

**DR. MGR HUMAN RESOURCE DEVELOPMENT
INSTITUTE OF ANDHRA PRADESH : HYDERABAD**



**ELECTRICAL INSPECTORATE
DEPARTMENT**



Dear Participants,

The State Government of Andhra Pradesh has launched a major Training and Human Resource Development initiative. For effective and efficient implementation of various programmes taken up by the Government, well trained and well informed official machinery is a must. The Government had been introducing a large number of New Programmes and launched a series of measures aimed at Administrative Reforms with the sole objective of Providing SMART (Simple, Moral, Accessible, Responsive, Transparent) Government and for providing satisfaction to the citizen.

No initiative or programme of any organisation can be successfully implemented if the functionaries are not fully involved in the programme. The best way to involve would be to make each functionary aware of his role-functions and responsibilities and making him fully conscious of what is expected of him. To achieve this, it has been considered necessary to assess the training needs of every functionary. An exercise has been launched getting the information through the OMR Formats. I am sure you too might have filled in the OMR format to facilitate our appreciation of your background, your requirements and your training needs.

It has also been felt necessary that every functionary in the department should be provided with booklets giving comprehensive information about the working of his department and also the specific job to be done by him as a functionary of the department. It has also been proposed to conduct various orientation courses, technical update programmes, general administration packages necessary for the day to day working etc. The mandate is that every public functionary should be exposed atleast to one training module every year.

In order to meet the above objectives, Dr. MCR, HRD Institute of Andhra Pradesh is bringing out a series of booklets (in coordination with the concerned Departments) covering various aspects of administration. This material can be used as course material while conducting training programmes, or general reference material by you during your day to day working.

The volume on Disciplinary and vigilance procedures was brought out in January 1999, covering important aspects of preventive & punitive vigilance. In addition, the various formats prescribed by Govt. for use in Disciplinary procedure, the procedure of inquiry in the shape of a mock inquiry and the effect of the disciplinary action on the individual are also covered. Many organisations like the vigilance commission, ACB, vigilance & enforcement dept. and various resource persons viz. Sri A. Venkat Rao, IPS (Retd.), Sri I.V. Ratna Rao, SP (Retd) CBI, Sri C.B. Shankarnarayanan IA & AS (Retd), Sri A. Venkaiah, Sri B.S. Prakasa Rao & Sri N. Kesava Murthy formerly Sr. Faculty members of the institute have contributed in preparing the synopsis on various topics. The institute acknowledges their contributions. We are thankful to Sri G.P. Rao, the then Vigilance commissioner and Sri R. Kamalanathan, the present Vigilance commissioner who has taken keen interest in guiding this effort.

Considering the changes brought out and amendments issued by the Govt., from time to time the Second Edition is revised and updated. One additional Chapter on checklists to help to follow the procedure laid down without any deviations or omissions, is added now in this Volume. The information given in these series is for training purpose only and cannot be the basis for any litigation or legal action.

Please go through the materials. If you have any suggestions, please send them directly to the Director-General, Dr. MCRHRD Institute of ^{Telangana} Andhra Pradesh, Road No. 25, Jubilee Hills, Hyderabad-33. Please quote the series number and the title of the booklet while sending suggestions.

We propose to update and revise these booklets periodically incorporating the suggestions made by the participants.

Hyderabad

Date : 23-12-2000

PVRK PRASAD IAS

Director General

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&

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INTRODUCTION

The Electrical Inspectorate is a safety organisation under the administrative control of the Energy Department in the Secretariat and is headed by the Chief Electrical Inspector to Government, of the cadre of Director of Factories and other Directorates. Originally the Inspectorate was part of Andhra Pradesh Electricity Department. Only after the permanent transfer of all the Technical Staff to the Andhra Pradesh State Electricity Board in October 1973, the Inspectorate became the only entity of the Andhra Pradesh Electricity Department and the service Rules of this Department continued to cover the Inspectorate. The Inspectorate continued to be manned by the Officers taken from Andhra Pradesh State Electricity Board on loan basis - since only a handful of officers opted to remain in Government, when options were called for, for transfer of services to Andhra Pradesh State Electricity Board in October, 1973. A real effective step in building up the technical cadre was taken in 1984, when about 25 officers of Andhra Pradesh State Electricity Board, who were working on loan basis were absorbed in Government, followed by another 8 members in 1991. New Service Rules Governing the Electrical Inspectorate were promulgated in 1990 vide G.O.Ms.No.200 Dated 7-8-1990. The 1st batch of direct recruit Assistant Electrical Inspectors were recruited for the department by the A.P. Public Service Commission in 1991 and with this the Electrical Inspectorate became an independent Government Department in all respects.

During the past two decades the functions of the Department went on multiplying, though into related fields, like licensing, quality control and assessing and collecting Electricity Duty. With the advent of privatisation of Electrical Industry right from Generation to distribution, the functions and responsibilities of the Electrical Inspectorate is set to multiply manifold and with this it was thought necessary to codify the functions and responsibilities of the organisation in general and the individual cadres in particular.

With this view, the Departmental manual dealing with the origin, evolution, duties and functions, etc. of the department and its cadres in general and the Functionary Manual dealing with these issues, especially the functions of various functionaries in particular are prepared to serve as a guide both for the Departmental Officers and others.

These manuals cover the functionaries and the functions as they stand to-day and may change from time to time depending on the need of the fast changing policies in the electricity supply Industry.

**ANDHRA PRADESH
ELECTRICAL INSPECTORATE
DEPARTMENT
PART I
DEPARTMENTAL MANUAL**

ANDHRA PRADESH ELECTRICAL INSPECTORATE DEPARTMENT

DEPARTMENTAL MANUAL

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Chapter - I

ORIGIN

As Industrialisation started taking shape in India even prior to independence, the usage of Electricity, whether generated through Hydro, Thermal or Diesel means has started picking up not only in the sphere of industry, but also in domestic, commercial and agricultural installations. Without a sound base of power development programme no modern country can hope to make headway in its industrial programme and without an industrial base a country would find it difficult to survive in international markets. Due to the inherent safety hazards in the usage of Electricity, the then Central Government has thought it necessary to bring out suitable legislation specifying certain safety standards to be followed on the lines of such existing legislations in England. The earliest legislation attempting to regulate the use of electrical energy on all India basis was in 1887 when the Electricity Act (XIII of 1887) was passed. The Act of 1887 was intended to be a temporary expedient aimed at protecting the public by means of Rules dealing with the use of electrical energy. It soon became evident that the 1887 Act would have to be thoroughly revised. The result was the Indian Electricity Act, 1903 which was later on replaced by the Indian Electricity Act, 1910 to cope with the growing scientific progress and rapid expansion of the Industry. This Act which was copiously amended for the first time in 1959 is in force even today. Section 36 of Indian Electricity Act, 1910, provides for appointment of Electrical Inspectors by the appropriate Government specifying the jurisdiction and class of works. Under this provision, Electrical Inspectors were appointed to perform the duties specified under various sections of the Act. The Act also provides for appointment of Central Electricity Board which is the supreme rule making body for the entire country.

The Central Electricity Board which is the Rule making body have formulated and issued Indian Electricity Rules, 1937, under the Indian Electricity Act, 1910 and these Rules were later repealed and replaced by Indian Electricity Rules, 1956 which are being followed even today by all the States throughout the country. These Rules regulated the day to day practical working of the Electricity supply industry in a safe and secure manner.

The provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956, are being reviewed regularly in the annual Meetings of the Central Electricity Board and necessary Amendments and improvements are being made in the provisions for both the Act and the Rules made thereunder depending on the necessity due to the Technological advancements. Accordingly, each State Government have got their own Electrical Inspectorate organisation headed by a Chief Electrical Inspector to Government and have as many Electrical Inspectors as required depending upon the work load. The purpose for creation of Inspectorate is to implement the safety provisions under the various enactments enacted by the Government from time to time and the aim is total safety in the usage of Electric Power. The electrical safety in the usage of Electric Power in the State in all the spheres of usage is ensured through the Electrical Inspectorate. The Electrical Inspectorate ensures this by providing supervision and guidance to the users by associating themselves

with the installations right from scrutiny of the electrical installation drawings and upto checking up the completed works for compliance of safety provisions. The installations cover all the spheres of electrical usage like major industries, Rice Mills, Oil Mills, Water Pumping Schemes, Hospitals, big hotels, Etc.,. The main purpose is to see that the plant and machinery as well as the operating personnel are safe from electrical shocks and other hazards.

The main enactments forming basis for the functioning of the electrical inspectorate are:

1. Indian Electricity Act, 1910,
2. Indian Electricity Rules, 1956,
3. All Indian Standard specifications relevant to the Electrical safety.
4. National Electric Code
5. A.P. Cinemas (Regulation) Act, 1955.
6. A.P. Cinemas (Regulation) Rules 1970.
7. A.P. Electricity Duty Act, 1939 (Amendment Act No., 10 of 1985 of A.P. State) and
9. House Hold Electrical Appliances (Quality control) Orders 1981.

Chapter - II

EVOLUTION OF THE DEPARTMENT OVER TIME

Under the provision of Section 36 of Indian Electricity Act, 1910 the erstwhile Madras Government was having a post of Chief Electrical Inspector to Government in the cadre of Chief Engineer for the entire State and an Electrical Inspector in the cadre of Executive Engineer was looking after the functions of Electrical Inspector under the Act for the Andhra Area till the formation of separate Andhra State. After formation of Andhra state in 1953, the Chief Engineer/Electricity Projects was entrusted with the functions of the Chief Electrical Inspector and the post of electrical inspector in charge of Andhra area in the erstwhile Madras State was shifted to Kurnool, the then capital of Andhra State along with the supporting staff. In the erstwhile Hyderabad state there was a separate post of Chief Electrical Inspector to Government with Headquarters at Hyderabad in the cadre of Executive Engineer. Eventhough the post was of the cadre of Executive Engineer it was designated as Head of the Department for the purpose of Administrative convenience. After the formation of Andhra Pradesh, the Chief Engineer (P&B) was entrusted with the functions of Chief Electrical Inspector to Government and the Electrical Inspector, Kurnool was having jurisdiction over the entire Andhra Area and the erstwhile Chief Electrical Inspector to government of Hyderabad which was of the Cadre of Executive Engineer was counted as Electrical Inspector for Telangana area. In February, 1958 these two Electrical Inspector posts were redesignated as Electrical Inspector, Andhra Pradesh (West) Hyderabad, incharge of Telangana area and Electrical Inspector, Andhra Pradesh (East) Kurnool, in - charge of Andhra Area. This position continued till September, 1968 when a separate and independent and whole time post of Chief Electrical Inspector to Government in the cadre of Superintending Engineer (Electrical) was created vide G.O.Ms.No.1400, Public Works Department, dated 10.9.1968 and started functioning since 14.9.68. The Government has declared this post of Chief Electrical Inspector to Government as Head of the Department vide G.O.Ms.No.1141, dated 8.8.1969.

The appointments and posting to the various posts of Technical and Non-Technical, gazetted viz. Assistant Accounts Officer/Accounts Officer on Non-Technical side and Assistant Electrical Inspector/Deputy Chief Electrical Inspector to Government and Chief Electrical Inspector to Government on Technical side are governed by Special Rules issued vide G.O.Ms.No.200, Energy, Environment, Science and Technology Department, dated 7.8.1990. As per these Rules the entry post in the Technical Side is Assistant Electrical Inspector and selection is through Andhra Pradesh Public Service Commission, minimum eligibility being graduate in electrical Engineering with 3 years experience (As provided under I.E.Rule 4(B)).

The post of Chief Electrical Inspector to Government was upgraded to the rank of Chief Engineer in G.O.Ms.No.521, Irrigation and Power (Ser.I) Department, dated 6.7.1976. Consequent to this upgradation, there was no feeder post in the organisation in between the Chief Electrical Inspector to Government (of the cadre of Chief Engineer) and Electrical Inspector (of the cadre of Executive Engineer). To obviate this problem, the Government have upgraded the Electrical Inspector's post at Hyderabad to the cadre of Superintending Engineer vide G.O.Ms.No.201, Irrigation and Power (Pr.II) Department, dated 1.5.1981 and designated it as Deputy Chief Electrical Inspector to Government. This Deputy Chief Electrical Inspector to Government was asked to function as electrical Inspector, Andhra Pradesh (West) Hyderabad and assist the Chief Electrical Inspector to Government in the Head Office Functions.

In view of the increased work load in Andhra Area, the Government vide G.O.Ms. No. 68, Energy, environment, Science and Technology (Pr.II) Department, dated 27.12.1983 has sanctioned a post Electrical Inspector of Visakhapatnam with jurisdiction over the Districts of East Godavari, West Godavari, Visakhapatnam, Vijayanagarm and Srikakulam along with the required supporting staff. With this the number of Electrical Inspector posts has gone up to three in the State i.e. one Deputy Chief Electrical Inspector to Government and 2 electrical Inspectors and all the three Regional electrical Inspectors are under the direct control of the Chief Electrical Inspector to Government.

ELECTRICITY DUTY:

Consequent on the State Government's empowerment for collection for electricity Duty on all sales of energy in their State in Act No. 10 of 1985 of Andhra Pradesh State i.e. Andhra Pradesh Electricity Duty Act, 1939, the Andhra Pradesh Government has appointed Chief Electrical Inspector to Government as the Designated Officer for assessing and collecting Electricity Duty from the sales of energy by Andhra Pradesh State Electricity Board and from other Licensees and sanction holders, Vide Section 3 of A.P. Electricity Duty Act 1939 and Rule 2(b) of A.P. Electricity Duty Rules. For the purpose of effectively carrying out these duties the Government have sanctioned additional posts in the cadre of Electrical Inspector (One post), Assistant Electrical Inspector (2 posts) and other supporting accounts staff vide G.O.Ms.No.90, Energy, Environment, Science and Technology (Pr.II) Department dated 26.11.1986. Even though this function do not exactly fit into the aims and objects of the Electrical Inspectorate, as the sole agency of government in the field of Electricity, the Inspector has been entrusted with the subject.

ANDHRA PRADESH ELECTRICAL LICENSING REGULATIONS

The Andhra Pradesh Electrical Licensing Regulations, were struck down by the Order of Hon'ble High Court in the year 1970 as Ultra vires on challenge from some of the Contractors. After suitable amendment to Section 37 of Indian Electricity Act by

introducing a new section, 37 (A) the State government has constituted Andhra Pradesh Electrical Licensing Board and promulgated Andhra Pradesh Electrical Licensing Regulations, 1987. Vide G.O.Ms.No.1EES & T (Pr.II) Department dated 2.1.1987. For the effective implementation of safety standards in the field of electricity supply and usage it is essential to have qualified and experienced personnel for installation and maintenance of electrical installations. Hence it is necessary to identify such people and license them to carry out these duties. For the purpose of implementation of these Licensing Rules additional staff was sanctioned in all Regional Offices and Headquarters vide G.O.Ms.No.58, Department, dated 4.8.1986. The Chief Electrical Inspector to Government was designated as Ex-Officio Chairman of Andhra Pradesh Electrical Licensing Board and the Deputy Chief Electrical Inspector to Government, Hyderabad was designated as Ex-Officio Secretary, Andhra Pradesh Electrical Licensing Board.

Due to the increased work load as explained in paras above specially for the Deputy Chief Electrical Inspector to government, in view of his functioning as Secretary, Electrical Licensing Board and also as Electrical Inspector for the entire Telangana Area in addition to head office duties it was felt necessary to create a second post of Deputy Chief Electrical Inspector and distribute the workload. Accordingly the government has sanctioned an additional post of Deputy Chief Electrical Inspector to Government with Headquarters at Hyderabad Vide G.O.Ms.No.115, Energy, Environment, Forests, Science and Technology (Pr.II) Department, dated 15.4.1991. The two posts were designated as Deputy Chief Electrical Inspector to Government, Hyderabad and Deputy Chief Electrical Inspector to Government, Hyderabad (Rural). The Deputy Chief Electrical Inspector to Government, Hyderabad was also designated as Ex-Officio Secretary, Andhra Pradesh Electrical Licensing Board and Cinema Operators Examination Committee and was appointed as electrical Inspector for the districts of Hyderabad and Ranga Reddy. The Deputy Chief Electrical Inspector to Government, Hyderabad (Rural) was appointed as electrical Inspector for the remaining 8 districts of Telangana area.

In view of the general increase in the work load in Andhra Area and in view of the unwieldy jurisdiction of Electrical Inspector, Kurnool extending upto Krishna district, it was felt necessary to have another post of Electrical Inspector for carrying out the field duties at Vijayawada. After reviewing the nature of Electricity Duty work, it was felt that it is not necessary to have a full time Electrical Inspector for this work and this can be entrusted to an Officer at Head Office. With this view, the electrical Inspector's post at Hyderabad sanctioned for Electricity Duty work, was shifted to Vijayawada and a new field Division was formulated with jurisdiction over the districts of Guntur, Krishna and West Godavari Vide G.O.Ms.No.2, Energy, Environment, Forests, Science and Technology (Pr.II) Department dated 3.1.1992. Necessary supporting staff like Assistant Electrical Inspectors, Superintendents, Senior Assistants, etc. were diverted from the Division Offices at

Visakhapatnam, Kurnool and the Head Office. Since both the posts of Deputy Chief Electrical Inspectors to Government are located at Hyderabad. The Government with a view to create a post of Deputy Chief Electrical Inspector to Government for Andhra region has, in 6/97 upgraded the Electrical Inspector post at Kurnool to the cadre of Dy. Chief Electrical Inspector to Government while retaining the same powers and responsibilities. With this the number of Deputy Chief Electrical Inspectors to Government posts in the department has gone up to three, while the posts of Electrical Inspectors came down to two.

For assisting the Electrical Inspector at Kurnool in the field work 5 Nos. Posts of Assistant Electrical Inspectors (Presently Deputy Electrical Inspector) and 13 Nos. Posts of Junior Engineers (Presently Assistant Electrical Inspector) were sanctioned for the Kurnool Division and 4 Nos. of Assistant Electrical Inspector and 10 Nos. of Junior Engineers were sanctioned for Electrical Inspector /Hyderabad. Originally all the Technical personnel were functioning from the respective division offices. Later on during 11/65 independent Sub-division offices were opened with Headquarters at Visakhapatnam, Vijayawada, Nellore, Kurnool, Warangal, Nizamabad and Hyderabad. The sub-divisions were kept in-charge of about three Districts each except for the Sub-division at Hyderabad which was having jurisdiction over the Twin Cities of Hyderabad and Secunderabad. Later on due to increase in work load additional sub-divisions were created at Rajahmundry, Kakinada, Eluru, Vijayawada, Guntur and at Hyderabad. At present there are 22 field sub-divisions headed by Deputy Electrical Inspectors and 4 posts of Deputy Electrical Inspectors at Head Office for assisting the Chief Electrical Inspector to Government.

In the two decades between 1970 and 1990, there was almost doubling of the work load in the organisation i.e. the No. of inspections of H.T.s and Cinemas, X-Ray and Neonsigns and under section 30. As on 3/83 there were 2012 Hts/EHVs and 2133 Cinemas in the State. In addition to this Neosign / X-Rays 500 to 600 in the State which were approved. By 3/92, the figure has gone upto 2997 HV/EHV and 2863 Cinemas in addition to X-ray/Neosign and Section 30 Installations. Because of this increase, a new Division was created at Vizag with full compliment supporting staff. The creation of Vijayawada Division in 1/92, was only done by rearranging the jurisdiction and division of posts for various places. The real expansion was effected at the field level in 1992-1993 by creating 10 additional subdivisions, because of the doubling of the workload as suggested above. These 10 sub-divisions were created by rearranging the jurisdiction keeping in view the workload of about 200-300 inspections per subdivision. Even here, only post of Deputy Electrical Inspectors and a few watchmen posts were sanctioned, whereas the posts of Assistant Electrical Inspectors were diverted from other Divisions/Sub-divisions.

Chapter - III

PRESENT ROLE OF THE DEPARTMENT

The role of the electrical Inspectorate department as envisaged originally was to implement the safety provisions as contained in Indian Electricity Act, 1910 and Rules made thereunder and also the provisions of various Indian Standards specifications in all spheres of activity involving usage of electric Power. Originally the Inspectorate was also inspecting and issuing safety certificates for Medium Voltage installations, but later on the role of the organisation was limited to inspection of all consumer's installations receiving supply at High and Extra High Voltage because of the limited strengths of the organisation. After stabilisation of the organisation in the recent years, the Inspectorate started inspections of all the MV installations covered by the provisions of Rule 50-A of Indian Electricity Rules, 1956 and Section 30 of Indian Electricity Act, 1910. In addition to the implementation of the above mentioned safety provisions, the organisation was later on entrusted with the implementation of the Andhra Pradesh Cinematograph Act and also Rules made thereunder to the extent of Electrical and fire safety. The electrical Inspectorate was also entrusted with the implementation of Andhra Pradesh Electrical Licensing Regulations for the purpose of Licensing Electrical Contractors and granting of permits to supervisors and Wiremen as per the provisions of Rule 45 of Indian Electricity Rules, 1956. The Government have promulgated Andhra Pradesh Electricity Duty Act in the year 1984 and have appointed the chief Electrical Inspector to Government as the Designated Officer for assessing the quantum of Electricity Duty payable by the Andhra Pradesh State Electricity Board and other Licenses and sanction holders in the State. With this the role of the Electrical Inspectorate has widened from the originally intended to be a safety organisation to that of a Revenue assessing and collecting agency also. In January, 1995, Government have transferred the functions of implementation of the provisions of House Hold Electrical Appliances (Quality Control) Order, 1981, under the Essential Commodities Act from the purview of the Industries Department to the Electrical Inspectorate vide G.O. Ms. No. 30, General Administration (AR&T. Desk) Department, dated 27.1.1995 and also appointed the Chief Electrical Inspector to Government as the Appropriate authority to implement the provisions under the Quality Control Orders Vide G.O. Ms. No. 16 of Energy and Forests (Pr. II-2) Department, dated 31.1.1995. These orders empowers the designated officers to inspect the premises of manufacturers, wholesalers and retailers of the electrical appliances listed under the Act, verify whether they are in accordance with the provisions of the Act and take appropriate action including confiscation, if any violations are observed or noticed i.e. to conduct search and seizure operations. As per the provisions of these orders, the manufacturers are expected to provide all the relevant technical and other particulars either on the appliance itself or on the enclosure or carton like the manufacturing permit number the relevant ISI number etc.,

So, the organisation, which was originally conceived as an agency for implementation of the provisions of Indian Electricity Act, 1910 and rules made thereunder and the provisions of various Indian standards have now developed as an organisation looking after the diversified functions covering the areas of safety, Quality Control, Licensing and Revenue Collection under the various Enactments mentioned above.

Chapter - IV

ORGANISATION STRUCTURE CHART

Staff Chart enclosed at p. 32 & 33 & 34

Chapter - V

ROLE OF EACH CATEGORY

1. CHIEF ELECTRICAL INSPECTOR TO GOVERNMENT:

The Chief Electrical Inspector to Government is the Head of the department having jurisdiction over the entire State and his functions can be broadly categorised as (a) Administrative and (b) Technical.

On the statutory side he is the "Electrical Inspector" for the entire State of Andhra Pradesh in respect of HV and EHV Electrical installations having an aggregate installed transformer capacity of 1000KVA and above. He discharges all the functions of the "Electrical Inspector" under the Act in implementation of the provisions of Indian Electricity Act 1910 and the Rules made thereunder. He will also oversee the discharge of statutory/technical functions by all other technical officers in the organisation.

As Chief Electrical Inspector to Government, he is Ex-Officio Chairman of Andhra Pradesh Electrical Licensing board and Andhra Pradesh Cinema Operators Examination Committee. He is also the Designated authority under the Andhra Pradesh Electricity Duty Act 1939 for assessing and collecting Electricity Duty from all Licensees and Sanction Holders including Andhra Pradesh State Electricity Board. He is also the "Appropriate Authority" for implementation of the provisions of House Hold Electrical Appliances (Quality Control) Order,

2. DEPUTY CHIEF ELECTRICAL INSPECTOR TO GOVERNMENT/ELECTRICAL INSPECTOR:

At present the Deputy Chief Electrical Inspectors to Government who are of the cadre of Superintending Engineer and the Electrical Inspectors who are of the cadre of Executive Engineer are vested with the following Statutory/Technical powers:

- i. Inspection and approvals (including approvals of drawings) of all electrical Installations having aggregate installed Transformer capacity of below 1000KVA and receiving supply at high voltage (I.E. Rule 63).
- ii. Inspection and approval (including approval at drawings) of all Multistored buildings of more than 15 ft. (I.E. Rule 50A)
- iii. Inspection and approval (including approval of drawings) of all Neonsign and X-Ray installations (I.E. Rule 71 and 73).

- iv. Inspection and approval (including approval of drawings) of all installations covered under the provisions of Section 3 of Indian electricity Act, 1910 having a connected load of 75HP and above and receiving supply at Medium voltage.
- v. Renewal of Electrical Contractors Licenses and Permits of Supervisors/Wiremen.
- vi. Inspection under A.P. Electricity Duty Act for assessment of Electricity Duty.
- vii. Inspections under House Hold Electrical Appliances (Quality Control) Order, 1981 including searches and seizures.
- viii. Investigation of all Major Fatal Electrical accidents involving human fatalities.

They have administrative and technical control over the sub-divisional Officers (i.e.) Deputy Electrical Inspectors and their staff with their jurisdictions.

The Deputy Chief Electrical Inspector to Government, Hyderabad is also the Ex-Officio Secretary to Andhra Pradesh Electrical Licensing Board and Andhra Pradesh Cinema Operators Examination Committee in addition to his functions as "Electrical Inspector."

3. DEPUTY ELECTRICAL INSPECTORS:

The Deputy Electrical Inspectors are sub-divisional Officers having jurisdiction ranging from Half a District to two Districts depending upon the work load.

The main functions of the sub-division Officers i.e. the Deputy Electrical Inspectors are:

- a)
 - i. Periodical Inspection of all consumer installations receiving supply at HV/EHV (Rule 46)
 - ii. Periodical inspection of all electrical Installations of Multistoryed Buildings of more than 15 ft in height.
 - iii. Periodical Inspection of all Neonsign/X-Ray installations.
 - iv. Inspection and approval of all Electrical installations covered under Section 30 of Indian electricity Act, 1910 and having connected load below 75HP.
 - v. Investigations of all fatal/Non-fatal Electrical accidents.
- b)
 - i. Conducting inspection of Cinema buildings under the provisions of Andhra

Pradesh Cinematograph Act and Andhra Pradesh Cinemas (Regulation) Rules, 1970 and to grant/renew electrical and Fire Certificates.

- ii. Renewal of Cinema Operators Licenses.
- c) i. Carryout inspections and conduct search and seizure operations under the House Hold Electrical Appliances (Quality Control) Orders, 1991.

They are assisted by the Assistant Electrical Inspectors under their control.

There are 22 Nos. Sub-division offices in the organisation, each headed by a Deputy Electrical Inspector. In addition to these 22 Deputy Electrical Inspector Posts, there are 4 nos. Deputy Electrical Inspectors posts in the head office for assisting the Chief Electrical Inspector to government in the matters of Standard/ Testing Laboratories (Deputy Electrical Inspector/ Standards Laboratory), Electrical Licensing (Deputy Electrical Inspector/ Licensing), cinemas (Deputy Electrical Inspector/Cinemas) and Technical/ statutory matters (Deputy Electrical Inspector/ Technical).

4. ASSISTANT ELECTRICAL INSPECTORS:

They are not independent functionaries but function as either case workers in the Offices or assist the other Officers in field inspections.

There are 42 Nos. Assistant Electrical Inspectors posts in the organisation, 24 in all the Sub-division offices working under the control of Deputy Electrical Inspectors and 7 nos. in the head office working under Chief Electrical Inspector to government and 11 nos. in regional offices Working under the control of Deputy Chief Electrical Inspectors to Government/Electrical Inspectors.

ACCOUNTS OFFICERS:

Two posts of Accounts Officers were created in 1986 exclusively for Electricity Duty work, both the Accounts Officers are stationed at the Head Office and are designated as Inspecting Officers under the Andhra Pradesh Electricity Duty Act along with Deputy Chief Electrical Inspectors to Government/Electrical Inspectors, Vide G.O. Ms. No. 90, Energy, Environment, Science and Technology Department, dated 26.11.1986 and G.O. Ms. No. 79, Energy, Environment, Science and Technology Department, dated 31-8-1987.

ASSISTANT ACCOUNTS OFFICERS:

There are 7 posts of Assistant Accounts Officers in the organisation. Out of this 2 Assistant Accounts Officers posts are in the Head Office, assisting the Chief Electrical Inspector to Government in the matters of Administration and Accounts. The remaining 5

posts are in the 5 Regional Offices i.e. 3 in the Offices of Deputy Chief Electrical Inspectors to Government and 2 Electrical Inspectors. These Assistant Accounts Officers assist the Regional Officers in conducting inspection of Electricity Duty Accounts of Circle Offices of Andhra Pradesh State Electricity Board/A.P. TRANSCO, finalising and submitting reports to Chief Electrical Inspector to Government.

SUPERINTENDENTS:

There are 9 posts of superintendents in the organisation, 6 in Head Office and 3 in the 3 Regional Offices. Out of the 6 posts in Head office, 2 are in the electricity Duty work assisting the 2 Accounts Officers, one each in Cinematography Section, assisting the Deputy Electrical Inspector/Cinemas, one in Licensing, One in Administration Section, assisting the Assistant Accounts Officer/Administration and one in Accounts section assisting the Assistant Accounts Officer/Accounts and Drawing and Disbursing Officer. The 3 Superintendents in 3 Regional offices are located in the Deputy Chief Electrical Inspector to Government/ Hyderabad (Rural), Electrical Inspector Vijayawada and Electrical Inspector/Vizag. These 3 Superintendents, assist the Deputy Chief Electrical Inspector to Government/Electrical Inspectors in the routine Accounts/Administration works.

SENIOR ASSISTANTS:

There are 28 Nos. of sanctioned posts of Senior Assistants in the organisation, 10 working in the various sections of Head Office and the balance 18 working in the Regional Offices and Sub-divisional offices. All the 10 Senior Assistants at head Office work under the respective Section Officers under their guidance.

Out of 18 posts in field, 11 posts of Senior Assistants are in the 5 Regional Offices and 7 posts are in 7 Sub-divisional offices. The 11 Senior Assistants in the Regional Offices work under the control of either the Superintendent in the Accounts/Administration work or under the Assistant Accounts Officers in attending to the Electricity Duty works. The 7 Nos. Senior Assistants one each in 7 sub-divisions work under the control of the head of Office i.e. Deputy Electrical Inspectors. This arrangement is existing in all the originally sanctioned sub-divisions where Senior Assistant post was specifically created for attending to the works connected to Establishment, Pay Bills, and all Accounts works, Inward, despatch etc.,

JUNIOR ASSISTANTS:

There are a total of 34 Junior Assistants posts in the organisation, 19 nos, in Head Office, 13 Nos. in Regional Offices and 2 in Sub-divisional offices. All the Junior Assistants work under the control of the concerned Section superintendents in Head Office and

in Regional Offices, Except for the 2 Junior Assistants in 2 Sub-division offices who work under the direct control of Deputy Electrical Inspectors.

SPECIAL CATEGORY STENOGRAPHER/L.D. STENO:

The post of Special Category Stenographer is in the Head Office under the direct control of Chief Electrical Inspector to Government and 3 L.D. Stenos are in Regional Offices at Hyderabad, Kurnool and Visakhapatnam who work directly under the control of Deputy Chief Electrical Inspectors to Government/Electrical Inspectors.

TYPIST:

There are 13 Typists posts in the organisation, 5 in Head Office, 6 Nos in 3 Regional Offices and 2 in 2 sub-divisional offices.

RECORD ASSISTANTS:

There are 3 posts of Record Assistants in the organisation, 2 in Head Office and 1 at Deputy Chief Electrical Inspector to Government, (Rural) Office. Further there is one post of shroff in the Regional Office, Office of Deputy Chief Electrical Inspector to Government, Hyderabad (Rural).

DRIVERS:

There are 5 posts of Drivers in the Organisation, 2 in Head Office and 3 in Regional offices i.e. Office of Deputy Chief Electrical Inspector to Government, Hyderabad (Rural), Deputy Chief Electrical Inspector to Government/Kurnool and Electrical Inspector/ Visakhapatnam.

ATTENDERS:

There are 57 posts of Attenders in the organisation, 14 posts in Head Office, 23 in 5 Regional offices and 20 in 8 Sub-division Offices. In addition, there is one post of Sweeper in Head Office and 3 posts like Chowkidar, Farash and Mali underclass IV in Regional office, Office of Deputy Chief Electrical Inspector to Government, Hyderabad (Rural)

WATCHMEN:

There are 17 Nos. posts Watchmen in the organisation, 2 in Head Office, 2 Nos each in the Regional offices at Kurnool and Visakhapatnam and 13 Nos. in 13 sub -division Offices.

TESTER/ELECTRICIAN/TRACER:

There are 1 Tester AND 1 Electrician and 1 Tracer in the Head Office.

Chapter - VI

MAJOR ENACTMENTS

The following are the major enactments and rules issued thereunder which are applicable to the functionaries of the Department.

TECHNICAL

1. Indian Electricity Act 1910
2. Indian Electricity Rules 1956
3. All the Relevant Indian Standards Specifications.
4. National Electric Code.
5. A.P. Cinemas (Regulations) Act 1955
6. A.P. Cinemas (Regulations) Rules 1970.
7. A.P. Electrical Licensing Regulations 1987.
8. House hold Electrical Appliances (Quality Control) Order 1981, 1988, 1989 & 1993.
9. A.P. Electricity Duty Act 1939 (Amendment Act No.10 of 1985) and Rules made thereunder.

ADMN./ACCOUNTS

10. A.P. State & Subordinate Service Rules.
11. A.P. Ministerial Service Rules.
12. A.P. General Subordinate Service Rules.
13. A.P. Last grade Service Rules.
14. A.P. Electrical Inspectorate Service Rules vide G.O.Ms.No.200 EFES & T Dept. dt.7-8-1990.
15. A.P. Fundamental Rules.
16. A.P. Financial Code Vol I & II
17. A.P. Budget Manual
18. A.P. Revised Pension Rules 1980.
19. A.P. TA Rules and Manual of Spl. pay and allowances.

20. A.P. Treasury Code Vol I & II
21. A.P. General Provident Fund Rules.
22. A.P. Govt. Life Insurance Fund Rules.
23. A.P. Govt. Employees Family Benefit Rules.
24. A.P. State Govt. Employees Group Insurance Scheme Rules.

Chapter - VII

AREAS OF INTERFACE WITH GENERAL PUBLIC AND WITH OTHER DEPARTMENTS

(A) WITH GENERAL PUBLIC:

At present the electrical Inspectorate organisation is entrusted with the enforcement of Electricity safety regulations in electrical installations receiving/utilizing Electricity at High or Extra High Voltage, all types of Cinema buildings, Quality Control inspections under the House Hold electrical Appliances (Quality control) Order 1981, in the premises dealing with manufacture, storage and sale of such appliances, Licensing of Electrical contractors, Supervisors and Wiremen and collection of Electricity Duty from Licensees and Sanction Holders.

In all the above areas of functioning there is no inter-face with the general public at the cutting edge level as the dealings are limited to some specific classes of consumers/manufacturers/dealers.

(B) WITH OTHER DEPARTMENT:

In discharge of most of the functions, the Electrical Inspectorate Officials come in contact with the officials of A.P. Transco/Genco and the Revenue Department. To a limited extent they also interact with the officials of Technical Education Department, Police Department and Weights and Measures Department.

The area of interface with A.P. Transco:

- a) At the time of commencement of supply to a new HV/EHV/ Electrical Installation or recomencement of supply to an installation which has been under disconnection for a period of more than one year.
- b) For the purpose of disconnection of supply to a consumer for failure to pay inspection fees towards periodical inspection and for failure to rectify the defects pointed out during such inspections.
- c) For the purpose of rectification of defects pointed out during the investigation of Electrical accidents in the supplier's installation i.e installations belonging to A.P. Transco/ A.P.Genco.
- d) In cases of disputes arising between the consumers and suppliers in matters of installation charges and the quantum of energy metered under different provisions of Indian Electricity Act, 1910 and the rules made thereunder.

Interface with Revenue Department:

- a) The licensing authorities in respect of all Cinema theatres in the State (Except in twin cities) are the District Collectors. The Electrical Inspectorate officials specially at the sub-divisional level deal with the District Collectors and Revenue Divisional Officers in matters of issue of Electrical and Fire certificates to all Cinema and Video installations. In the twin cities of Hyderabad and Secunderabad they deal with the Police Commissioner, he being the designated Licensing authority.
- b) In the implementation of the provision of House Hold Electrical Appliances (Quality Control) Order, the electrical Inspectorate officials will be dealing with the Joint Collectors in the matter of disposal of the seized defective Electrical appliances under the provisions of the Essential Commodities Act.
- c) In the matter of recovery of Electricity Duty arrears due by the Licensees as who undertake business of sale of Electricity, the District Collectors of the concerned District, for initiating action, for the recovery as arrears of Land Revenue under the provisions of R.R. Act.

Technical Education Department:

In respect of implementation of Andhra Pradesh Electrical Licensing Regulations the Inspectorate deals with the officials of the Technical Education Department for the purposes of conducting Supervisor/Wireman examinations in various Polytechnics and I.T. Is.

Police Department

Finally the inspectorate officials will be interacting with the Police Department in matters of fire accidents due to suspected Electrical short circuits and in cases of loss of life due to Electrical accidents for the purposes of obtaining Panchanama and Post mortem Reports and any other relevant documents while investigating Electrical accidents.

Chapter - VIII

FUTURE PROSPECTS AND VISION OF THE DEPARTMENT

The scope of inspection powers of the Department till recently in respect of new Electrical installations is confined to H.V. and E.H.V. installations only.

In view of the accelerated industrial development, number of industrial units are coming up in the small scale sector which usually receive supply at medium voltage. The A.P.transco officials being the designated 'Electrical Inspectors' for these installations are expected to inspect the safety aspects in all these installations before releasing supply but the A.P.transco being basically a works organisation, the staff handling the release of supply to these installations neither has the required expertise nor the time to pay sufficient attention to these safety aspects. Thus the most important aspect of Electrical safety in such installations is being ignored. Further the consumers, in general, are also ignorant of the hazards involved in usage of Electricity in such installations. This is drastically compromising the safety of the personnel working in such industrial undertakings. Further, the threshold of release of supply at High tension is recently enhanced from 75 HP to 150 HP by the A.P. Transco due to which many Electrical Installations, which would have been subject to inspection by the Electrical Inspectorate remained outside the ambit of safety inspections by the Electrical Inspectorate. These installations by virtue of their size involves not only the usage of large quantities of power but also involves larger work force.

Since it is imperative that they should not go unchecked and since any Laxity in the implementation of the safety provisions will result in avoidable accidents damaging not only the plant and machinery but also causing injury and loss of life to the operating personnel, all the Electrical Installations covered by the provisions of Section 30 of Indian Electricity Act, 1910 are also brought under the ambit of Electrical Inspectorate recently.

By taking up this work, the Electrical Inspectorate has started implementing the provision existing under Section 30 of Indian Electricity Act, 1910. This provision acquires importance from the fact, the most of such premises/installations covered by the Factories Act 1948, uses not only bulk power but also involves employment of reasonable to large work forces. This is more so in cases of labour intensive industrial units like Rice Mills, Oil Mills, cotton ginning mills etc., All these installations mostly come under medium voltage category, especially now that the category has been enhanced to 150 HP. By bringing all the installations covered under the Factories Act 1948, to the control of Electrical Inspectorate, the basic aspect of Electrical safety in Industries has been achieved. Even so large areas of usage of power are left without the benefit of proper safety inspection.

As per the statistics available with the Electrical Inspectorate majority of the electrical accidents occurring in the State are one supplier's installations i.e. on the A.P. Transco's lines/Sub-stations. Quarterly Returns on all the accidents occurring in the State are being sent to the Government in addition to serving defects notice on the concerned Assistant Divisional Engineers/Operation of A.P. TRANSCO but unfortunately the remedial action from the A.P. TRANSCO after investigation into the causes of each and every accident. The Government in turn is also communicating the major observations to the Managing Director/A.P. Transco. But unfortunately, the remedial action from the A.P. TRANSCO side is not at all encouraging. The same old practices in construction and maintenance are being followed without reference to the various construction standards and safety provisions resulting in almost similar accidents. Actually the A.P. Transco should set an example to ordinary consumers in the matters of construction methods and safety standards. However since the supplier i.e. the erst- while A.P. State Electricity Board officials were designated as Electrical Inspectors for their own installations as well as installations receiving supply at Low and Medium Voltage the safety aspect is completely ignored. Eventhough the Government have not yet issued any orders appointing A.P. Transco officials as Electrical Inspectors for their installations, the old practice is being continued. G.O. Ms. No. 4, dated 18.1.1997 specifies scales of inspection fees to be collected from the consumers for all types of services. The supplier i.e. formerly A.P. State Electricity Board and presently the A.P. Transco were expected to collect inspection fee, from all the Medium Voltage and low voltage installations and inspect them once in every three years and once in 5 years respectively. This function, they have never carried out resulting in huge Revenue loss to the State government. On the basis of number of MV And LV installations in the State as on 31.3.1999, the average annual inspection fee that could have been collected by the A.P. State Electricity Board/A.P. Transco is about Rs. 5,44,00,000/-. The approximate loss of revenue to Government on this account including for all the previous years will be more than Rs. 72 Crores. The Government will have to examine this issue afresh in consultation with the chief electrical Inspector to Government.

The "Vision" or future ambition of the electrical Inspectorate is to have a safe and accident free Electrical power system in the State. But on a practical level we can reasonably aspire for a system with a minimum number of accidents. To achieve this it is absolutely essential to strengthen the safety organisation. In future we may have a number of private Generation/ Transmission/ Distribution Companies operating in the State. These companies will not only inherit all the ills of the present parent but also will have an additional item of "Profit motive." It is neither advisable nor practical to entrust the safety inspection to those agencies. Eventhough this may not be an immediate necessity, but it is inevitable. The Government has to keep this in view and the safety organisation i.e. Electrical Inspectorate shall be strengthened in stages so as to be ready to take-up the addi-

tional responsibilities. For this to materialise, a time frame of about 10 years should be assumed and necessary proposals shall be formulated to strengthen the organisation, to meet the additional work load which will arise out of the privatisation in the power sector.

Another important aspect of safety that require more attention that is being shown at present is the implementation of the provisions of House Hold Electrical Appliances (Quality Control) Order, 1991 under the Essential commodities act, recently transferred to the Electrical Inspectorate from the Industries Department. The inspectorate was asked to implement these orders without giving any additional staff. The implementation of these orders are of utmost importance in the interest of safety of public in general. As more and more people start using the Electrical House Hold appliances the chances of accidents due to spurious appliances of doubtful safety are increasing manifold and it is highly essential that an efficient monitoring organisation is built up within the Eelctrical Inspectorate to combat the menace of spurious and hazardous house hold appliances. Last but not the least is to strengthen the testing Laboratories under the control of Chief Electrical Inspector to Government at present. The original Standards Laboratory was established with the main purpose of testing and calibrating measuring instruments belonging to A.P.State Electricity Board and the consumers since the Chief Electrical Inspector to government is the arbitrating authority for metering and other disputes under the provisions of Section 26 of Indian Electricity Act, 1910. The services of this Laboratory will be required more and more in future in view of the privatisation of power distribution. The other Laboratory has been transferred from the control of Industries Department along with the quality control Subject. The importance of accurate and upto date testing facilities need not be over emphasised in effective implementation of quality Control Measures. There is urgent need. to upgrade the testing equipment and other facilities in these testing Laboratories.

There is urgent necessity to strengthen the Electrical Inspectorate organisation initially atleast to the level of reasonable and effective coverage of the tasks mentioned above in addition to streamlining and reorganising the existing set up. In the last 8 years, the No. of HT/EHT installations has gone upto 3327 (as on 31.3.1999) and No. of Cinemas around 2900, in addition to about 400 Multistoreyed buildings and around 600-700 Xray/Neosigns. Added to this, the government has transferred the work of implementation of House Hold Electrical Appliances (Quality Control) Orders to this Department without sanctioning any additional staff. About 800 Inspections were conducted under this Order during last 3 years. This would have been much more if the additional staff and the vehicles are provided. In addition to this, because of the implementation of Electrical Licensing Regulations, the Office work pertaining to issue/renewal of Contractors Licenses and Supervisor/Wiremen Permits has gone up in all the Deputy Chief Electrical Inspectors to Government/Electrical Inspectors Office. Similarly because of delegation of Cinema Operator renewal work to Deputy Electrical Inspectors, their Office work load has also gone up. Additional staff with sufficient Budgetary support for vehicles, T.A.Bills etc. shall be provided to streamline these

additional and important tasks of public safety. The time frame for these limited functions can be set as between 3 to 5 years. After strengthening the organisation to effectively and efficiently take up the above mentioned functions with the additional staff/vehicles to be sanctioned, the Inspectorate should look forward to implement the safety provisions in the larger areas of Electricity Generation, Transmission and Distribution under the control of private Licensees and sanction Holders in a longer time frame of about 10 years with the help of a rejuvenated and strengthened organisational set up. The details of the proposed changes is indicated below for guidance.

As already briefly mentioned above, it is necessary to reorganise and beef up the organisation to achieve the goal of "Power without accidents" or "Power with minimum accidents." The present organisational structure needs to be modified because of some basic organisational anomalies and addition, upgradation and readjustment of posts at certain levels is a must to achieve the short term objectives before going for wholesale expansion/reorganisation to achieve the long term objective. Major anomalies in the organisation structure are:

1. The structure is not pyramidal like in all other organisations i.e. both Deputy Chief Electrical Inspectors to Government and Electrical Inspectors are vested with identical powers and responsibilities and are working directly under the Chief Electrical Inspector to government eventhough the Deputy Chief Electrical Inspector to Government is a promotion post from the category of Electrical Inspector.
2. There are 3 posts of Deputy Chief Electrical Inspectors to government and only 2 posts of Electrical Inspectors. This is a glaring anomaly, wherein there are more number of posts in the higher cadre than in the Lower cadre which is the channel of promotion. Because of this anomaly there are no Electrical Inspectors now in the Department for promotion to the vacant posts of Deputy Chief Electrical Inspectors to Government.

To rectify these anomalies it is necessary to create more posts in the cadre of Electrical Inspectors. This is also required in view of the increase in workload over the years and the addition of new responsibilities. This will also facilitate reorganisation of the Departmental structure in line with similar organisation i.e. differentiate the powers and responsibilities of Electrical Inspectors and Deputy Chief Electrical Inspectors to Government and not directly under the Chief Electrical Inspector to Government. In this way the Administrative burden of the Chief Electrical Inspector to Government will be relieved to some extent since the Deputy Chief Electrical Inspectors to Government will be supervising the functioning of Electrical Inspectors. It will also restore the pyramidal nature of the organisation i.e. Sub-divisions, Divisions and Circles under the Head of the Department.

The workload at the sub-division level is also not uniform due to pockets of growth of Industries in certain areas and no growth or negative growth in certain other areas. Hence it is necessary to reorganise and create new sub-divisions especially in City, Ranga Reddy and Medak districts keeping an average inspection load of 200 to 300 installations per sub-division which shall include both HTs/EHTs and Cinemas. Since anticipated levels of growth of Industries has not materialised in Rayalaseema region and in the districts of Nizamabad, Adilabad and Karimnagar, the reorganisation of sub-divisions in this areas viz. Cuddapah, Kurnool and Tirupathi and Karimnagar and Nizamabad may have to be considered. Taking into consideration the anticipated needs of the organisation in the short term a staff chart is prepared incorporating the additions and alterations of existing posts and creation of new posts as discussed above (Annexure II). As a result of the proposed reorganisation it is also necessary to bifurcate the statutory functions of Deputy Chief Electrical Inspectors to Government and Electrical Inspectors. Proposed revision in the functions of various officers in the revised set up is given in annexure III, while the existing allocation of functions is given in annexure I.

At present the Regional Officers do not have any administrative powers. After the reorganisation they may be delegated with certain Administrative and Accounts functions.

The reorganisation suggested above will be a short term measure and is expected to take care of the organisational needs for the present. In view of the pick up in the Industrial environment there is every possibility that the workload may go up almost throughout the State and the main thrust being around Hyderabad i.e. Districts of Ranga Reddy, Medak, Nalgonda and Mahaboobnagar and in the districts of Vizag and Vizianagaram. To some extent there may be concentrated Development around Kakinada, Vijayawada and Chittoor Districts. In view of this there will be need to further strengthen the organisation by the year 2003. An organisation chart keeping in view the anticipated developments is given in Annexure IV and this improvement/additions should be able to take care of the Departmental needs for some time to come.

Chapter - IX

STATEMENTS AND ANNEXURES

This Chapter contains various Statements and Annexures which are listed out below:

Statements

1. Statistical data of Electrical Inspectorate.
2. Sanctioned staff strength of the organisation
3. No. of Temporary posts in the department
4. No. of Permanent posts in the Department
5. Organisation chart

Annexures:

- I Existing powers and functions of Technical officers.
- II Proposed Technical Staff chart incorporating additions/alterations in the existing staff and new posts with new field offices.
- III Proposed Division of Powers and functions of Technical officers.
- IV Anticipated organisation Chart of Technical Officers.

STATEMENT No.1
STATISTICAL DATA OF ELECTRICAL INSPECTORATE

Year	H.T. Technical Section				Cinemas		Standards Laboratory				Issue/Renewal of Ele.Licences			
	No. of approvals of Drawings and Statutory approvals accorded under I.E. Rule 50-A. IER 63	No. of Inspections of HT Electrical Installations.	No. of Multi-storied Buildings under Rule 50-A.	No. of HT/EHT Installations existing	No. of periodical inspection of cinemas	No. of Cinemas existing	Fresh Cinema Operated for licenses issued and renewed	No. of Accident Investigated	No. of instruments Tested in laboratory	No. of inspection under quality control order	'A' Grade contractor Licenses	B Grade contractor Licenses	Super-visor Permits	Wireman permits
1970-71	339	633	--	--	1765	1175	759	184	--	--	11	15	207	180
1972-73	292	711	--	--	1225	1314	--	208	--	--	79	--	217	712
1973-74	701	1012	--	--	1379	1379	88	211	--	--	--	--	--	--
1975-76	397	1459	--	--	1163	1488	427	246	--	--	--	--	--	--
1976-77	300	1249	--	--	1887	1642	126	201	--	--	--	--	--	--
1977-78	420	1473	--	--	1904	1674	138	137	--	--	--	--	--	--
1978-79	354	1365	--	--	1886	1759	162	69	--	--	--	--	--	--
1979-80	592	1517	--	--	1944	1838	304	35	--	--	--	--	--	--
1980-81	839	1692	--	--	1929	1932	243	126	--	--	--	--	--	--
1981-82	314	1596	--	--	1963	2057	172	28	--	--	--	--	--	--
1982-83	276	1897	--	2012	2077	2133	1043	214	--	--	--	--	--	--
1983-84	507	2055	--	2168	1977	2233	1086	243	--	--	--	--	--	--
1984-85	406	2243	--	2675	711	2368	1374	160	--	--	--	--	--	--

Statements and Annexures

1985-86	433	2380	-	2562	609	2494	1740	276	-	-	-	-	-	-	-	-	-	-	-	
1986-87	245	2530	-	2690	367	2626	1983	361	-	-	-	-	-	-	-	-	-	-	-	-
1987-88	215	2578	-	2786	207	2724	257	350	-	-	68	98	428	1380						
1988-89	163	2729	-	2812	-	2773	659	398	-	-	149	403	649	1669						
1989-90	557	2633	-	2825	430	2889	1187	389	205	215	92	219	342	854						
1990-91	444	2780	-	2912	450	2844	1233	425	215	329	89	264	563	3009						
1991-92	340	2737	-	2958	480	2863	1751	358	329	581	83	213	465	2409						
1992-93	370	2844	-	2997	403	2861	753	320	581	810	113	320	543	2225						
1993-94	483	2806	27	3202	668	2879	751	472	810	1124	166	498	615	2330						
1994-95	506	2714	17	3268	488	2924	676	499	1124	1712	184	453	527	2818						
1995-96	598	3115	55	3420	489	2948	261	299	1712	1712	173	270	369	989						
1996-97	584	2909	76	3412	970	2995	162	539	1638	408	174	305	226	1233						
1997-98	479	2722	76	3520	723	2923	146	536	1434	178	193	230	287	1093						
1998-99	518	2545	122	3327	1152	2888	191	501	1332	220	158	201	315	686						

STATEMENT No.2**SANCTIONED STAFF STRENGTH OF THE ORGANISATION OF
ANDHRA PRADESH ELECTRICAL INSPECTORATE DEPARTMENT**

S.No.	Category of Post	Permanent	Temporary	Total
1.	Chief Electrical Inspector to Govt.	1	-	1
2.	Dy. Chief Electrical Inspector to Govt.	2	1	3
3.	Electrical Inspector	-	2	2
4.	Deputy Electrical Inspector	11	15	26
5.	Assistant Electrical Inspector	30	12	42
6.	Accounts Officer	-	2	2
7.	Assistant Accounts Officer	1	6	7
8.	Superintendent	6	3	9
9.	Special Category Stenographer	1	-	1
10.	Senior Assistant	13	15	28
11.	Junior Assistant	25	9	34
12.	L.D. Steno	2	1	3
13.	Typist	7	6	13
14.	Tester	-	1	1
15.	Electrician	-	1	1
16.	Tracer	1	-	1
17.	Driver	3	2	5
18.	Record Assistant	2	1	3
19.	Attender	42	13	55
20.	Cycle orderly	2	-	2
21.	Watchman	-	17	17
22.	Storekeeper	1	-	1
23.	Chowkidar	1	-	1
24.	Shroff	1	-	1
25.	Farrash	1	-	1
26.	Mali	1	-	1
27.	Sweeper	-	1	1
Total		154	108	262

STATEMENT No.3
NO.OF TEMPORARY POSTS IN THE DEPT. OF ELECTRICAL INSPECTORATE

Sl. No.	Name of the Office	Dy IS	EI	DyEI	AO	AO	AEI	Super-intendent	SA	JA	LD	Ty-pist no	Tester	Electrician	Driver	Record Asst.	Att-ender	Watch man	Swee-per	Total
OFFICE OF THE																				
1.	CEIG/Hyderabad	-	-	3	2	1	3	2	5	2	-	2	1	1	1	1	2	2	1	29
2.	Dy CEIG/Rural/Hyd.	1	-	-	-	1	1	-	2	1	-	1	-	-	-	-	2	-	-	9
3.	Dy CEIG/Hyd.	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2
4.	EI/Vizag	-	1	-	-	1	3	1	3	3	1	2	-	-	1	-	6	1	-	23
5.	Dy CEIG/Kumool	-	-	-	-	1	-	-	2	-	-	1	-	-	-	-	1	1	-	6
6.	EI/Vijayawada	-	1	-	-	1	2	-	2	2	-	-	-	-	-	-	2	-	-	10
7.	Dy EI/Vijayawada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
8.	Dy EI/Guntur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.	Dy EI/EIuru	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	3
10.	Dy EI/Varangal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
11.	Dy EI/Nizamabad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
12.	Dy EI/Hyderabad	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
13.	Dy EI/Ranga Reddy	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
14.	Dy EI/Vizianagaram	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
15.	Dy EI/Kakinada	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
16.	Dy EI/Krishna(East)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
17.	Dy EI/Guntur(West)	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	3

18. Dy EI/Tirupathi	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
19. Dy EI/Cuddapah	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
20. Dy EI/Mahaboobnagar	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
21. Dy EI/RR(East)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
22. Dy EI/Karimnagar	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
23. Dy EI/Nalgonda	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2
TOTAL	1	2	15	2	6	12	3	15	9	1	6	1	1	2	1	13	17	1	1	108

**STATEMENT No.4
ANNEXURE - II**

PERMANENT POSTS CADER STRENGTH OF ELECTRICAL INSPECTORATE DEPARTMENT - OFFICE WISE

Sl. No.	Name of Office	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
1.	CEIG/Hyderabad	1	1	-	1	4	-	1	4	-	-	1	1	5	17	-	3	1	1	10	2	-	-	-	-	-	-	-	53	
2.	Dy. CEIG, Hyd	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	3	
3.	Dy. EI, Hyd	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	5	
4.	Dy. EI, RR	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
5.	Dy EI, RR(E)	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
6.	Dy. CEIG(R)	-	-	-	-	1	-	-	1	-	-	-	-	1	2	1	1	1	1	6	-	-	1	1	1	1	1	-	20	
7.	Dy.EI(Medak)	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
8.	Dy. EI.NZB	-	-	-	-	1	2	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	6	
9.	Dy. EI, KRMR	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
10.	DY EI, WGL	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-	-	6	
11.	Dy. EI, NLG	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
12.	Dy. EI, MBNR	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
13.	DY. CEIG, KNL	-	1	-	-	2	-	-	-	-	-	-	-	1	4	1	1	1	-	5	-	-	-	-	-	-	-	-	16	
14.	Dy. EI, KNL	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-	-	6	
15.	DY EI, CDP	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
16.	DY. EI, NLR	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-	-	6	
17.	DY.EI, TPT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	

STATEMENT No.5
A.P. ELECTRICAL INSPECTORATE DEPARTMENT
ORGANISATION CHART
Chief Electrical Inspector to Government
(Head of the Department - Ex-Officio Chairman A.P. Electrical Licensing Board and
Cinema Operators Examination Committee)

HEAD OFFICE

Deputy Chief Electrical Inspector to Government (Intermediate Officer)

Dy. Electrical Inspector/Technical Section)	Asst. Accounts Officer (Admn.) Section)	Asst. Accounts Officer (Accounts) Section)	Dy. Electrical Inspector/Cinemas Section)	Dy. Electrical Inspector/Licensing Section)	Dy. Electrical Inspector/Standard Laboratory Section)	Accounts Officer Electricity Duty Section)
Dy. EI 1 No.	AAO 1 No.	AAO 1 No.	Dy. EI 1 No.	Dy. EI 1 No.	Dy. EI 1 No.	A/c. Officer 2 Nos.
AEI 1 No.	Supdt. 1 No.	Supdt. 1 No.	AEI 1 No.	AEI 2 Nos.	AEI 2 Nos.	AEI 1 No.
Tracer 1 No.	Sr. Asssts. 2 Nos.	S.A. 3 Nos.	Supdt. 1 No.	Supdt. 1 No.	Tester 1 No.	Supdt. 2 Nos.
Sp/Cat.Steno/ No.	Jr. Asssts. 4 Nos.	JA 5 Nos.	SA 2 Nos.	Electrician 1 No.	Electrician 1 No.	SA 2 Nos.
Drivers 2 Nos.	Typists 5 Nos.	Attenders 2 Nos.	JA 2 Nos.	JA 2 Nos.	JA 2 Nos.	J.A. 2 Nos.
J.As. 2 Nos.	Attender 1 No.	Cycle ordry 1 No.	Attender 1 No.	Attenders 2 Nos.	Attenders 2 Nos.	Attender 2 Nos.
Attender 2 Nos.	Cycle ordry 1 No.	Watchman 2 Nos.	Rec. Asst. 1 No.			Rec. Asst. 1 No.
	Sweeper 1 No.					
<u>10 Nos.</u>	<u>18 Nos.</u>	<u>13 Nos.</u>	<u>8 Nos.</u>	<u>10 Nos.</u>	<u>9 Nos.</u>	<u>12 Nos.</u>

FIELD ORGANISATION (REGIONAL OFFICERS 5 NOS.)

Dy. Chief Electrical Inspector to Govt. HYDERABAD	Dy. Chief Electrical Inspector To Govt.(R) HYDERABAD	Dy. Chief Electrical Inspector to Govt., KURNOOL	Electrical Inspector, VIJAYAWADA	Electrical Inspector, VISAKHAPATNAM
Dy. CEIG Nil	Dy. CEIG 1 No.	Dy. CEIG 1 No.	EI 1 No.	EI 1 No.
AEI 2 Nos.	AEI 2 Nos.	AEI 2 No.	AEI 2 Nos.	AEI 3 Nos.
AAO 1 No.	AAO 1 No.	AAO 1 Nos.	AAO 1 No.	AAO 1 No.
JA 1 No.	Supdt. 1 No.	SA 3 Nos.	Supdt. 1 No.	Supdt. 1 No.
Attender 1 No.	ASA 3 Nos.	JA 4 Nos.	SA 2 No.	SA 3 Nos.
	JA 3 Nos.	LD Steno 1 Nos.	JA 2 No.	JA 3 Nos.
	Storekeeper 1 No.	Typist 2 Nos.	Attender 2 Nos.	LD Steno 1 No.
	Typist 2 Nos.	Driver 1 No.		Typist 2 Nos.
	LD Steno 1 No.	Attenders 6 Nos.		Driver 1 No.
	Driver 1 No.	Watchman 1 No.		Attender 6 Nos.
	RA 1 No.			Watchman 1 No.
	Attender 8 Nos.			
	Chowkidar 1 No.			
	Shroff 1 No.			
	Farrash 1 No.			
	Mali 1 No.			
<u>5 Nos.</u>	<u>29 Nos.</u>	<u>22 Nos.</u>	<u>11 Nos.</u>	<u>23 Nos.</u>

Contd....

Sub-Divisional Offices - 3 Nos. under control of Dy.CEIG HYDERABAD	Sub-Divisional Offices - 6 Nos. under control of Dy. CEIG (RURAL) HYDERABAD	Sub-Divisional Offices - 4 Nos. under control of Dy. CEIG KURNOOL	Sub-Divisional Offices - 5 Nos. under control E.I., VIJAYAWADA	Sub-Divisional Offices - 4 Nos. under control of E.I., VISAKHAPATNAM
(1) Dy. E.I., Hyderabad Dy. E.I. AEI SA Attender <u>6 Nos.</u>	(1) Dy. E.I., Medak Dy. E.I. AEI <u>2 Nos.</u>	(1) Dy. E.I., Kurnool Dy. E.I. AEI SA Attender <u>6 Nos.</u>	(1) Dy. E.I., Vijayawada Dy. E.I. AEI Typist Attender Watchman <u>6 Nos.</u>	(1) Dy. E.I., Visakhapatnam Dy. E.I. AEI SA Typist Attender <u>6 Nos.</u>
(2) Dy. E.I., Ranga Reddy Dy. E.I. AEI <u>2 Nos.</u>	(2) Dy. E.I., Nizamabad Dy. E.I. AEI S.A. Attender Watchman <u>7 Nos.</u>	(2) Dy. E.I., Cuddapah Dy. E.I. AEI Watchman <u>3 Nos.</u>	(2) Dy. E.I., Krishna (East) Dy. E.I. AEI Watchman <u>3 Nos.</u>	(2) Dy. E.I., Vizianagaram Dy. E.I. AEI Watchman <u>3 Nos.</u>
(3) Dy. E.I., R.R. (East) Dy. E.I. AEI Watchman <u>3 Nos.</u>	(3) Dy. E.I., Karimnagar Dy. E.I. AEI Watchman <u>3 Nos.</u>	(3) Dy. E.I., Nellore Dy. E.I. AEI SA Attender <u>6 Nos.</u>	(3) Dy. E.I., Guntur Dy. E.I. AEI SA <u>3 Nos.</u>	(3) Dy. E.I., Rajahmundry Dy. E.I. AEI JA Attender <u>5 Nos.</u>
(4) Dy. E.I., Warangal Dy. E.I. AEI S.A. Attender Watchman <u>7 Nos.</u>	(4) Dy. E.I., Tirupathi Dy. E.I. AEI Watchman <u>3 Nos.</u>	(4) Dy. E.I., Kakinada Dy. E.I. AEI Watchman <u>3 Nos.</u>	(4) Dy. E.I., Kakinada Dy. E.I. AEI Watchman <u>3 Nos.</u>	(4) Dy. E.I., Kakinada Dy. E.I. AEI Watchman <u>3 Nos.</u>

P.T.O

Contd....

	(5)		(5)	
	Dy.E.I., Eluru Dy. E.I. AEI Jr.Asst.		Dy. E.I., Nalgonda Dy. E.I., AEI Watchman	1 No. 1 No. 1 No. <u>3 Nos.</u>
	1 No. 2 Nos. 1 No. <u>4 Nos.</u>		(6)	
			Dy. E.I., Mahaboobnagar Dy. E.I., AEI Watchman	1 No. 1 No. 1 No. <u>3 Nos.</u>

ANNEXURE - I
Existing Powers and Functions of Technical Officers and under

Sl.No.	Designation	(a) I.E. Act and the Rules made the reunder	(b) A.P. Electrical Licensing Rules	(c) A.P. Cinematograph Act & Rules	(d) A.P. Electricity Duty Act	(e) House Hold Electrical Appliances (Quality Control) Orders.
1.	Chief Electrical Inspector to Government	Approval of all new Electrical Installations having installed Aggregate transformers Rating of 1000KVA and Above receiving Supply at HV & EHV Including additions And alterations therein.	Ex-officio Chairman Andhra Pradesh Electrical Licensing Board, Presides over all Board meetings	Ex-Officio Chairman, Cinema Operators Examination Committee Presides over all committee meetings, grants permits and Licenses to the operators.	Competent authority for Collection of Electricity Duty	Competent Authority for implementation of Quality Control orders
2.	Dy. Chief Electrical Inspectors to Government	<ol style="list-style-type: none"> Approval of Electrical installations having installed Aggregate transformer Capacity of upto 1000KVA receiving, supply at HV, including additions & alterations thereon in their respective jurisdiction Approval of all Electrical Installations Covered under the Provisions of Section 30 of I.E. Act. 1910 and having a connected load of 75HP and above. 	Dy. CEIG/Hyd also acts as Ex-Officio Secretary, APELB, Discharges all the functions of Secretary ELB	Dy. CEIG, Hyderabad also acts as Ex-Officio Secretary, COE Committee, conducts Cinema Operators Exams and processes all papers for grant of Cinema Operator Licenses. Other Dy. CEIG has no role in this work.	Inspecting Officer under the Act.	Inspecting officer and Supervise the implementation by the Deputy Electrical Inspectors.

<p>3. Electrical Inspectors</p>	<p>3. Approval of all installations in multistoried buildings of more than 5 meters in height under rule 50-A</p>	<p>Same powers as Dy. CEIG in their respective jurisdiction</p>	<p>Same powers as Dy. CEIG in their respective jurisdiction</p>	<p>Same power as Dy. CEIG in their respective jurisdiction</p>
<p>4. Dy. Electrical Inspectors</p>	<p>1. Conducts inspections of all HV & EHV (Installations and Rule 50-A (Multistoried buildings) under Rule 46 of Indian Electricity Rules 1956.</p> <p>2. Conduct inspection and accord approval to all installations covered under section 30 of I.E. Act, 1910 and having connected load below 75 H.P.</p>	<p>Same powers as Dy. CEIG in their respective jurisdiction</p>	<p>1. Inspects and grants Electrical and fire certificates for all new cinemas and videos in their jurisdiction and renews the same.</p> <p>2. Conducts periodical inspection of all cinemas once in two years</p> <p>3. Renews Cinemas operator licenses</p> <p>4. Investigates all Electrical accidents</p>	<p>Inspecting officers under the quality control rules</p>
<p>5. Assistant Electrical Inspector</p>	<p>Assists the Senior officers and Deputy Electrical Inspector in inspection and office works</p>	<p>Same powers as Dy. CEIG in their respective jurisdiction</p>	<p>Same powers as Dy. CEIG in their respective jurisdiction</p>	<p>Same power as Dy. CEIG in their respective jurisdiction</p>

PROPOSED STAFF CHART INCORPORATING ADDITION ALTERATIONS IN THE EXISTING TECHNICAL STAFF AND CREATION OF NEW POSTS WITH FIELD OFFICES

ANNEXURE - II

CHIEF ELECTRICAL INSEPTOR TO GOVERNMENT

(Head of the Department)

Ex-Officio Chairman Andhra Pradesh Electrical Licensing Board and Cinema Operators Examination Committee

Dy. C.E.I.G., Hyderabad ↓	Dy. C.E.I.G., Vijayawada ↓	E.I. Technical ■	A.A.O	(ACCTS) AAO (Admn.)
E.I. Hyderabad ■	E.I. Warangal ■	Dy.EI. Licen- ing Cinema	Dy.EI. Q.C., and Accidents	AOI & AO.II E.Duty (Electrical Duty)

Field Organisation

NEW CREATION : ■
SHIFTING/UPGRADE/DOWN GRADE ■

1. Electrical Inspector, Hyderabad, Electrical Inspector, Hyderabad (Rural) and electrical Inspector, Warangal — All the three Electrical Inspector posts are proposed to be newly created.
2. Deputy Chief Electrical Inspector to Government Vijayawada - Shifting from Hyderabad that is Deputy Chief Electrical Inspector to Government, Hyderabad (Rural) proposed to be shifted to Vijayawada.
3. Electrical Inspector / Technical — Deputy Electrical Inspector / Technical proposed to be upgraded as electrical Inspector/Technical.
4. Electrical Inspector, Kurnool — Deputy Chief Electrical Inspector to Government. Kurnool gets down graded as Electrical Inspector for Kurnool.
There will be one post of Deputy Chief Electrical Inspector to Government for Telangana area and
One post of Deputy Chief Electrical Inspector to Government for Andhra Area. (Including Rayalseema)

ELECTRICAL INSPECTOR, HYDERABAD ■		ELECTRICAL INSPECTOR, HYDERABAD (RURAL) ■	
Dy. E.I. Hyderabad	Ey. E.I. Secunderabad	Dy.E.I. R.R.-1	Dy.E.I. R.R.II
→			
Dy. E.I. R.R.-III	Ey. E.I. Medak-I	Dy.E.I. Medak-II	Dy.E.I. Mahaboobnagar
ELECTRICAL INSPECTOR, WARANGAL ■		ELECTRICAL INSPECTOR, VIZAG	
Dy. E.I. Warangal	Ey. E.I. Nalgonda	Dy. E.I. Vizianagaram	Ey. E.I. Vizag
		Dy. E.I. Rajahmundry	Dy.E.I. Kakinada
ELECTRICAL INSPECTOR, VIJAYAWADA			
Dy. E.I. Eluru	Ey. E.I. Krishna-I	Dy.E.I. Krishna-II	Dy. E.I. Guntur-I
New Creations ■		Dy. E.I. Guntur-II	
Down grading/reorganisation ■		Dy. E.I. Kurnool	
→			
		Dy. E.I. Nellore	
		Dy.E.I. Tirupathi	
<p>Note: The existing three sub-divisions at Tirupathi, Cuddapah and Kurnool comprising the districts of Chittoor, Cuddapah, Kurnool and Anantapur are to be reorganised into two sub-divisions with headquarters Tirupathi (for Chittoor and Cuddapah Districts) and Kurnool (for Kurnool and Anantapur Districts)</p>			

**PROPOSED DIVISION OF POWERS & FUNCTIONS OF TECHNICAL OFFICERS
ANNEXURE - III**

POWERS AND FUNCTIONS UNDER						
Sl.No.	Designation	I.E. Act 1910 & Rules made there under	A.P. Electrical Licensing Rules	A.P. Cinematograph Act & Rules	A.P. Electricity Duty Act & Rules	House Hold Electrical appliances (Quality Control) order
1.	Chief Electrical Inspector to Government	<p>a. Inspection and approval under Rule 63 of I.E. Rules, 1956 of new Electrical Installations receiving supply at HV & EHV and having an aggregate installed Transformers capacity of 1000KVA and above in the entire state of A.P.</p> <p>b. Inspection and approval under Rule 63 of I.E. Rules, 1956 of Additions & alterations in all existing Electrical installations of the above capacities.</p> <p>c. Arbitration Authority in cases of disputes between the supplier & consumer including metering disputes</p>	<p>Ex-officio Chairman of C.O.E. Committee grants fresh permits and Licenses to the successful candidates in C.O.E.</p>	<p>Implementing Authority to raised debits of Electricity Duty against all Licenses & Sanction holders including A.P. Transco</p>	Competent Authority under the Act.	
2.	Deputy Chief Electrical Inspector to Govt.	<p>a. Inspection and approval under Rule 63 of I.E. Rules 1956 of New Electrical Installations receiving supply at HV and having an aggregate installed Transformers capacity of 300KVA</p>	<p>The DY.CEIG Hyderabad is the Ex-officio Secretary of A.P., Electrical Licensing Board and discharges all the functions of</p>	<p>The Dy. CEIG Hyderabad is the Ex-officio Secretary of COE committee Discharges the functions of</p>	<p>Inspecting Officer under the Quality Control orders Supervise the work of E.Is and Dy. E.I.</p>	

	<p>and above in their respective jurisdictions.</p> <p>b. Inspection and approval under Rule 63 of I.E. Rules 1956 of additions and alterations in all existing Electrical Installations of the above capacities.</p> <p>c. Periodical Inspection of all EHV installaions under Rule 46 of I.E. Rules, 1956 in their respective jurisdictions</p>	<p>Secretary COE Committee in addition to his duties as Dy. CEIG.</p>
	<p>a. Inspection and approval under Rule 63 of I.E. Rules 1956 of all Electrical Installations receiving supply at HV and having aggregate installed Transformers capacity of upto 300KVA in their respective jurisdiction</p> <p>b. Inspection and approval of all electrical installations covered under the provisions of sec.30 of I.E. Act, 1910 and having a connected load of 75HP and above and receiving supply at medium voltage.</p> <p>c. Approval of all X-Ray and Neonsign installations under Rule 73 & Rule 71 of I.E. Rules, 1956.</p> <p>d. Inspection and approval of all Multistoreyed buildings of more than 15 metres in height under Rule 50A of I.E. Rules, 1956.</p>	<p>the Secretary in additions to his duties as Dy. CEIG.</p>
<p>3. Electrical Inspectors</p>	<p>a. Renewes all contractors Licenses and permits of Supervisors and Wireman in their jurisdiction</p>	<p>Inspecting Officer under Quality Control orders Supervises the Work of Dy. E. Is.</p>
	<p>b. Inspects the Electricity Duty Accounts of Electricity Circle offices of A.P. Transco and Submits reports to CEIG.</p>	<p>Inspecting Officer under the Act, inspects the Electricity Duty Accounts of Electricity Circle offices of A.P. Transco and Submits reports to CEIG.</p>

- e. Inspection and approval of additions and alterations as per Rule 50A of I.E. Rules, 1956.
- f. Inspection approval of additions and alterations in all the above categories of installations.
- g. Periodical inspection under Rule 46 of I.E. Rules 1956 of all 33 KV installations in their respective jurisdictions.

4. Dy. Electrical Inspectors.

- a. Inspection and approval under section 30 of I.E. Act. 1910 of all Electrical Installations covered under the factories Act having aggregate connected load of upto 75HP and receiving supply at medium voltage and any additions and alterations therein.
- b. Inspection of all Neon sign and X-Ray Installations under Rules 71, 73 of IE Rules 1956 and Submits I.Rs. to E.I. for approval.
- c. Periodical insepction under Rule 46 of all 11 KV installation and M.V. installations (Approved by E.Is) under Section 30 of I.E. Act & Rule 50A of I.E. Rules as per their periodicity.

- a. Inspection and grant of electrical & Fire Certificates in Form 'D' for all Cinemas & Videos in their jurisdiction.
- b. Conduct periodical inspection of all Cinemas once in two years.
- c. Grants/renewal of 'D' certificates for all Cinemas & Videos.

- d. Renewal of Cinema Operators Licenses in their jurisdictions.

Inspecting Officer under the orders.

<p>d. Investigation of all Electrical accidents in their respective jurisdictions.</p>	<p>Function as assistants to all the senior officers in Head Office, Division offices and sub-divisions both in office work and fieldwork.</p>	<p>Assists the Dy. E.I. in inspection and office work.</p>
<p>5. Assistant Electrical Inspectors</p>	<p>Assists the D.E.I. in Inspection & Office work</p>	<p>Assists the Dy. E.I. in inspection and office work.</p>

**ANTICIPATED ORGANISATION CHART OF TECHNICAL OFFICERS
ANNEXURE – IV**

**CHIEF ELECTRICAL INSPECTOR TO GOVERNMENT
(HEAD OF THE DEPARTMENT,
AND EX-OFFICIO CHAIRMAN OF
A.P. ELECTRICAL LICENSING BOARD,
& CINEMA OPERATORS EXAMINATION COMMITTEE)**



Dy. C.E.I.G. Vijayawada	Dy.C.E.I.G. Kumool	Dy.C.E.I.G. Hyderabad(Rural)	Dy.C.E.I.G. Hyderabad	EI/Tech	'AAO' (Accts.)	AAO (Admn.)
EI EI EI Vizag RYJ VJ	EI EI NLR KNL	EI EI EI WGL NLG Hyd (Rural)	EI EI R.R. Hyd.			

- CEIG = Chief Electrical Inspector to Government
- Dy. CEIG = Deputy Chief Electrical Inspector to Government
- EI = Electrical Inspector
- Dy. EI = Deputy Electrical Inspector
- AEI = Assistant Electrical Inspector
- AAO = Assistant Accounts Officer
- AO = Accounts Officer

EI/Vizag

EI/Rajahmundry

Dy. EI	Ey.EI	Dy.EI	Dy.EI	Dy.EI	Dy.EI	Dy.EI	Dy.EI
SKLM	VZNM	VSP-1	VSP-II	RJY	KKD	ELR-I	ELR-II

EI/VIJAYAWADA

EI/NELLORE

Dy.EI	Dy.EI	Dy.EI	Dy.EI	Dy.EI	Dy.EI	Dy.EI
VIJA-1	VJ-II	GNTR-I	GNTR-II	ONGOLE	NLR	TPT

EI/KURNOOL			EI/WARANGAL			
Dy. EI KNL	Dy. EI CDP	Dy. EI ATP	Dy. EI WGL	Dy. EI KNGR	Dy. EI ADL	Dy. EI NZB
EI/NALGONDA			EI/HYDERABAD(RURAL)			
Dy. EI NLG-I	Ey. EI NLG-II	Dy. EI KHM	Dy. EI MDK-I	Dy. EI MDK-II	Dy. EI MDK-III	Dy. EI MBNR
EI/RANGA REDDY			EI/HYDERABAD			
Dy. EI RR-I	Dy. EI RR-II	Dy. EI RR-III	Dy. EI RR-IV	Dy. EI HYD-I	Dy. EI HYD-II	Dy. EI HYD-III

EI/TECHNICAL

DY. EI/Lab	Dy. EI/ Quality Control	DY. EI/ Licensing	AO-I Duty Act	AO-II Duty Act
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यदैव विद्यया करोति श्रद्धयोपनिषदा
तदैव वीर्यवत्तरं भवति

**Duty performed
with Knowledge, Faith and Devotion,
becomes really effective**

Dr. MCR Human Resource Development Institute of Andhra Pradesh

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