

1. FUNCTIONS OF DIRECTORATE OF ELECTRICAL SAFETY ORGANISATION:

The DIRECTORATE OF ELECTRICAL SAFETY Organisation is responsible for enforcement of the provisions of following Acts and Regulations.

1. The Electricity Act, 2003 and Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010.
2. A.P. Cinemas (Regulations) Act, 1955 and A.P. Cinemas (Regulations) Rules, 1970; Rules
for Public Exhibition of Videos.
3. A.P. Electricity Duty Act, 1939 and Rules made there under.
4. The A.P. Electrical Licensing Regulations, 1987.
5. House Hold Electrical Appliances (Quality Control) Order, 2003.

This Organisation is under the administrative control of the Energy Infrastructure and Investment Department, Government of Andhra Pradesh and is headed by the Director of Electrical Safety and Chief Electrical Inspector to Government.

1. The Electricity Act, 2003 and Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010.

- (a) Approval of drawings for fresh and Additions/Alterations in the existing installations of above 650V.
- (b) Inspection and issue of statutory approvals for above 650V Installations of consumers (new as well as additions and alterations in the existing installations) under Regulation 43 of Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010
- (c) Inspection and issue of Statutory approvals for Generators installations more than 10 KW of IPs and others under Regulation 32 of Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010.
- (d) Inspection and approval of Electrical installation in high rise buildings (of more than 15 meters height) under Regulation 36 of Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010.
- (e) Statutory inspections of the Electrical Installations of Licensees and sanction holders.
- (f) Annual Inspection of all consumers of above 650V installations under Regulation 30(1) of Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010.

(g) Inspection and issue of statutory approvals for all Neon Sign and X-Ray installation under Regulation 53 & 54 of Central Electricity Authority (Measures relating to safety and Electric supply) Regulations, 2010.

(h) Inspection of temporary installation pertaining to exhibition public functions etc., under Section 54 of The Electricity Act, 2003.

(i) Investigation of Fatal and Non-fatal electrical accidents and analyze the causes thereof and recommended remedial measures under Section 161 of The Electricity Act, 2003.

(j) **Examine and finalise arbitration cases between the consumers and the suppliers/ Licensees.**

2. A.P.CINEMAS (REGULATIONS) ACT, 1955, A.P. CINEMAS (REGULATION) RULES, 1970, RULES FOR PUBLIC EXHIBITION OF FILMS ON VIDEOS AND RULES FOR CONSTRUCTION OF DRIVE IN CINEMAS:

(a) Granting of construction permission for all types of Cinemas (temporary, permanent & Semi-permanent) inspections and granting of Electrical certificates in Form 'D'.

(b) Inspection and granting of Electrical certificate for Video installations in Form D (V).

(c) Inspection of all existing Cinemas halls bi-annually.

(d) Conducting examinations for Cinemas Operators and grant of competency certificates and Cinema Operator licenses to successful candidates.

3. A.P.ELECTRICITY DUTY ACT, 1939 AND RULES MADE THEREUNDER.

(a) Inspection of Accounts of all SAOs of Discoms, Licensees/ IPPs, etc., for the purpose of assessing the Electricity Duty payable on the sale of energy and raise the Debit.

(b) Inspection of accounts of all Licensees and sanction holders in the state and assess the Electricity Duty payable and raise the Debit.

(c) The rate of Electricity Duty is 6 paise per unit of sale and consumption of energy.

(d) The Electricity Duty is exempted when the generation is for captive consumption but duty is leviable on entire consumption sale when there is third party sale.

(e) The Duty is not chargeable on sale of power wherever the price per unit is 12 paise and below.

(f) The consumption by Central Government installation, including railways is not dutiable.

(g) The duty is not leviable on consumption/sale of energy up to 16,666 units p.m. or 2 lakhs units in a year.

4. A.P.ELECTRICAL LICENSING REGULATIONS, 1987:

- (a) Grant Licenses to electrical contractors ('A' and 'B' Grade).
- (b) Grant of Supervisor and Wireman certificate of competency and Permits to eligible persons.
- (c) Oversee the proper implementation of Licensing Regulations throughout the state.

5. HOUSE HOLD ELECTRICAL APPLIANCES (QUALITY CONTROL) ORDER, 2003.

(a) For the implementation of the House Hold Electrical Appliances (Quality Control) order, 2003, the Director of Electrical Safety and Chief Electrical Inspector to Government is appropriate Authority and the Principal Secretary, Energy Department is the Appellate Authority. These orders are issued under the provision of Section 3 of Essential Commodities Act, 1955.

(b) The main objects of the order is to prevent manufacture, distribution and sale of substandard Domestic electrical appliances in the interest of public safety. Under the provisions of this order it is an offence to manufacture, distribute, store or sell any substandard appliance which is not in conformity with the specified standard with a view to strictly implement these orders the "Appropriate Authority" i.e. the Director of Electrical Safety and Chief Electrical Inspector to Government has authorised all Deputy Chief Electrical Inspector to Govt and Electrical Inspectors of the organisation to search all the electrical shops selling of HHEA and seize any unauthorized and substandard goods/ appliances and initiate action as per the provisions of essential commodities Act.

6. THE STANDARDS LABORATORY OF THE ELECTRICAL INSPECTORATE HAS THE FACILITIES TO TEST THE FOLLOWING:

1. Earth Resistance Tester (Earth Megger)
2. Insulation Resistance Tester (Megger)
3. Tong tester

The Electrical Inspector undertakes testing of consumer installations for leakage, measurement of insulation resistance of equipment and earth resistance at the request of consumers and on payment of requisite fees.

The testing facilities are available at sub divisional offices located at Guntur, Vijayawada, Kurnool, and Visakhapatnam.