



# 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**



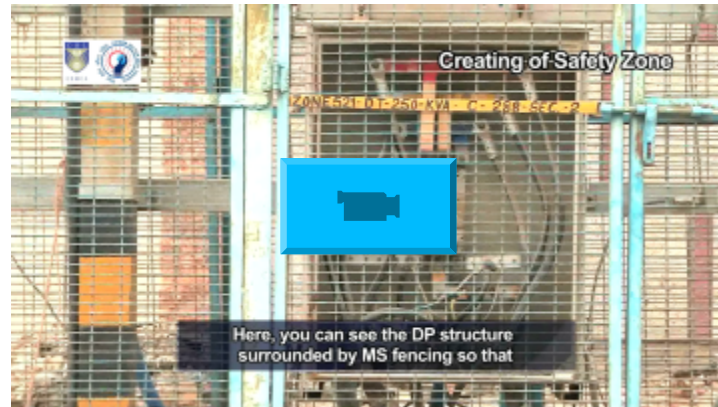
**Make the public aware that men are at work on live lines**



**Ensure the smooth completion of job with safety**



## Warning Signs

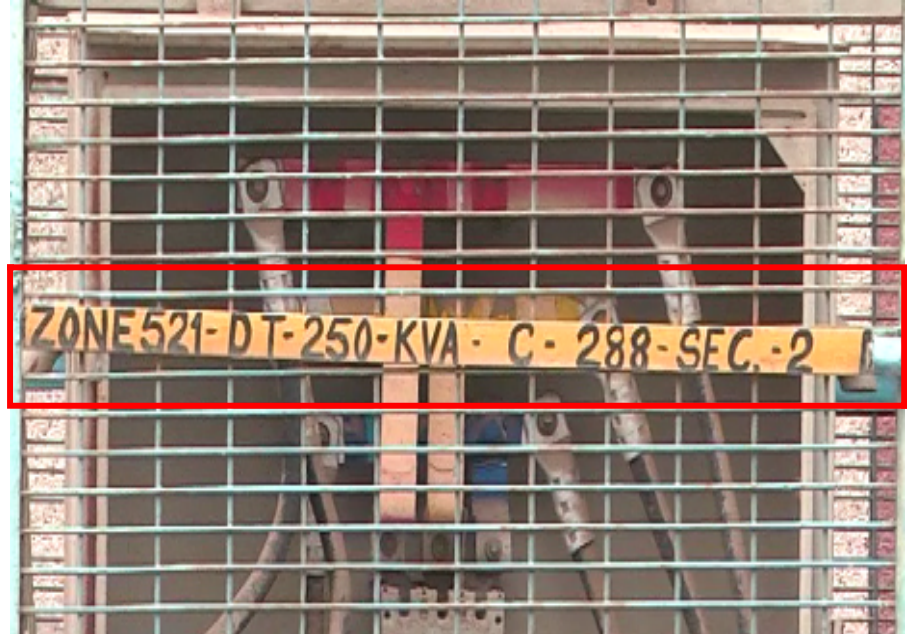


DP structure surrounded by MS fencing

# 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

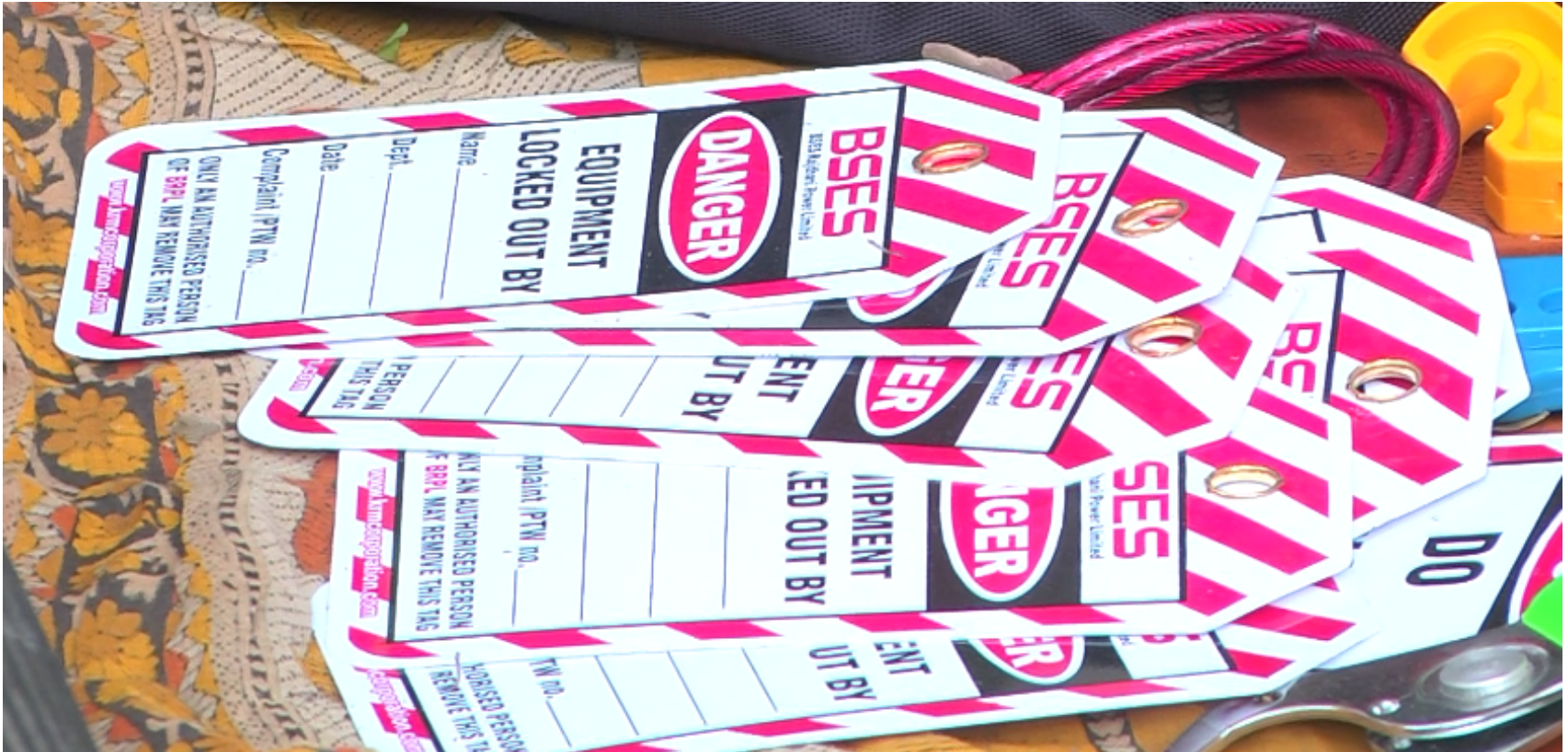


**‘Do Not Operate Tag’ – Tag to be used when electricity is shut down**



**‘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

