Amendment) Regulations, 2024

IN EXERCISE of the powers conferred by article 37 of the
Regulator for Energy and Water Services Act, the Minister responsible
for energy and water services, after consultation with the Regulator for Energy and
Water Services, has

made the following regulations:-

Citation.

S.L. 545.24.

1. The title of these regulations is the Electrical Installations (Amendment) Regulations, 2024 and these regulations shall be read and construed as one with the Electrical Installations Regulations, hereinafter referred to as "the principal regulations".

Amends regulation 2 of the principal regulations.

2. Sub-regulation (2) of regulation 2 of the principal regulations shall be amended as follows:

(a) immediately after the definition "establishment" thereof there shall be added the following new definition:

" "IET Wiring Regulations" means the Requirements for Electrical Installations issued by the Institution of Engineering and Technology (I.E.T.) - BS 7671 18th Edition, exclusively as published and applicable on 1st July 2018;"
and

(b) the definition "I.E.E. Regulations" thereof shall be deleted.

Amends regulation 5 of the principal regulations.

3. Paragraph (b) of sub-regulation (1) of regulation 5 of the principal regulations shall be substituted by the following new paragraph:

"(b) authorisation B for installation, alteration, extension and certification of single phase electrical installations and three phase electrical installations rated less than 300Amps per phase. The holder of an authorisation B may also carry out

installation, alteration and extension work on three phase electrical installations rated equal to or more than 300Amps per phase but may not certify the said electrical installations."

Amends regulation 6 of the principal regulations.
L.N. _____ of 2024.

4. In sub-regulation (1) of regulation 6 of the principal regulations, the words "the Electricity Supply Regulations" shall be substituted by the words "the Electricity Connection and Supply Regulations, 2024".

Amends regulation 7 of the principal regulations.

5. Immediately after sub-regulation (5) of regulation 7 of the principal regulations there shall be added the following new sub-regulation:

"(6) Any person who applies for the issue of an authorisation in accordance with this regulation shall sit for an interview before the Technical Committee and shall have to be recommended by the Technical Committee before becoming eligible to be issued with the authorisation applied for. In the case that the applicant is not recommended by the Technical Committee following the said interview, the applicant may re-apply to sit for another interview after the lapse of six (6) months from the date of the last interview."

Amends regulation 8 of the principal regulations.

6. Regulation 8 of the principal regulations shall be amended as follows:

(a) sub-regulation (3) thereof shall be substituted by the following new sub-regulation:

"(3) If any authorisation fee payable in accordance with sub-regulation (2) is not paid within thirty (30) days, an additional fee of twelve euro (€12) shall also be due to the Regulator as a late payment fee in addition to the fee due.";

(b) sub-regulation (4) thereof shall be substituted by the following new sub-regulation:

"(4) If the authorisation fee remains unpaid and any documentation required for renewal is not submitted, the Regulator shall inform the authorised provider by registered mail about the failure to pay the said fee and, or to provide the said documents. The authorisation shall be revoked if the authorisation fee remains unpaid and, or the required documents are not submitted after thirty (30) days from the date on which the communication has been sent by registered mail. Any person who has had the authorisation revoked and wants to be re-issued with an authorisation shall be required to submit an application for such purpose and to be recommended following an interview before the Technical Committee. In considering any such application, the Regulator may take into account the previous failure of the applicant to pay the authorisation fee and, or to submit the required renewal documents and of any explanation regarding that failure which the applicant may submit to the Regulator:

Provided that it shall be the duty of the authorised provider to make available to the Regulator the correct contact details or to accept or collect the registered mail. Failure to provide the said correct contact details or to accept or to collect the registered mail shall exonerate the Regulator from contacting the said authorised provider by registered mail. In such cases, the Regulator shall publish on its website a notice directed to the authorised provider in lieu of the registered mail.";

(c) sub-regulation (5) thereof shall be deleted; and

(d) sub-regulation (6) thereof shall be substituted by the following new sub-regulation:

"(6) The Regulator may publish on its website a notice containing the names and details of authorised providers whose authorisation has been revoked.".

Amends regulation 11 of the principal regulations.

7. Regulation 11 of the principal regulations shall be amended as follows:

(a) sub-regulation (1) thereof shall be amended as follows:

(i) the words "suspend the authorisation for a determinate period of time for the following breaches" shall be substituted by the words "revoke the authorisation or may suspend the authorisation for a determinate period of time for any of the following breaches";

(ii) paragraph (d) thereof shall be substituted by the following new paragraph:

"(d) failure to rectify any non-compliance of an electrical installation or electrical equipment pursuant to a written warning issued by the Regulator, any other authority or by a distribution system operator;"

(iii) paragraph (e) thereof shall be substituted by the following new paragraph:

"(e) failure to pay any fee due in accordance with these regulations;"
and immediately after there shall be added the following new paragraph:

"(f) failure to comply with any direction issued by the Regulator.";
and

(b) immediately after sub-regulation (2) thereof there shall be added the following new sub-regulation:

"(3) A person whose authorisation has been revoked shall be required to re-apply for the authorisation and to sit for an interview so as to be recommended by the Technical Committee to be re-issued with an authorisation:

Provided that a re-application for the issue of an authorisation after a revocation in accordance with this regulation may only take place after the lapse of six (6) months from the date of revocation of the authorisation by the Regulator."

Amends regulation 13 of the principal regulations.

8. Regulation 13 of the principal regulations shall be amended as follows:

(a) in paragraph (a) of sub-regulation (1) thereof, the words "I.E.E. Regulations - BS 7671 latest edition;" shall be substituted by the words "IET Wiring Regulations;"; and

(b) sub-regulation (2) thereof shall be substituted by the following new sub-regulation:

"(2) Unless otherwise specified in these regulations, electrical installations shall comply with the Requirements for Electrical Installations issued by the Institution of Engineering and Technology (I.E.T.) - BS 7671 18th Edition exclusively as published and applicable on 1st July 2018, and with generally accepted principles of good design and safe practices:

Provided that the installation of Surge Protection Devices (SPDs) shall not be mandatory."

Amends regulation 15 of the principal regulations.

9. In regulation 15 of the principal regulations, the words "warranted electrical engineer." shall be substituted by the words "warranted electrical engineer holding an Authorisation B."

Amends regulation 20 of the principal regulations.

10. Regulation 20 of the principal regulations shall be amended as follows:

(a) sub-regulation (4) thereof shall be substituted by the following new sub-regulation:

"(4) An overvoltage protective device to detect and protect against sustained overvoltage shall be installed immediately after the main double pole switch fuse or circuit breaker.";

(b) sub-regulation (5) thereof shall be substituted by the following new sub-regulation:

"(5) One (1) or more residual current devices protecting individual sub-circuits separately, with means for periodic inspection and with an operating current of 30mA to earth shall be installed immediately after the overvoltage protection device.

Provided that in the case of a multi-customer facility it shall be acceptable to install a residual current device with an operating current of not more than 100mA near the metering point immediately after the overvoltage protection device followed by a residual current protection device or more with an operating current of 30mA protecting individual sub-circuits separately each with an operating current of 30mA, at the supply intake point in the customer's premises or to circuits supplying electricity in common parts or adjacent domestic garages:

Provided further that where in the opinion of the authorised provider the unintended interruption of supply gives rise to greater risks, such as the de-energising of life support equipment, alternative arrangements for the sub-circuit supplying such equipment may be made by the authorised provider:

Provided further that in the case of circuit-specific loads with high earth leakage currents, such as in the case of circuits supplying electronic equipment, which may cause unintended interruptions of supply, a residual current protection device with an operating current higher than 30mA, as recommended by the manufacturer, which shall not however exceed 300mA, may be used to protect that specific load only, with any other parallel and, or downstream sub-circuits, in particular, those circuits supplying electrical loads accessible to users to be protected by one (1) or more residual current devices with an operating current of 30mA. Cables supplying specific loads protected by a residual current device with an operating current exceeding 30mA shall be laid in metal conduit or metal trunking. A metallic armoured cable may also be used as an alternative to the aforementioned arrangement."; and

(c) sub-regulation (6) thereof shall be substituted by the following new sub-regulation:

"(6) In the case of electrical installations in multi-consumer facilities referred to in sub-regulation (5), the circuit between the main switch fuse or circuit breaker and the individual customer's premises shall consist of separate and

independent main supply cables run in protective conduit or in a trunking system dedicated for electricity supply wiring, to the individual customer's premises. Separate and independent metallic armoured cable may also be used as an alternative to the aforementioned arrangement."

Amends regulation 21 of the principal regulations.

11. Regulation 21 of the principal regulations shall be amended as follows:

(a) sub-regulation (2) thereof shall be substituted by the following new sub-regulation:

"(2) The supply intake shall be adequately protected by, but not limited to:

(a) an over current device;

(b) An overvoltage protective device that detects and protects against sustained overvoltage shall be installed immediately after the main switch fuse or circuit breaker;

(c) a residual current device with sub-circuits supplying electrical loads accessible to users to be protected by a 30mA residual current device."; and

(b) immediately after sub-regulation (2) thereof there shall be added the following new sub-regulations:

"(3) Fuses and circuit breaker devices shall be graded to provide over current discrimination with the fuses provided by the electricity supply service.

(4) The main switch fuse or circuit breaker shall be mechanically linked so as to effect simultaneous disconnection of all live conductors phases and neutral.

Amends regulation 22 of the principal regulations.

12.

Paragraph (a) of regulation 22 of the principal regulations shall be substituted by the following new paragraph:

"(a) providing an independent connection to earth through one (1) or more earth electrodes as deemed appropriate, suitably installed and tested, solidly connected by means of an insulated and mechanically protected copper conductor cable of adequate cross sectional area, which shall be of not less than 16mm², to the main earthing terminal to which the protective conductor of the electrical installation shall be connected;"

Adds new regulation to the principal regulations.

13. Immediately after regulation 22 of the principal regulations there shall be added the following new regulation:

"Protection
measures for
electrical
installations
extensions.
L.N. ____ of
2024.

22A. The authorised provider shall ensure that where the electrical installation is extended outside the boundaries of a building unit and where this is allowed in accordance with the Electricity Connection and Supply Regulations, 2024, the electrical extension shall be provided with:

(a) where the electrical extension from a building unit is used to supply a private garage, a manual mechanical means of isolation of all phases and neutral wire shall be provided in an accessible position and immediately after the entrance of the garage. The wiring of the extension leading to the garage shall pass only through common areas;

(b) where the electrical installation is extended outside the boundaries of a building unit to supply outside facilities or equipment, a manual mechanical means of isolation of all phases and neutral wire shall be installed on the outside wall of the building unit in the immediate vicinity of the area or equipment being serviced. The isolation means shall not be of the remotely electrically operated type:

Provided that the wiring of the extension shall:

(a) be supplied through a dedicated circuit provided with the necessary protection;

(b) be provided with the appropriate mechanical protection;

(c) not be of obstruction in any way;

(d) be clearly indicated and documented if buried:

Provided further that the earthing system of any conductive structures or street furniture located within two meters (2m) from the area or equipment being supplied from the premises shall be bonded with the earthing system of the said premises. The testing of the earthing system bonding shall be part of the routine testing of the electrical installation of the premises including the extension.

(c) where the electrical installation of a building unit forming part of a building block is extended to connect electrical equipment on the roof of the same building block within which the building unit is physically located but not internally physically interconnected with the roof, the said extension shall be:

(i) supplied through a dedicated circuit or circuits provided with the necessary protection;

(ii) provided with a manual mechanical means of isolation of all phases and neutral wire provided in the common area leading to the roof and located next to the electricity service meters supplying the units in the block. The isolation means shall not be of the remotely electrically operated type;

(iii) the earthing system of the building unit which is not physically interconnected to the common area of the building block shall be linked to the earthing system of the block. The testing of the earthing system bonding shall be part of the routine testing of the electrical installations physically found within the block;

(iv) the means of isolation shall be properly labelled and documented to indicate the sources of supply and the location of the electrical equipment serviced. The earthing system bonding shall be properly labelled and documented."

Substitutes regulation 23 of the principal regulations.

14. Regulation 23 of the principal regulations shall be substituted by the following new regulation:

L.N. ____ of 2023. "23. (1) The authorised provider shall ensure that motor loads above 1.5kW are in compliance with the Electricity Connection and Supply Regulations, 2024.

(2) Devices inhibiting automatic re-starting of motors shall be provided wherever in the opinion of the authorised provider the said restart may cause danger or damage to equipment.

(3) Equipment with three phase motors shall be provided with phase failure protection and with incorrect phase sequence protection where in the opinion of the authorised provider an incorrect phase sequence may cause danger or damage to equipment."

Amends regulation 24 of the principal regulations.

15. Immediately after sub-regulation (4) of regulation 24 of the principal regulations there shall be added the following new sub-regulation:

"(5) If any non-compliance with these regulations or malpractice results from the inspection and, or testing of the electrical installation, the costs incurred by the Regulator for carrying out the inspection and, or testing shall be borne by the authorised provider or the warranted engineer, as the case may be, which shall be due as a civil debt to the Regulator."

Amends regulation 26 of the principal regulations.

16. Regulation 26 of the principal regulations shall be amended as follows:

(a) sub-regulation (1) thereof shall be substituted by the following new sub-regulation:

"(1) The Regulator shall keep a register of authorisations, which shall be made public in part or in its entirety and which shall include records of all authorisations granted in accordance with these regulations."; and

(b) paragraph (a) of sub-regulation (2) thereof shall be substituted by the

following new paragraph:

"(a) name, surname and identity card number or identity document number or passport number of the authorised provider;"

Amends the Second Schedule to the principal regulations.

17. The Second Schedule to the principal regulations shall be amended as follows:

(a) the word "I.E.E.", wherever it occurs, shall be substituted by the words "IET Wiring Regulations"; and

L.N. ____ of 2024.

(b) in item (d) thereof, the words "by the Electricity Supply Regulations" shall be substituted by the words "by the Electricity Connection and Supply Regulations, 2024".