



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केंद्रीय विद्युत प्राधिकरण

Central Electricity Authority

मुख्य विद्युत निरीक्षणालय प्रभाग

Chief Electrical Inspectorate Division

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संख्या- सी.ई.आई./11/2/2018 / 852-892

दिनांक: 21/06/2018

सेवा में,

सभी मुख्य सचिव, सचिव /, राज्य / केंद्रशासित प्रदेश, विद्युत विभाग  
(संलग्न सूची के अनुसार)।

**विषय: चार्टर्ड विद्युत सुरक्षा अभियंता को अधिकृत करने के संबंध में दिशानिर्देश।**

महोदय,

केंद्रीय विद्युत प्राधिकरण के विनियमन 5 ए (सुरक्षा और विद्युत आपूर्ति से संबंधित उपाय) दूसरा संशोधन विनियम, 2018 के अनुसार, केंद्र सरकार ने अधिसूचित वोल्टेज तक मालिक या चार्टर्ड विद्युत सुरक्षा अभियंता (सीईएसई) द्वारा विद्युत स्थापना के स्वयं प्रमाणीकरण की शुरुआत की है। उपरोक्त संदर्भ के अनुसार, केन्द्रीय विद्युत प्राधिकरण चार्टर्ड विद्युत सुरक्षा अभियंता को अधिकृत करने के संबंध में प्रकाशित दिशानिर्देश अनुलग्नक-ए में संलग्न है।

संलग्न: प्रकाशित दिशानिर्देश अनुलग्नक-ए।

भवदीय

गौतम शर्मा  
21/6/18  
(गौतम राय)

(मुख्य अभियंता और मुख्य विद्युत निरीक्षक, भारत सरकार)



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 केन्द्रीय विद्युत प्राधिकरण/ Central Electricity Authority  
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No. CE1/1/2/2018

Dated: 21<sup>st</sup> June, 2018

To

All Principle Secretary/Secretary  
 Power Departments of States/UTs (As per list enclosed)

**Subject: Guidelines regarding authorizing the Chartered Electrical Safety Engineer (CESE).**

Sir,

In accordance to the Regulation 5A of the Second Amendment of the CEA (Measures relating to Safety and Electric Supply) Regulation notified on 1<sup>st</sup> March, 2018, it was indicated that:

*“Central Electricity Authority shall, within a period of six months, frame and publish the guidelines including the eligibility conditions for the purpose of authorizing the Chartered Electrical Safety Engineer”.*

In this context, it is mentioned that CEA has framed the detailed guidelines for Chartered Electrical Safety Engineer, which was discussed in the 2<sup>nd</sup> meeting of the Standing committee on Electrical Safety held in Raipur. A copy of the guidelines is enclosed. You are requested to advise your officials to follow the said guidelines for the purpose of authorizing the Chartered Electrical Safety Engineers towards issuance of charging clearance for the installation of notified voltage and below.

Encl: As above

Yours faithfully,

21/06/2018  
 (Goutam Roy)  
 Chief Engineer

**GUIDELINES FOR AUTHORIZING THE "CHARTERED ELECTRICAL SAFETY ENGINEER (CESE)".**

In accordance the Regulation 5A of CEA (Measures relating to Safety and Electric Supply) Amendment Regulations, 2018, the Central Government has introduced Self certification of the electrical installation by the owner or Chartered Electrical Safety Engineer (CESE) upto the notified voltage. The guidelines for authorizing of the Chartered Electrical Safety Engineers (CESE), as under: -

1. **Short title and Commencement.-** (1) These guidelines may be called the "Guidelines for authorizing of the Chartered Electrical Safety Engineers (CESE)" under regulation 5A of Central Electricity Authority (Measures relating to Safety and Electric Supply) Amendment Regulations, 2018.
  - (2) They shall come into force on the date of their official issuance by CEI Division, CEA.
2. **Definitions:** (1) In these guidelines, unless the context otherwise requires,
  - (a) "Chartered Electrical Safety Engineer" means a person authorised by the Appropriate Government as referred to in CEA safety regulation 5A;
  - (b) "Notified Voltage" means a voltage notified by the appropriate Government under intimation to the Authority for the purpose of specifying the voltage level upto which self-certification is to be carried out under CEA safety regulation 30 and regulation 43;
  - (c) Words and expressions used and not defined in these guideline but defined in the Electricity Act, 2003 and CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended) shall have the meanings respectively assigned to them in the Electricity Act, 2003 and CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 (as amended).
3. **Qualification of Chartered Electrical Safety Engineer:**
  - (a) The Chartered Electrical Safety Engineers shall be an Electrical Engineering degree holder or equivalent degree with at least five years experience in operation and maintenance of electrical installations and also should have the knowledge of the works related to observance of electrical safety

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regulations or an Electrical Engineering Diploma holder with at least 10 years of experience in operation and maintenance of electrical installations and also should have the knowledge of the works related to observance of electrical safety regulations.

- (b) He/ She shall qualify the priscibe test/ interview conducted by Electrical Inspectorate Department of the concerned Government, after paying the requisite fees. The procedure for the test/ interview shall be decided by the respective Government.
- (c) He/She shall have the knowledge of Central Electricity Authority (Measures relating to Safety and Electric Supply), Regulations, 2010 (as amended) and other relevant Act and Regulation related to electricity supply in the respective State Government.
- (d) Retired Chief Electrical Inspector/ Electrical Inspector who were already notified by Appropriate Government would be eligible for CESE. However, State Government would have the responsibility to take the decision on exemption for test/ interview for retired Chief Electrical Inspector/ Electrical Inspector.
- (e) The Chartered Electrical Safety Engineers shall not hold any post in Govt./Semi Govt./PSUs or associated with any organisations which directly or indirectly influence the working of CESE.
- (f) He/ She shall for all the time in his possession have the basic testing equipments (some basic testing equipment given in Annexure-I) as may be prescribed by the office of the Chief Electrical Inspector/Electrical Inspector for testing of the electrical installations.

**4. Scope of work:** The Chartered Electrical Safety Engineers shall assist the owner or supplier or consumer of electrical installations for the purpose of self-certification upto the level of notified voltage under regulation 30 and regulation 43 of Central Electricity Authority (Measures relating to Safety and Electric Supply), Regulations, 2010 (as amended), provided those installations are not be covered under section 54 of Electricity Act, 2003.

**5. Duties & Responsibilities of Chartered Electrical Safety Engineer:**

- 1. He / She shall carry out recommended tests as per the relevant Regulation and Standards.

2. He / She shall test electrical installations & keep a record thereof in Form-I/ Form-II/ Form-III of Central Electricity Authority (Measures relating to Safety and Electric Supply), Regulations, 2010 (as amended), as the case may be and submit the same along with photographs/ video of the apparatus tested to the respective office of the Chief Electrical Inspector (CEI)/ Electrical Inspector (EI) within seven working days from the date of testing and will produce the same at the time of renewal.
3. The Owner shall carry out the recommendations given by the CESE in his report, within the time prescribed in the report. In case the owner fails to rectify the shortcomings as identified by the CESE even after the prescribed period, the CESE shall inform the same to the office of the Chief Electrical Inspector/ Electrical Inspector within a period of 15 days from the expiry of the time prescribed in the report of rectification. Such records shall be made available to the office of the Chief Electrical Inspector/ Electrical Inspector by the owner/ CESE, as and when required.
4. If, on inspection of installation of the owner or supplier or consumer, as the case may be, the CESE is satisfied that the installation is likely to be dangerous for the use of electricity, he/ she shall bring the same to the notice to the owner and the office of Chief Electrical Inspector (CEI)/ Electrical Inspector within the period of 48 hours from the date of testing. The CEI/ EI on receipt of such notice should take immediate action as per CEA safety regulation 31.

#### **6. Fees and leavy chages of CESE:-**

- (a) Testing of electrical installation in a single premise up to notified voltage under CEA Safety Regulation 43 is Rs. 5000/-.
- (b) Periodic Testing of electrical instalation in a single premise up to notified voltage under CEA Safety Regulation 30 is Rs. 3000/-.

Fees to be levied by the CESE from the Utilities shall be received in the modes other than cash.

7. **Accessibility of CESE to the Consumers:** The Appropriate Government shall upload the name of the authorised Chartered Electrical Safety Engineer, within 15 days, on the web portal of the Government or Department dealing with matters of inspection of electrical installations for the information of the owner, supplier and consumer.

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**8. Others term and condition:**

- (a) It shall be the responsibility of owner of the Installation to maintain & operate the installation in a condition free from danger and as recommended by the manufacturer/ CEI/ EI/ CESE or by the relevant codes of practice of the "Bureau of Indian Standards."
- (b) The authorization of a Chartered Electrical Safety Engineer shall be liable to be suspended or cancelled by the Chief Electrical Inspector/Electrical Inspector, if he/she is found to be indulging in willful negligence, mal-practices, misuse or any other activities affecting directly and in-directly the safety of electrical installations. However, no such authorization shall be suspended/ cancelled unless an opportunity of being heard is given to the concerned CESE.
- (c) The authorization of a Chartered Electrical Safety Engineer shall be initially for the period of three years at the time of registration and the authorization shall be extended for a period of additional two years at a time by the office of the CEI/ EI based on the performances of CESE. However, the authorization will cease automatically on his/her attaining the age of 65 years. There shall be only one time fees of Rs. 10000/- for the registration as CESE.
- (d) In case of any dispute arising between CESE and owner or supplier or consumer on the inspection, the decision of the Electrical Inspector of the respective Government on the same, shall prevail.
- (e) Any electrical installation which have been checked/ tested by the CESE could be inspected/ revisited by the CEI/ EI in case he/ she is not satisfied with the check/ testing carried out by CESE.
- (f) The testing equipment used by the CESE shall be calibrated at any NABL accredited laboratory at least once in every two years.

**Annexure-I**

**Basic testing equipment.**

- 01. **Voltmeter:** use to measure the potential difference occurs any equipment/ electrical appratus.
- 02. **Ammeter:** an instrument for measuring electric current in amperes.
- 03. **Multimeter:** A multimeter can measure voltage, current, and resistance.
- 04. **Megger/ Earth Insulation Tester:** an instrument for measuring the resistance of electrical insulation.
- 05. **Line Tester.**
- 06. **Tong-tester:** An electrical meter with integral AC current clamp is known as a clamp meter, clamp-on ammeter or tong tester.
- 07. **Safety Helmet:** It should be availble as per indian standarad (IS:2925).
- 08. **Safety Belt:** It should be availble as per indian standarad (IS: 2521)
- 09. **Safety Shoes:** It should be availble as per indian standarad
- 10. **Hands Gloves:** It should be availble as per indian standarad
- 11. **Others necessary testing kits:** as suggesteed by the office of the CEI/ EI.