VIDYUT SURAKSHIT BHARAT ABHIYAN

Electrical safety in Residential, Industrial, Commercial facilities

Report of completed program

Campaign No: No:2 - Day 2 (Series 1)

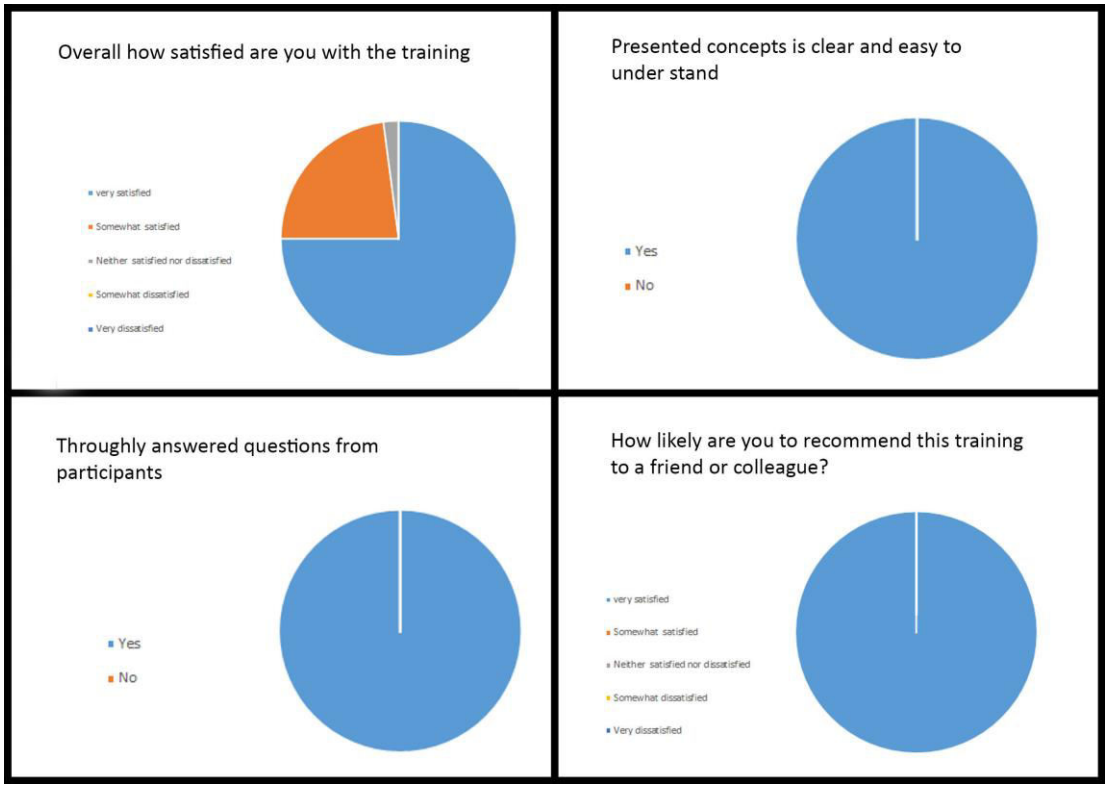
Subject: System earthing & equipment earthing, myths and facts, methods to design a good earthing system (IS 732 & IS 3043).

Date & Time: 10 July 2021: 3.00 PM to 5.00PM

Subjects of training: Basic Electrical networks (TN/TT/IT) and safety in each network, System earthing, Equipment earthing, Protective equipotential bonding, Sizing of conductors for earthing

Participation Details: No of participants - 78

Feedback



Technical Questions & Comments

1. Sir how to ensure Zs source loop impendence remains within specs?
2. if we have two earth electrodes then the earth resistance combinedly below 1666 ohm... is it right?
3. Has RCD been made mandatory as per latest version of IS 3043?
4. In PME the neutral is earthed multiple times, will it affect the neutral current?
5. Sir it is very difficult to convince CEA inspectors as they require earth pit resistance values less than 5 ohm how to handle such condition. Also, the earlier IS 3043 was asking the resultant ohmic value of resistance as 1 ohm in equipotential bonded condition why was this removed in the new standard. Also, for domestic house earthing network it's still is I think TT, is this allowed

since you told now it is required as TNCS.

6. why two names are given i.e., protective earthing and bonding? whereas conductor connecting it is same?
7. Are we permitted to use separate earth pits for EMI reasons?

General Comments about the subject and content of the training

1. Please increase time of session
2. It's very interesting and subject very precise to points.
3. Very useful content. learnt a lot. Thanks to the team.
4. Training is good. Initially if the basic definitions of the types of system and fundamentals are cleared in a specific class it will be more comprehensible.

Speaker

S Gopa kumar, Program & Technical Coordinator, Vidyut Surakshit Bharat Abhiyan

Note: Video recording will be provided upon request

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