



***POWER
GRID***

A subsidiary of Singapore Power

***ENERGISATION OF SERVICE
CONNECTION***

Energisation of Service Connection

➤ Prior to Energisation

- **Contestable Consumers**
 - **Consumer Connection Agreement**
 - **Connection Charges**
- **Non-Contestable Consumers**
 - **Supply Agreement**
 - **Connection Charges**
- **Obtain Licence for Electrical Installation (EI) from EMA**
- **Open Utilities Account with Market Support Services Licensee (MSSL)**
- **Pay Security Deposit**

Energisation for Supply Capacity >45 kVA up to 22 kV (Direct Connected Consumers)

Roles of LEW

- **To supervise and ensure that the electrical set up is in accordance with the relevant Codes of Practice (CP) and Regulations**
- **Ensure equipment tested (inclusive of Protection System) and Safety Inspection work done**
- **Arrange for meter fixing and testing by Meter Section**
- **Submit COC when request MSSL for an appointment of Energisation**

Energisation for Supply Capacity >45 kVA up to 22 kV (Direct Connected Consumers)

Roles of LEW

- **On the day of Energisation**
 - **Submit COR to PowerGrid's (PG) project officer**
 - **Perform Interlocking Tests on Incoming Circuit Breaker (CB)**
 - **Perform Tripping Tests on Incoming CB**
- **Immediately after Energisation**
 - **Phasing of Incoming Supplies**
 - **Acknowledge on the Statement of Turn-on of Electricity**

Roles of LEW

- **To supervise and ensure that the electrical set up is in accordance with the relevant CP and Regulations**
- **Ensure equipment tested and Safety Inspection work done**
- **Joint preparation of Switching Procedures with PG for Power System Operator (PSO)'s approval**
- **Perform Pre-Commissioning Tests on Protection System**
- **Arrange for meter fixing and testing by Meter Section**
- **Submit COC when request PG's Project Officer for an appointment of Energisation**

Energisation for Supply Voltage at 66 kV and above



Roles of LEW

- **On the day of Energisation**
 - **Submit COR to PG's Project officer**
 - **Perform PSO's approved Switching Procedures with PG**

- **Immediately after Energisation**
 - **Acknowledge on the Statement of Turn-on of Electricity**

CERTIFICATE OF COMPLIANCE
[Regulation 5(2) of the Electricity
(Electrical Installations) Regulations 2002]



Particulars of Electrical Installation

Name of Consumer : _____
Address of Installation : _____

Electrical Installation Licence No. _____ MSS Account No. _____

Approved load & Supply Voltage: _____ kW _____ Volts

- Generator(s) Installed: Operated in parallel with PowerGrid's supply.
No. of generator: _____ Rating: _____ kVA
- Standby generator.
No. of generator: _____ Rating: _____ kVA
- Not applicable

Certification by Licensed Electrical Worker

I certify that the above-mentioned Electrical Installation complies with the requirements of the Electricity (Electrical Installations) Regulations 2002 and the Singapore Standards CP 5. I further certify that the technical requirements as stipulated by the person responsible for turning on the switchgear which controls the supply of electricity to the said electrical installation have been complied with.

I hereby request for the energisation of the supply line to the said Electrical Installation on _____ (date).

Name & Signature of LEW

Licence No.

Date

Copy to:
Market Support Services License

**CERTIFICATE OF READINESS
FOR THE ENERGISATION OF SERVICE CONNECTION**



Name of Customer Installation: _____
Address: _____
Customer Installation Licence No/Expiry Date: _____
Connection Voltage: _____
Approved Load: _____
Name of Connection Cable(s): _____
Owned by Connection Applicant (Yes / No) _____
MSS Account No: _____
Name of Retailer: _____

Certification By LEW

I, _____ (name) the undersigned LEW, hereby certify that the service connection*, the equipment and works at the above installation (Licence No: _____) are now ready and fit for energisation with effect from the date and time specified below.

Date: _____

Time: _____

I certify that:

a. protection details are as follows:

CT Ratio: _____ /1A or 5A*
Main 1 Type: _____
Main 2 Type*: _____
O/C Type: _____ Setting: _____
E/F Type: _____ Setting: _____

- b. the switching equipment/transformer/service connection* and all associated apparatus related to the service connection have been tested and checked by me and they have passed the pre-commissioning checks and tests in compliance with the Market Rules, Transmission Code, Handbook on How to Apply for Electricity Connection, Connection Agreement, all other applicable standards, and the associated protection systems have all been proven effective (the main protection schemes have been commissioned by load simulation method on date: _____).
- c. all necessary meters have been installed.
- d. *for multi-metered installation with the exception of HDB residential installation, the metering scheme has been designed as master/sub-metering scheme.

*Delete where not applicable

- e. the safety coordination requirements of the Transmission code have been fully complied with.
- f. all workmen have been withdrawn and warned that it is no longer safe to continue to work on the equipment without a 'Permit-to-work (PTW)', and that all tools, scaffolding, ladders, construction materials including any temporary local earthing connections have been removed from the equipment, and all protective screens or guards, if any, have been securely fixed and the appropriate warning signs displayed and that all keys, if any, necessary for the isolation and operation of the equipment have been handed to me.
- g. all circuit earth on equipment to be energised are removed.
- h. equipment to be energized in this request (the diagram must clearly indicate the portion of the equipment to be energised) is shown below:

DRAFT

Name & Signature of LEW

Licence No.

Date



**STATEMENT OF TURN-ON OF ELECTRICITY
[Regulation 5(4) of the Electricity
(Electrical Installations) Regulations 2002]**

ELECTRICITY SUPPLY TO _____
(Name of Applicant)

AT _____
(Address of Installation)

ELECTRICAL INSTALLATION LICENCE NO* : _____

I agree that the above-mentioned electrical installation is suitable for connection to the electrical system. I certify that the supply line to the installation has been energised on _____ at _____.
(date) (time)

Name & Signature of PowerGrid's officer **NRIC No.** **Date**

I acknowledge that the supply line has been energised on the date and time indicated above.

Name & Signature of LEW requesting for energisation of supply line **Licence No.** **Date**

I acknowledge that the supply line has been energised on the date and time indicated above and confirm that I will be responsible for the operation of this electrical installation hereafter.

Name & Signature of LEW responsible for the operation of the electrical installation* **Licence No.** **Date**

I acknowledge that the supply line has been energised on the date and time as indicated above.

Name & Signature of Applicant or his representatives **NRIC / Passport No.** **Date**

* Applicable to licensed electrical installation only.
Copy to: Market Support Services Licensee



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