



भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
केंद्रीय विद्युत प्राधिकरण Central Electricity Authority
क्षेत्रीय निरीक्षण संगठन (उत्तर) Regional Inspectorial Organization(North)
कमरा सं 328 उ०क्षे०वि०स० भवन Room No.328, NRPC Building,
18-ए शहीद जीत सिंह मार्ग 18-A Saheed Jeet Singh Marg
कटवारिया सराय ,नई दिल्ली -110016 Katwaria Sarai New Delhi – 110016
website:www.cea.nic.in, टेली फैक्स: 011- 26510249

संख्या : NRIO/Misc-43/Accidents/2016/ 378

Dated: 18-12-2017

To,

Sub-Inspector Shri Pritam Singh,
Police Station – Tughlak Road,
New Delhi.

Subject: - Inspection report of electrical accident happened on 23.07.2017 at CPWD Office, M.P. flats, Meena Bagh, New Delhi .

This has reference to your letter dated 04.10.2017 to conduct site inspection of electrical accident happened on 23.07.2017 at CPWD Office, M.P. flats, Meena Bagh, New Delhi. In this regard the undersigned alongwith you inspected the site of electrical accident on 16.10.2017. At the time of visit no Window AC unit was found installed and the window of office of JE(C) was found closed by the plywood. However, it is to mention that S.E. (Ele.), CPWD vide his letter No. 23(PWED-2)/CE(NDz-5)2017/3711 dated 01.09.2017 has submitted a inspection report of the electrical accident to Chief Engineer, CPWD, Zone -05, New Delhi alongwith other inspection reports submitted by Wireman, JE(E), AE(E) of CPWD.

In the report submitted by wireman it is mentioned that after receiving the electrical accident information from JE(E) he reached the accident site on 23.07.17 and found that the Window AC unit was kept on the iron frame base and due to rain the floor was wet. He noticed current in the body of Window AC unit and the iron frame. It is mentioned in the report that the window AC unit had been switched off with the help of remote but the power switch was in 'ON' position and on switching the power switch in 'OFF' position no current in the body of the WTAC unit was noticed by the wireman. He checked the earthing of the power point and found it to be proper. Further AE(E), CPWD has mentioned in his report that the control wiring inside of WTAC was damaged by the rodent and due to which the metal body of WTAC would have been in contact with the live wire.

However, it is to mention that during inspection of distribution board at CPWD office, Meena Bagh, on 16.10.17 it was noticed that no Earth leakage protective device i.e. ELCB / RCCB has been used by CPWD for protection against earth leakage current. As per regulation 42 of the CEA (Measures relating to Safety & electric Supply), Regulation,2010(as amended) the following provision is mentioned:

“42. Earth leakage protective device - The supply of electricity to every electrical installation other than voltage not exceeding 250 V below 2 kW and those installations of

voltage not exceeding 250 V, which do not attract provisions of section 54 of the Act, shall be controlled by an earth leakage protective device whose maximum earth leakage threshold for tripping should not exceed 30 milliamps for domestic connections and 100 milliamps for all other installations, so as to disconnect the supply instantly on the occurrence of earth fault or leakage of current. ”

As mentioned above, the regulation 42 of the CEA (Measures relating to Safety & electric Supply), Regulation,2010(as amended) has not been followed by CPWD for the protection against earth leakage current which could have prevented the electrical accident in case of earth fault or leakage of current as happened in the present case.

P. Khichi
18/12/17

(Prakash Khichi)
Superintending Engineer
& Electrical Inspector
to the Govt. of India

Copy to: Chief Engineer, Chief Electrical Inspectorate Division, CEA