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ENERGY DEPARTMENT

NOTIFICATION

The 17th July, 2020

S.R.O No.177/2020– In exercise of the powers conferred under Regulation 5 (A) sub regulations (2) , (3), (4) and (5) of Regulation 30 and sub-regulation (1) and (2) of Regulation 43 of Central Electricity Authority (Measures Relating to Safety & Electric Supply) Regulation 2010 and as per the Notification No.3223 dated 29.04.2016 and Notification No.CEI/1/2/2018 dated 21.06.2018, the Government of Odisha hereby notify on and with effect from the date of publication of this notification in official Gazette for the purpose of authorization of Chartered Electrical Safety Engineers (CESE) to assist the owner or supplier or consumer for self-certification of the electrical installation up to the notified voltage. This notification supersedes the Notification No. 5151 dated 15.07.2017.

1. DEFINITIONS.- (1) In this Notification, unless the context otherwise requires,-

- (a) “Chartered Electrical Safety Engineer” or CESE means a person authorized 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 up to which self- certification is to be carried out under CEA safety Regulation 30 and Regulation 43; and
- (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 shall have the

meanings respectively assigned to them.

2. AUTHORIZATION:- (1) The eligible and qualified Electrical Engineers shall be authorized by the Engineer-in-Chief (Electricity)-Cum-Principal Chief Electrical Inspector, Odisha as “Chartered Electrical Safety Engineers” for assisting the owner of installation for self-certification of electrical installation up to the notified voltage. They shall be issued with Chartered Electrical Safety Engineer Certificate (CESEC). Also a list of authorized Chartered Electrical Safety Engineer shall be published in the website of EIC (Electricity)-cum-PCEI, Odisha from time to time for information of Supplier, Owner & Consumer of Odisha.

(2) No person shall be authorized under sub clause (1) unless he is competent to perform the duties assigned to him and possesses appropriate certificate of competency issued by the Electrical Licensing Board, Odisha.

(3) No person shall be deemed to be authorized under sub clause (1) unless his name has been published in the website of EIC (Electricity)-cum-PCEI, Odisha and entered in a list maintained by the Engineer-In-Chief (Electricity)-Cum-Principal Chief Electrical Inspector, Odisha.

3. QUALIFICATION FOR CHARTERED ELECTRICAL SAFETY ENGINEER.- No person shall be authorized to be a Chartered Electrical Safety Engineer (CESE), unless,-

(a) He shall be an Electrical Engineering degree holder or equivalent degree with at least 5 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 or an Electrical Engineering diploma holder with at least 10 years of work experience in construction, operation & maintenance of electrical installation and also should have the knowledge of the works related to observance of electrical safety regulations. For the purpose of experience, a certificate from the employer, under whom he worked for such period describing the nature and voltage of work done shall be furnished.

Provided that, in case of a person working under an industry, the experience certificate describing the nature and voltage level of work is to be obtained from the higher technical authority not below the rank of Superintending Engineer or General Manager.

(b) He shall qualify the prescribed test or interview conducted by Electrical Licensing Board, Odisha, after paying the requisite fees. The procedure for the test or interview shall be as notified by the Engineer-In-Chief (Electricity)-Cum-Principal Chief Electrical Inspector, Odisha. However Retired Chief Electrical Inspector or Electrical Inspector who were already notified by the Government would be eligible for CESE and are exempted from appearing any test or interview for authorization as CESE.

(c) He shall have the knowledge of Central Electricity Authority (Measures Relating to Safety & Electric Supply), Regulation, 2010 and other relevant Acts & Regulations related to electricity supply in the State of Odisha.

(d) The Chartered Electrical Safety Engineers shall not hold any post in Government / Semi-Government / Public Sector Undertakings or associated with any organizations which directly or indirectly influence the working of CESE.

(e) He shall for all the time in his possession have the basic testing equipment (given in Annexure-I) or as may be prescribed from time to time, by the EIC (Electricity)-cum-PCEI, Odisha 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 up to the notified ENG-EL-ELBO-0001-2019/13/2020 voltage under Regulation 30 and Regulation 43 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulation 2010, provided those installations are not covered under Section 54 of Electricity Act, 2003.

5. PROCEDURE FOR AUTHORIZATION OF CHARTERED ELECTRICAL SAFETY ENGINEER (CESE).-

(a) Application,- On Notification, an application in the prescribed format along with prescribed fees through online electronic treasury challan (e-challan) under the head "0043-00-102-0034-01001-000" for issuance of Chartered Electrical Safety Engineer Certificate shall be made to the Secretary, ELBO, Bhubaneswar within the dates to be notified.

Provided that every application form for Chartered Electrical Safety Engineer shall be accompanied by the following self-attested documents,-

- (i) Specimen signature and three recent passport size colour photographs with white background showing complete face of the applicant;

- (ii) Photocopy of PAN Card;
- (iii) Identity proof of the applicant such as passport, voter id, driving licenses, Aadhar card;
- (iv) Proof of address such as Telephone bill or Electricity bill or Bank Passbook or Driving License or Aadhar card or Passport;
- (v) Copies of educational qualification and proof of date of birth;
- (vi) Proof of work experience as required under this sub-clause (a) of clause 3.

However, the authorization of a Chartered Electrical Safety Engineer will cease automatically on his attaining the age of 65 years.

(b) Time & Schedule.- Application for the Chartered Electrical Safety Engineer shall be applied on such dates and on such manner as notified by Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha from time to time and published in the *Odisha Gazette* and local newspapers.

(c) Grant of Authorization of Chartered Electrical Safety Engineer.- Authorization of Chartered Electrical Safety Engineer shall be granted to a person approved by the Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha subject to fulfillment of the conditions laid down below, namely:-

- (i) the applicant must be a citizen of India;
- (ii) the applicant must have all the qualifications as desired under clause-3;
- (iii) Registration fees remitted as prescribed in the form of electronic treasury challan; and
- (iv) Submission of application form along with necessary enclosures complete in all respects.

(d) Validity and Renewal of Authorization for Chartered Electrical Safety Engineer:- The authorization of a Chartered Electrical Safety Engineer shall be initially valid for the period of five years at the time of registration and the authorization shall be extended for a period of additional three years at a time by the Secretary, ELBO on approval of EIC (Electricity)-cum-PCEI, Odisha

basing on the performance. Provided that (a) no such renewal shall be made unless the Chartered Electrical Safety Engineer has attended a refresher training course conducted by the Electrical Licensing Board, Odisha and has produced a certificate of participation issued in that behalf, (b) the CESE has successfully completed on work as per the scope of work defined at clause 4 of this notification. However, on his / her attaining the age of 65 years, the authorization will cease automatically.

The application for renewal of Chartered Electrical Safety Engineer shall be submitted along with performance as CESE in prescribed format and manner as prescribed by EIC (Elec.)-cum-PCEI, Odisha. It shall be submitted within 30 (thirty) days before the expiry but not before 90 (ninety) days from the date of expiry.

(e) The Chartered Electrical Safety Engineer shall not be eligible to carry out any certification work after expiry of the validity period.

(f) After expiry of the validity period, if the desirous Applicant wants to renew his CESE within a maximum period of 2 years, he shall have to pay the application fees multiplied with the number of years delayed and for the purpose of computation of additional fees payable, part of a year shall be considered as one complete year. Applicants who fail to apply for renewal within the same relaxation period of 2 years, have to apply afresh as per clause 5 of the present Notification.

(g) Fee structure for Application & Registration:-

- (i) Application fee - Rs.500/-
- (ii) One time Registration fee - Rs.10,000/-

The fee structure or any fee payable as mentioned in this notification may be revised by the Government of Odisha as and when necessary.

(h) Issue of duplicate certificate or identity card.-

Where the certificate or identity card has been lost, the Chartered Electrical Safety Engineer, ELBO, Odisha may, on an application made by him in this behalf, duly supported by a copy of First Information Report (F.I.R.) lodged with the concerned Police Station, issue a duplicate certificate or identity card, as the case may be, on payment of a fee of rupees five hundred by e-challan drawn in favour of SE-cum-Secretary, ELBO, Odisha.

Where any certificate or identity card issued by the ELBO, Odisha is damaged, the ELBO, Odisha may on an application made in this behalf and on surrender of damaged certificate or identity card, issue a duplicate certificate or identity card on payment of a fee of rupees five hundred by e-challan drawn in favour of SE-cum-Secretary, ELBO, Odisha.

6. DUTIES AND RESPONSIBILITIES OF CHARTERED ELECTRICAL SAFETY ENGINEER:-

(a) He shall carry out recommended tests as per the relevant regulation and standards.

(b) He shall test electrical installations & keep a record thereof in Form-I or Form-II or Form-III of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, as the case may be and submit the same along with photographs or video of the apparatus tested to the respective office of the Chief Electrical Inspector (CEI) or Electrical Inspector (EI) within seven working days from the date of testing and will produce the same at the time of renewal in such manner and such format as may be prescribed by the EIC (Elec.)-Cum-PCEI, Odisha.

(c) 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 Chief Electrical Inspector or 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 or Electrical Inspector by the owner or CESE, as and when required.

(d) If, on certification 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 shall bring the same to the notice of the owner and the office of the Chief Electrical Inspector or Electrical Inspector within the period of 48 hours from the date of testing. The Chief Electrical Inspector (CEI) / Electrical Inspector (EI) on receipt of such notice should take immediate action as per CEA safety Regulation 31.

7. FEE AND LEVY CHARGES OF CESE.-

(i) The levy of fee towards assistance of Chartered Electrical Safety Engineer to the owner for the purpose of testing inspection and self certification of the Electrical installation shall not be more than that of the prescribed fee structure as stipulated in Government of Odisha Notification No. 21610 dtd. 28.12.2001 published in *Odisha Gazette* No.12, 29.03.2002 or as amended and notified by the Deptt. of Energy, Govt. of Odisha from time to time.

(ii) Any fee to be levied by the CESE for the purpose of testing and self certification shall be ENG-EL-ELBO-0001-2019/13/2020 received in any other modes other than cash.

(iii) In no case the fee levied by the CESE shall exceed the fee structure as fixed by the Government. If complaint is received against CESE regarding excess claim, then his authorization is liable for cancellation.

8. ACCESSIBILITY OF CESE TO THE CONSUMERS.-

Secretary, ELBO shall upload the names of the authorized Chartered Electrical Safety Engineers, within 15 days of the authorization, in the official website of EIC (Electricity)-cum-PCEI, Odisha, maintained for the purpose, for the information of the owner, supplier and consumers.

9. OBLIGATION OF AUTHORIZED CHARTERED ELECTRICAL SAFETY ENGINEER.-

Every person, who is authorized as Chartered Electrical Safety Engineer:-

(a) Shall function as per the Act, CEA Regulations & Electrical Licensing Board Regulation, Odisha 2014 and this notification, as amended from time to time.

(b) Shall not be in multiple employments or providing consultancy in any firm or company or State Government or State owned public sector or central government or Central PSUs or distribution licensee.

(c) Shall not assist for any installations other than for which he has been authorized.

(d) Shall file an online quarterly return giving the details of works taken up during the quarter and such other information as incidental to it in such form, manner and interval, as may be prescribed, for the purpose. Failing to file return shall be considered as a violation of this notification and attract the provisions as mentioned in clause 10 of this notification.

(e) At the time of disaster like situation such as flood, cyclone etc., the CESE shall have to discharge obligation for extending support for restoration of electricity supply as and when directed by the Government.

(f) Shall intimate to Secretary, ELBO in writing in such manner and such format, as may be prescribed, within the stipulated period specified below as to every change of the following for updating, namely:-

- (i) Present address within seven days of change;
- (ii) Mobile number within seven days; and
- (iii) Email address.

10. PENALTY FOR BREACH.-

(a) Wherever it appears that any authorized Chartered Electrical Safety Engineer,-

- (i) has violated any provisions of this notification or Act or CEA Regulation-2010 or ELBO Regulation;
- (ii) has played fraud or mis-presented to any authority, organization or to any person with regard to authorization;
- (iii) has misbehaved with any officer or officials associated with Electrical Inspectorate or has been convicted by a Court of Law;
- (iv) has wrongly submitted any self-certification report to any authority;
- (v) has demanded more fee than the prescribed fee;
- (vi) any commission or omission amounting to professional misconduct; and
- (vii) any misrepresentation of facts, data or reports.

(b) The Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha may suspend authorization pending inquiry into alleged contravention of any of the Act / Rules / Regulations/ Orders for a period which

may be up to one year. Such an order may be passed by the Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha, if he is prima facie of the view that the Chartered Electrical Safety Engineer is guilty of an offence.

(c) After the order of suspension is issued under sub-clause (b), the Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha may order for an inquiry to be conducted by an officer of Electrical Inspectorate not below the rank of Deputy Electrical Inspector. Based on the inquiry report, the Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha may cancel the authorization for a minimum period of 3 (three) years or may revoke the suspension.

Provided that, no authorization shall be cancelled, except after giving the Chartered Electrical Safety Engineer, an opportunity of being heard.

(d) Where the authorization is suspended or cancelled, the Chartered Electrical Safety Engineer shall not be eligible to carry out any certification work until the suspension or cancellation is revoked by a separate order as per the decision of Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha.

(e) Further, to revoke such suspension or cancellation, he shall make a representation to the Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha enclosing the inquiry report. The Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha may revoke the suspension or cancellation of authorization after satisfactory compliance by the CESE.

11. APPEALS.- Any person aggrieved by the order of Engineer-in-Chief (Electricity)-cum-Principal Chief Electrical Inspector, Odisha may appeal to Department of Energy, Government of Odisha within a period of thirty days from the date of issue of the order. Decision of the Department of Energy, Government of Odisha in this regard shall be final and binding on all concerned.

12. OTHER TERMS AND CONDITIONS.-

(a) It shall be the responsibility of the owner of the installation to maintain & operate the installation in a condition free from danger and as recommended by the manufacturer or Chief Electrical Inspector (CEI) or

Electrical Inspector (EI) or CESE or by the relevant codes of practice of the “Bureau of Indian Standards” or the Safety Regulations as prescribed by the CEA.

(b) 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 area shall prevail.

(c) Any electrical installation which have been checked or tested by the CESE could be inspected or re-visited by the CEI or EI in case he is not satisfied with the check or testing carried out by CESE.

(d) The testing equipment (as given at Annexure-I) used by the CESE shall be calibrated at STL(Short-circuit Testing Liaison) or any NABL (National Accreditation Board for Testing and Calibration Laboratories) at least once in every two years.

[No.6293-ENG-EL-ELBO-0001/2019/En.]

By Order of the Governor

NIKUNJA B. DHAL

Principal Secretary to Government

Annexure-I**Basic testing equipment**

01. **Voltmeter:-** Use to measure the potential difference occurred any equipment/ electrical apparatus.
02. **Ammeter:-** An instrument for measuring electric current in amperes.
03. **Multi-meter:-** A multi-meter can measure voltage, current and resistance.
04. **Insulation & Earth Tester:-** An instrument for measuring the insulation resistance of the electrical installation and earth resistance of the system/ earth pit.
05. **Clamp Earth Tester:-** An instrument for measuring ground resistance and current in multi-ground installations without needing to disconnect the ground.
06. **Live Line Tester:-** An instrument for checking whether a line is in energized condition or not.
07. **Clamp Tester:-** An electrical meter with integral AC current clamp is known as a clamp meter, clamp-on ammeter or tong tester.
08. **Personal Protective Equipment:**
 - a. Safety Helmet:- As per Indian Standard (IS:2925).
 - b. Safety Belt:- As per Indian Standard (IS: 2521).
 - c. Safety Shoes:- As per Indian Standard (IS: 4770).
 - d. Hand Gloves:- As per Indian Standard. (IS: 4770).
 - e. Discharged Rod:- As per Indian Standard.
09. **Other testing instruments:-** As recommended by the EIC (Electricity)-cum-PCEI, Odisha from time to time.