

Government of India
Ministry of Communications and Information Technology
Department of Telecommunications
1116, Sanchar Bhawan, Ashoka Road, New Delhi – 110 001
(A&E Section)

No. 32-1/2001-EW

Dated: 29.05.2015

The CMD
BSNL/MTNL, New Delhi


Subject: Electrical Inspections conducted by DoT officers - Regarding.

As per Indian Electricity Act 2003 under Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations 2010, periodical inspection & testing of electrical installations are required at intervals not exceeding five years. These inspections enhance reliability and operational safety of the electrical installations.

2.0 The DoT had appointed Electrical Inspectors for inspection of Electrical installations of BSNL/MTNL/C-DoT/DOP/DOT under the Ministry of Communications & Information Technology vide OM even no. dated 31st May 2013. These Electrical Inspectors are working under the jurisdiction of various TERM units. These Electrical Inspectors have inspected 153 nos. of telecom installations belonging to BSNL/MTNL during 2014-15. The Inspection reports were submitted to the local BSNL/MTNL authorities for compliance of observations/ defects. Such compliance of Electrical Inspections is statutory as per Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations 2010.

3.0 Based on the outcome of the Electrical inspections of BSNL/MTNL buildings during 2014-15, general observations and precautionary suggestions have been compiled and enclosed for implementation throughout the organization for improving electrical safety of the telecom installations.

Encl: As above


(V. R. Hirna)
Chief Electrical Inspector &
DDG (EW)
DOT, New Delhi



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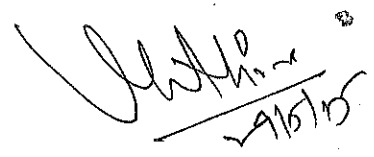
1. Director, Ministry of Power, New Delhi
2. Chief Engineer (EI), CEA, Sewa Bhawan R K Puram, New Delhi.

A. Total number of Electrical Inspections done in 2014-15 - 153 Nos.

Under DoT, TERM units (Himachal Pradesh, Rajasthan, Madhya Pradesh, Chhattisgarh, Mumbai (MTNL), Maharashtra, Pune, Bihar, Delhi, Jharkhand and Haryana)

B. General Observations & Precautionary suggestions for safety of Electrical installations

- 1) The upkeep and maintenance of the Substation and Electrical installations requires improvement. Preventive maintenance and test records are to be maintained.
- 2) Generally, the Electrical Inspections have not been carried out in the past five years (required as per I E Rules), except at the time initial charging of the substations.
- 3) In several places, Earth pits or earth strips are not traceable. The earth resistance is also neither measured nor recorded regularly.
- 4) First aid box and requisite number of fire extinguishers should be provided.
- 5) Unwanted material is stored in the substation/ Engine room area causing hindrance in operation & maintenance. This should be avoided to minimize fire risk.
- 6) The Danger notices in Hindi and local languages should be provided, wherever not available.
- 7) Instruction/ charts for artificial resuscitations should be provided and operating staff be trained in handling emergencies during electrical shock accidents.
- 8) The emphasis should be given for maintain the fire detection and fire alarm system in healthy and working condition. The fire drills should be conducted regularly.
- 9) Fire officer or fire floor warden may be nominated, wherever not done.
- 10) The relays and the protection system should be maintained properly and tested regularly.
- 11) Damaged /broken lightening arrestors should be replaced.
- 12) Life expired equipments may be considered for scrapping and replacement.


29/10/15