

Electricity (Electrical Workers) Regulations 2002

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THE SCHEDULE Fees

No. S 602

ELECTRICITY ACT (CHAPTER 89A)

ELECTRICITY (ELECTRICAL WORKERS) REGULATIONS 2002

In exercise of the powers conferred by section 103 of the Electricity Act, the Energy Market Authority of Singapore, with the approval of the Minister for Trade and Industry, hereby makes the following Regulations:

Citation and commencement

1. These Regulations may be cited as the Electricity (Electrical Workers) Regulations 2002 and shall come into operation on 1st December 2002.

Definitions

2. In these Regulations, unless the context otherwise requires —

“authorised high voltage switching engineer” means a licensed electrical engineer who is —

- (a) authorised by the Authority to operate a high voltage apparatus; and
- (b) employed or appointed by the licensee of the electrical installation of which the high voltage apparatus forms a part to be in charge of or to control such apparatus;

“voltage” means —

- (a) an electro-motive force between any pair of conductors forming part of an electrical circuit or between any part of either conductor and Earth; and
- (b) in the case of alternating current, the virtual voltage or root mean square value (or the square root of the mean or average value of the squares of the instantaneous values) of the voltage during the complete cycle.

Classes of licence

3. There shall be 3 classes of electrical worker licences as follow:

- (a) the electrician's licence;
- (b) the electrical technician's licence; and
- (c) the electrical engineer's licence.

Qualifications

4.—(1) An electrician's licence may be issued to any person who —

- (a) satisfies the Authority that he —
 - (i) possesses a National Technical Certificate which curriculum is relevant to the electrical work which an electrician is authorised to perform under regulation 5(1), or such other qualification as may be acceptable to the Authority; and
 - (ii) has not less than 2 years' practical experience relevant to the electrical work which an electrician is authorised to perform under regulation 5(1); or

- (b) had been registered as an electrical contractor by the Public Utilities Board before 1st January 1975.

(2) An electrical technician's licence may be issued to any person who satisfies the Authority that he —

- (a) possesses a technician diploma majoring in electrical power engineering relevant to the electrical work which an electrical technician is authorised to perform under regulation 5(2), or such other qualification as may be acceptable to the Authority; and
- (b) has not less than 2 years' practical experience relevant to the electrical work which an electrical technician is authorised to perform under

regulation 5(2).

(3) An electrical engineer's licence may be issued to any person who satisfies the Authority that he —

- (a) is a registered professional engineer in electrical engineering under the Professional Engineers Act (Cap. 253); and
- (b) has not less than 2 years' post-graduate experience in electrical power engineering relevant to the electrical work which an electrical engineer is authorised to perform under regulation 5(3).

Authority conferred by licence

5.—(1) The holder of an electrician's licence shall, subject to any condition imposed by the Authority under regulation 8(3), be entitled to —

- (a) design, install, repair, maintain, operate, inspect and test an electrical installation where the operating voltage of such installation does not exceed 1,000 volts and the approved load of such installation does not exceed 45 kVA, except that the limitation of 1,000 volts shall not apply in the case of an Electric Discharge Lighting Circuit;
- (b) install, repair, maintain and operate, under the supervision of an electrical technician, an electrical installation where the operating voltage of such installation does not exceed 1,000 volts and the approved load of such installation is more than 45 kVA but does not exceed 500 kVA; and
- (c) carry out any work as instructed by or under the supervision of an authorised high voltage switching engineer.

(2) The holder of an electrical technician's licence shall, subject to any condition imposed by the Authority under regulation 8(3), be entitled to —

- (a) install, repair, maintain, operate, inspect and test an electrical installation where the operating voltage of such installation does not exceed 1,000 volts and the approved load of such installation does not exceed 500 kVA;
- (b) design and submit plans and drawings of an electrical installation where the operating voltage of such installation does not exceed 1,000 volts and the approved load of such installation does not exceed 150 kVA, except that the limitation of 1,000 volts shall not apply in the case of an Electric Discharge Lighting Circuit; and
- (c) carry out any work or switching operation as instructed by or under the supervision of an authorised high voltage switching engineer.

(3) The holder of an electrical engineer's licence shall, subject to any condition imposed by the Authority under regulation 8(3), be entitled to design, install, repair, maintain, operate, inspect, test and take full charge and responsibility for any electrical installation.

Application for licence or renewal of licence

6.—(1) An application for an electrical worker licence or renewal of such licence shall be made to the Authority in such form as may be provided by the Authority and shall be accompanied by the appropriate fee specified in the Schedule.

(2) An application for an electrical worker licence or renewal of such licence shall be accompanied by such testimonials or other evidence of experience, character and competence as the Authority may, either generally or in any particular case, require.

(3) Every fact and document stated or submitted in, or in support of, an application for an electrical worker licence or renewal of such licence, and every expression of opinion so stated shall, if required by the Authority, be verified by a statutory declaration made by the applicant.

(4) An application for the renewal of an electrical worker licence shall be submitted to the Authority not later than one month prior to the date of expiry of the licence.

(5) The Authority may, in its discretion, reject an application for an electrical worker licence from any person whose licence was previously cancelled or suspended.

Fee not refundable

7. No fee paid shall be refunded to an applicant in the event that his application for an electrical worker licence or such renewal of a licence is rejected by the Authority.

Licence to subject to conditions, etc.

8.—(1) Where the Authority approves an application for an electrical worker licence or renewal of a licence, the Authority shall issue the licence to the applicant upon payment by him of the appropriate fee specified in the Schedule.

(2) An electrical worker licence issued by the Authority shall be valid for such period as may be specified therein unless it is earlier cancelled or suspended in accordance with these Regulations.

(3) The Authority may issue an electrical worker licence subject to such conditions as it thinks fit.

(4) The Authority may at any time by notice in writing —