

## **Annexure-XVII**

### **FREQUENTLY ASKED QUESTIONS** **(APPROVAL OF ELECTRICAL INSTALLATION)**

Q(1): Who is required to obtain the approval of Electrical Installation before energisation?

Ans: As per Regulation 43 of the Central Electricity Authority (Measures relating to Safety and Electric supply) Regulations, 2010, the owner/supplier/consumer has an option to get the electrical installation of voltage exceeding 650 Volts inspected, tested and approved by the Electrical Inspector.

Q(2): What are the online services available for approval of Electrical Installation?

Ans: The following services are available online on GNCTD web portal e-District (e-District Delhi):-

- Application for Statutory Inspection of the Electrical Installations under Regulations 43 & 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 for Approval of the Electrical Inspector for Energisation (Other than Overhead Transmission Lines) – FORM A.
- Application for Statutory Inspection of the Electrical Installation under Regulations 43 & 30 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 for Approval of the Electrical Inspector for Energisation (Overhead Transmission Lines) – FORM B
- Periodical Inspection of Electrical Installation under Regulation 30 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 – FORM C.

Q(3): What is the procedure to obtain approval of electrical installation of voltage exceeding 650 volts before energisation?

Ans:

- The applicant has to register himself on e-District portal of GNCTD.
- After registration the applicant has to choose “Application for Statutory Inspection of the Electrical Installations under Regulations 43 & 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 for Approval of the Electrical Inspector for Energisation (Other than Overhead Transmission Lines) - FORM A” in the Labour Department, GNCTD and fill up all the relevant details of the Electrical Installation.

- The applicant has to deposit the inspection and testing fee digitally through this online system.

Q(4): What is the procedure to apply for periodical inspection of electrical installation of voltage exceeding 650 volts which are already energised?

Ans:

- The applicant has to register himself on e-District portal of GNCTD.
- After registration the applicant (Except the Overhead Transmission Lines) has to choose “Periodical Inspection of Electrical Installation under Regulation 30 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 – FORM C” in the Labour Department, GNCTD and fill up all the relevant details of the Electrical Installation. The applicant has to deposit the inspection and testing fee digitally through this online system.
- The owners of Overhead Transmission Lines have to apply for periodical inspections using the same service as availed for initial inspection.

Q(5): What is the procedure to obtain approval of electrical installation for Generating Units before commissioning?

Ans:

- The owner(s) of Generating Units (this includes all types of Generating systems) above 215 KVA/200 KW has to register himself on e-District portal of GNCTD.
- After registration the applicant has to choose “Application for Statutory Inspection of the Electrical Installation under Regulations 43 & 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 for Approval of the Electrical Inspector for Energisation (Other than Overhead Transmission Lines) - FORM A” in the Labour Department, GNCTD and fill up all the relevant details of the Electrical Installation.
- The applicant has to deposit the inspection and testing fee digitally through this online system.

Q(6): What is the procedure to apply for periodical inspection of electrical installation of Generating Units?

Ans:

- The owner(s) of Generating Units (this includes all types of Generating systems) above 215 KVA/200 KW has to register himself on e-District portal of GNCTD.
- After registration the applicant has to choose “Periodical Inspection of Electrical Installation under Regulation 30 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 – FORM C” in the Labour Department, GNCTD and fill up all the relevant details of the Electrical Installation.
- The applicant has to deposit the inspection and testing fee digitally through this online system.

Q(7): How much inspection and testing fee should be deposited?

Ans:

- The applicant while applying for any of the electrical installation approval/ inspection services has to fill up the correct technical details.
- The fee shall be calculated by the system on the basis of these technical details automatically. This calculated inspection and testing fee should be deposited digitally using e-district portal of GNCTD.

Q(8): What are the documents required for availing the online services of electrical installations?

Ans: The documents required for inspection of Electrical Installation of Voltage exceeding 650 Volts and Generating Units above 215 KVA/200 KW are as follows:-

- Single line wiring diagram indicating the capacity/rating/size of electrical system and relevant protection scheme.
- Layout Plan :
  - In case of Sub-Station - layout plan showing location of equipment, indicating entry, means of ventilation and necessary clearances all around electrical equipment.
  - In case of High Voltage /EHV Cables- Route of the Cables showing the method of laying and length.
  - In case of Overhead lines- Route of lines, position of towers/poles.
  - In case of Generating Units above 215 KVA/200 KW - layout plan showing location of Generating Unit indicating entry, means of ventilation and necessary clearances all around electrical equipments.

- In case of Power Transformers- layout plan showing location of Power Transformers, indicating entry means of fire fighting system, oil drainage pits, fire separation wall and necessary clearances all around electrical equipment.
- Earth results test reports showing the details of earthing along with layout plan of earthing system.
- Protection test reports of electrical installation.
- Manufacturing test reports of electrical equipment.
- Transformer oil test report from NABL certified Laboratory in case of Oil type Transformer.
- Work completion certificate of electrical installation in case of a new installation.

Q(9): Does every electricity consumer has to obtain the approval of Electrical Installation?

Ans: The owner /supplier/consumer has an option to get the electrical installation of voltage exceeding 650 Volts inspected, tested and approved by the Electrical Inspector and owners of Generating Units above 215 KVA/200 KW shall apply using online services of using e-district portal of GNCTD for any below mentioned services:-

- Application for Statutory Inspection of the Electrical Installations under Regulations 43 & 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 for Approval of the Electrical Inspector for Energisation (Other than Overhead Transmission Lines) - FORM A.
- Application for Statutory Inspection of the Electrical Installation under Regulations 43 & 30 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 for Approval of the Electrical Inspector for Energisation (Overhead Transmission Lines) – FORM B.
- Periodical Inspection of Electrical Installation under Regulation 30 of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 – FORM C.

Q(10): Where to contact in case any grievance regarding approval of Electrical Installation above 650 V and Generating Units above 215 KVA/200 KW?

Ans: Office of the Electrical Inspector, Labour Department, D – Block, 5, Sham Nath Marg, Delhi – 110054.