









Learning Objectives

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

- Explain how the PCC pole is erected in the pole pit
- Explain the usage and purpose of stay wire and strut poles in overhead system
- Explain how lineman climbs on the erected PCC pole using a ladder and
- Explain how he fixes the accessories on the pole and lays the AB cable in the process of AB cable erection











Pit where the pole has to be erected



Hook of the crane



Crane to lift the pole



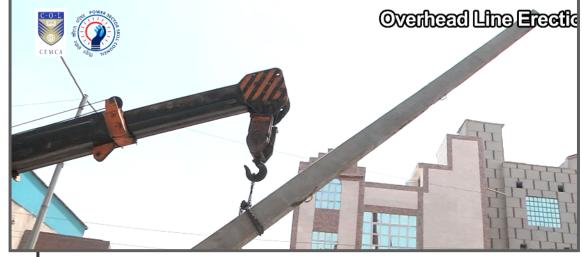
Pole tied with chain







Hook linked to the chain



Pole being lifted using cantilever system







Lineman
anchoring
the base of
the pole



Aligning the pole on both the sides



Pole is hooked straight and placed vertically







Crane moves slowly holding the pole



Pole is placed inside the pit carefully



Pole is first placed on the cemented base plate







Pit being refilled with soil



Fill the pit with soft and hard soil



Pole is firmly embedded in the ground









Stay wires fitted at both ends of the pole



Lineman climbing the pole



Ladder tied from the upper end







Handing over the tools



Tightening the cross arm



Opening the safety rope to go upward







Climbing on the cross arm



Fixing Zola on the cross arm



Sending tools through the rope







Eye hook



Placing pulley on eye hook



Inserting rope in the pulley







Inserting cable into the pulley



Ground crew pulling cable with rope



Cable is pulled over the branches through pulley









Stay wire fitted at the end of the pole



─ End clamp

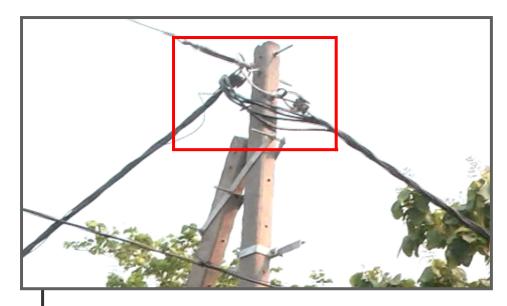


Cross arm fixed on the pole





Strut Pole



Cable is turned after the third pole

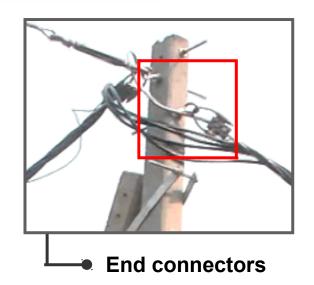


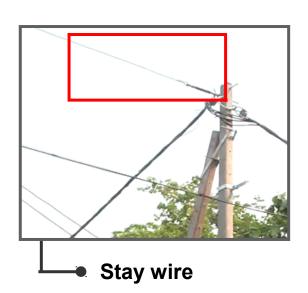
Strut pole giving vertical and horizontal support

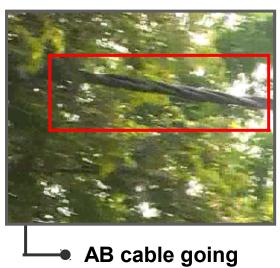




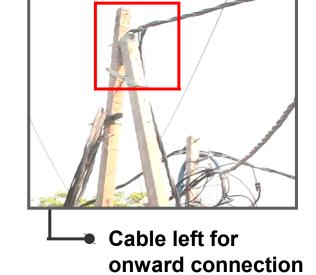
Strut Pole







through the trees

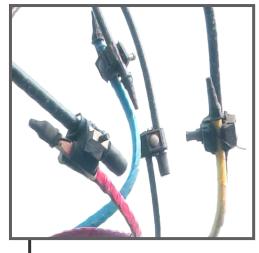




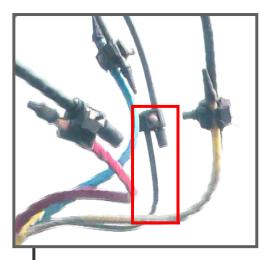


LT ABC Overhead System

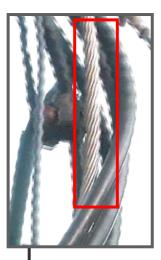




Three cables red, yellow and blue



Neutral cable



Messenger cable, the bare one





Key Learning Outcomes

- It is very important to balance the pole before erecting it to avoid damage
- The stay wires are fitted at both ends
- The lineman climbs on the erected pole using a ladder if he has to work on the pole
- Cross arms are fixed on each pole so that lineman can stand on it while working
- A strut pole is added to give vertical and horizontal support to the turned cable
- ABC, which stands for Aerial Bunch Cable, has a bunch of six cables

