

# The Application/Renewal and requirements for and Electrical's License

# 1. POLICIES

TEC Inspection Policies are Regulated by Electricity Act 2007, Contractor By Laws, AS/NZS 3000:2007(Wiring Rules) and other Regulatory requirements with brief listed requirements

- All Electrical Wiring / Installation to be done by Registered Electrical Contractor.
- All Electrical Wiring / Installation must apply and obtained Electrical Permit prior to commencing of work.
  - ❖ All Information on Electrical Permit to be Current and Accurate.
- All Electrical Wiring and Installation to Comply with Current Electrical Standard AS/NZS 3000: 2007 ( Wiring Rules) and Contractor By Laws.

- All Electrical Installation to be Inspected according to Current Electrical Standard.
  - ❖ No wiring shall concealed in Wall and Ceiling unless it is inspected by Inspector
  - ❖ All underground cable to be buried at 500mm minimum with Marking Tape and Entry Point Marker.
  - ❖ Use of required appropriate RCD Protective devices in Wet Areas and for Temporary Power.
  - ❖ Use of proper / approved materials and devices (connectors, SWB, Wiring Supports, Boxes and Enclosures)

- Certificate of Completion (COC) is issued only after inspector is satisfied that the Electrical Installation Complies with Electrical Standard and is safe for Connection to grid.
- Any variation in number of items listed in Permit Application and number of items installed will require an additional permit for the differences in items installed.
- Electrical Contractor will be notified of any Defect after inspection. Contractor will remedied these defect and notified EC for re-inspection before COC is issued.

## 2. CHALLENGES WITH LACK OF REGISTERED CONTRACTORS

- REGISTERED CONTRACTORS

  - ❖ 29 Registered Electrical Contractor

- REGISTERED CONTRACTOR REQUIREMENTS

  - ❖ Level 4 Certificate in Electrical

    - 10 Year minimum Electrical Experience
    - Pass Theory and Practical Exam

  - ❖ Registered Electrician or Electrical Contractor Overseas.

    - Current or Valid Electrical License (on country approved by the Board).

- Challenges with Lack of Registered Contractors , below are brief related causes and issues.
  - ❖ Low number of candidate that satisfied passing requirements for Theory and Practical exam for Registered Contractor. Majority is due to being unprepared and lack of knowledge of current Electrical Standards.
  - ❖ Increased in number of unlicensed electrician doing illegal wiring and installation due to lack of penalties and awareness.
  - ❖ Increase in Non-compliance Electrical wiring and installation due to increase in number of unlicensed electricians. (Error in Sizing of Cables and Breakers)

- ❖ Use of sub-standard fixtures , electrical devices and improvised fittings and materials. ( Use of Fixtures, electrical devices and fittings that does not comply with specifications. )
- ❖ Illegal relocation and connection of Temporary Meter Box to new Installation.
- ❖ Selling of Electrical Permits to unlicensed electrical workers.
- ❖ Lack in jobs for Registered Contractor, even for major project, due to Construction Contractor using of their own unlicensed electrical contractor.