



Creating Safety Zone



Learning Objective

By the end of this session, you will be able to:

- Explain the different types of signage, warnings, danger boards and symbols used in electrical installations



Introduction



● High Voltage



● Flashover



● Fire

What Do You Infer from These Pictures?



Open House Discussion


- Suppose you see some exposed live electric wires somewhere. What would you do?
- However, is it possible to do these things every time?
- What can be done in such cases?



Warning Signs

Creating of Safety Zone

Here are the various warning signs:



Danger of falling from height

Assembly area



Danger of Falling from Height



Assembly Area

Warning Signs



Escalator



Emergency Exit

Warning Signs



Danger – High Voltage Electricity



Danger – Fatal

Warning Signs



Caution



Fire Extinguisher

Warning Signs



Avoid unauthorised entry into work area



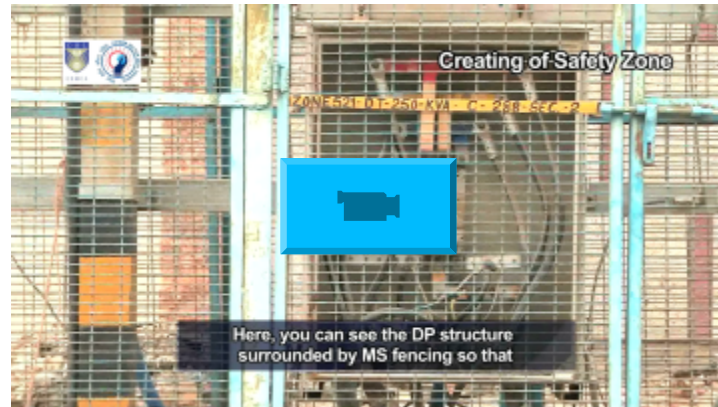
Make the public aware that men are at work on live lines



Ensure the smooth completion of job with safety



Warning Signs

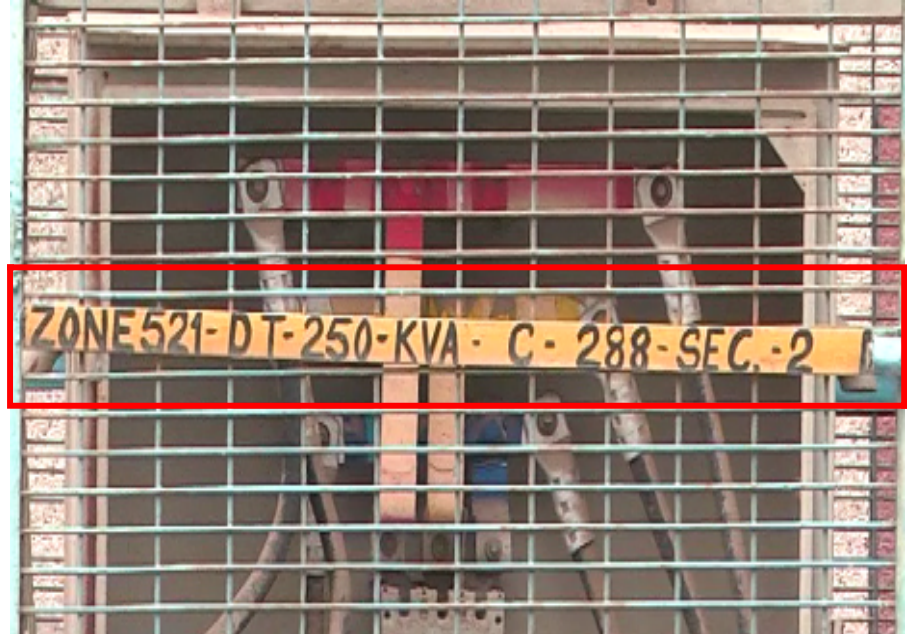


DP structure surrounded by MS fencing

Warning Signs



Duly locked



Details of the zone and area

Warning Signs



Danger Sign



Placed at height
of 3 metres

Warning Signs

Overhead line and service line erected **across** a street should be:

- At a height of not less than 5.8 metres for LT
- At a height of not less than 6.1 metres for HT

Overhead line and service line erected **along** a street should be:

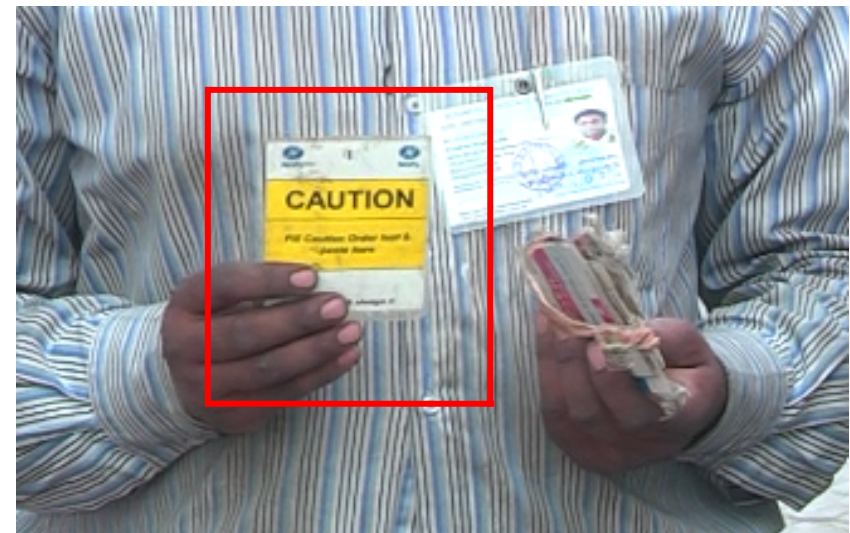
- At a height of not less than 5.5 metres for LT
- At a height of not less than 5.8 metres for HT



Warning Signs

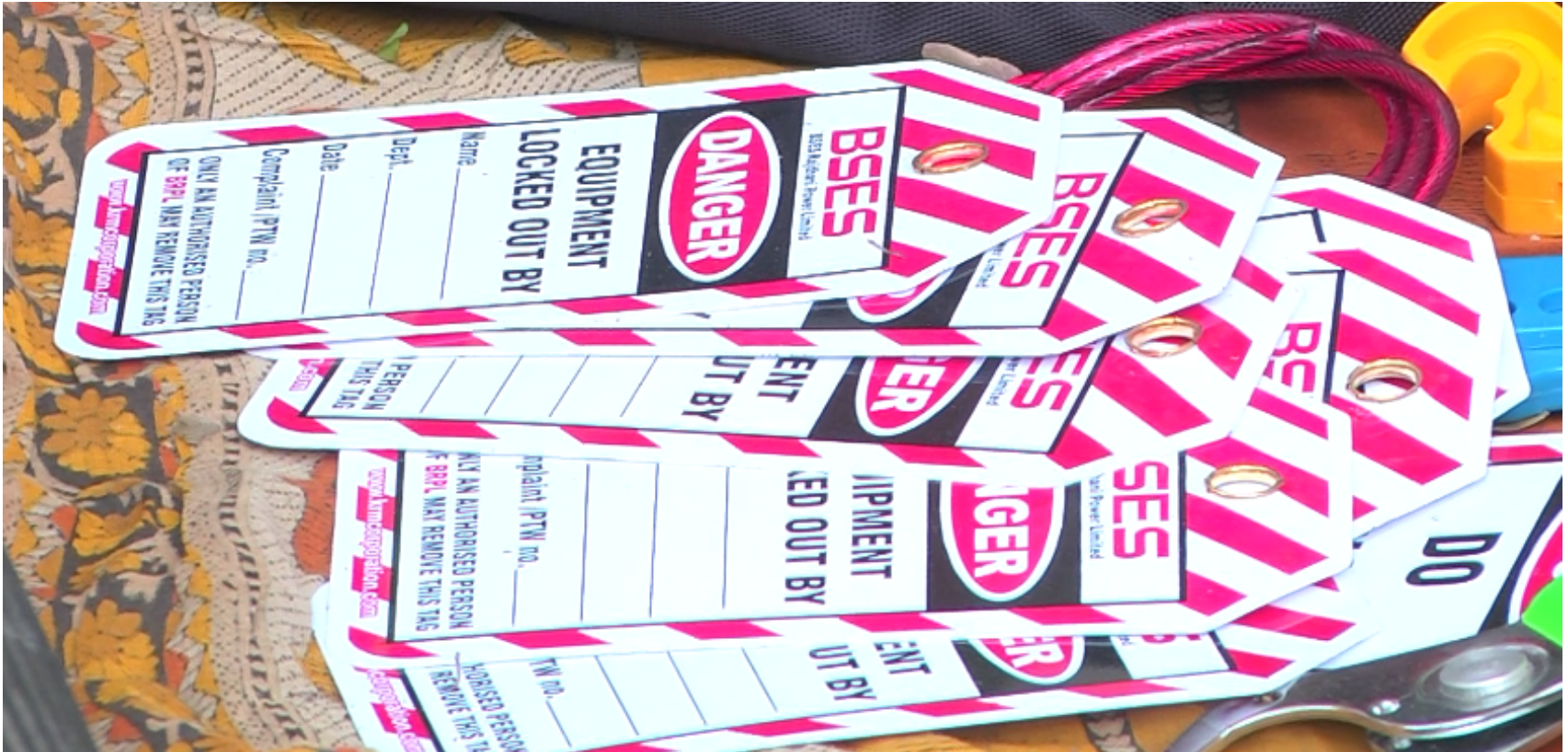


‘Do Not Operate Tag’ – Tag to be used when electricity is shut down



‘Caution’ – Tag to be used when circuit breaker is closed

Warning Signs



Lock-Out and Tag Out tags

Warning Signs

Name of the
lineman

Date of work



Safety Zone Preparation



The area around the workplace has been cordoned off for safety

Safety Zone Preparation



Use caution tape and cones to prepare safety zone

Safety Zone Preparation



Traffic is diverted using barricades

Barricade with caution tape



Safety Zone Preparation



Key Learning Outcomes

- Caution tape is used to cordon off the area
- Caution tape should be of good quality
- 'Caution' or 'Danger' plates must be written in bright red colour in English and regional language
- Proper and adequate number of cones, pegs or poles must be used to cordon off the area
- Different types of signs and symbols are used to indicate danger and caution in the electrical system

