



सत्यमेव जयते

Government of Gujarat



# Certification of Electrical Installation by Chief Electrical Inspector

Process Flow, Checklist and Timelines

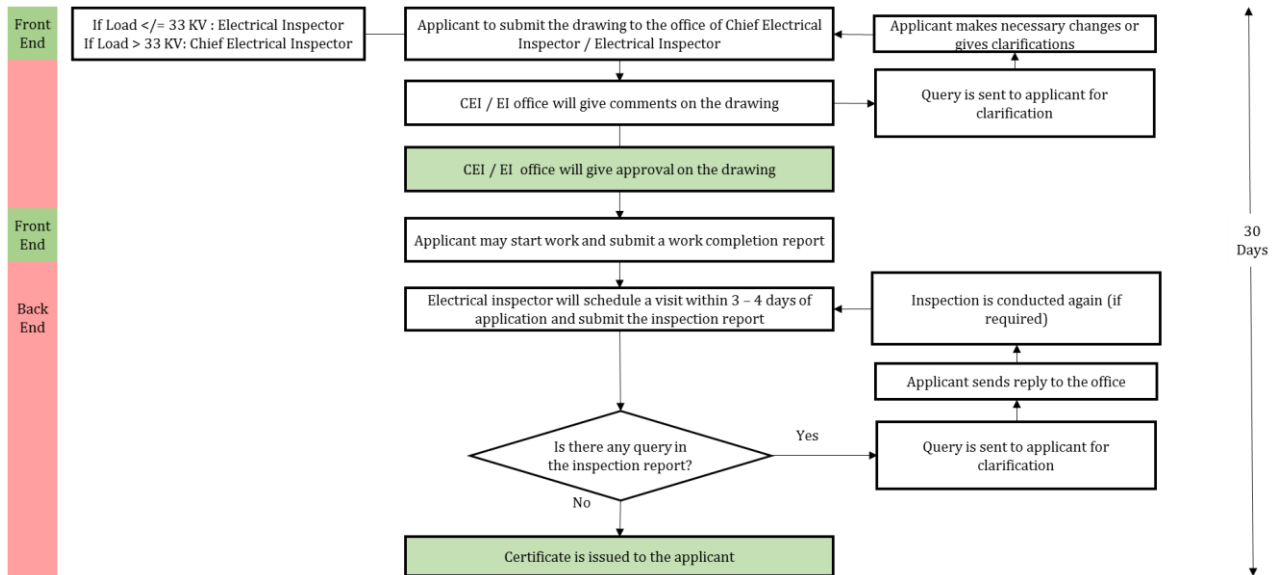
Energy & Petrochemicals Department

Ease of Doing Business

## Application Name:

## Certification of Electrical Installation by Chief Electrical Inspector

### Process Flow



### Checklist

#### For the Approval of the HV/EHV electrical installations

S. No.	Name of Document
1.	Overall Single Line Diagram – showing existing and proposed installations
2.	Equipment Layout drawing with plot plan
3.	Earthing layout drawing with Standard Earth Pit
4.	Earthing Resistance Calculations with reference to Step and Touch Potential (In case of EHV)
5.	Fault level Calculations. (In case of EHV)
6.	Key Plan

### **Approval of the EHV Overhead Line or Under Ground Cable:**

<b>S. No.</b>	<b>Name of Document</b>
1.	Overall Single Line Diagram
2.	Route map with details of line crossing with existing line/Road/Railway
3.	Earthing layout drawing with Standard Earth Pit Drawing
4.	Tower/Pole structure drawing
5.	Permission of the Local Authority/ Owner for laying line or cable
6.	In case of U/G cable, Detail of the Cable Duct and Cross section of the Cable

### **Approval of the Captive Generating Plant (CGP) or DG Installations:**

<b>S. No.</b>	<b>Name of Document</b>
1.	Overall Single Line Diagram- showing existing and proposed installations
2.	Equipment Layout drawing with plot plan
3.	Earthing layout drawing with Standard Earth Pit Drawing
4.	Details of CGP/DG in prescribed format with declaration
5.	Purchase invoice, Load List, Copy of the Electricity Bill. Or in case of estimate from DISCOM
6.	In case of U/G cable, Detail of the Cable Duct and Cross section of the Cable
7.	Approval of local authority (Optional)
8.	Key Plan

### **Approval of the Non-Conventional Energy Source based electrical installation (Solar, WTG etc):**

<b>S. No.</b>	<b>Name of Document</b>
1.	Overall Single line diagram- showing existing and proposed installations
2.	Equipment layout drawing
3.	Earthing layout drawing with standard earth pit.
4.	Calculation of the PV cell required for desired capacity & inverter details (in case of solar)
5.	Copy of the sanction letter of GEDA (in case of Solar).
6.	Key Plan

### **Approval of Reactor:**

<b>S. No.</b>	<b>Name of Document</b>
1.	Overall Single line diagram
2.	Equipment layout drawing with plot plan
3.	Earthing layout drawing with standard earth pit.
4.	Key Plan

### **For the Approval of HT Motor:**

<b>S. No.</b>	<b>Name of Document</b>
1.	Overall Single line diagram
2.	Equipment layout drawing with plot plan
3.	Earthing layout drawing with standard earth pit.
4.	Details of the previous Approval & Permission of the Inspectorate for Existing Installation (Optional)
5.	Key Plan

### **For the Approval of Capacitor Bank:**

<b>S. No.</b>	<b>Name of Document</b>
1.	Overall Single line diagram
2.	Equipment layout drawing with plot plan
3.	Earthing layout drawing with standard earth pit.
4.	Details of the previous Approval & Permission of the Inspectorate for Existing Installation (Optional)
5.	Key Plan

### **Fees Details**

No Fees

### **Timeline**

30 Days (Notified as a part of RCPS Act)

Thank You