

## EAST COAST RAILWAY

Office of the  
Sr. Divisional Safety Officer  
Sambalpur  
Date: 30.1.2024

No. SFY/SBP/Divnl.Sfy Circular/ 2023-24/148

### Divisional Safety Circular No – 6

#### **Sub: - Safety Precautions in electrified section.**

Recently incidents of electrocution took place in the division resulting in loss of life/injury. To sensitize field staff, Following are the essential safety precautions to be observed in electrified section.

1. No work shall be done within a distance of 2m from the live OHE without 'permit to work'. Also, no tool or any part of the body of the worker comes within the danger zone.
2. The return current in the rails may cause a potential difference between two ends of a fractured rail and at an insulated joint, etc., provide temporary electrical connection invariably.
3. When unloading the rails along side of the track, do ensure that rails do not touch each other to form a continuous metallic mass of length greater than 300m.
4. During maintenance / renewal of track, continuity of rails shall invariably be maintained. For bridging gaps which may be due to removal of fishplates, breakage of rail etc., jumpers to be provided. The two ends of fractured rail should be temporarily connected by metallic jumpers of approved design taking necessary precautions.
5. Maintain implantation as per SOD in consultation with TRD.
6. In track circuited area, do not bridge insulated jointed rails with bare hands or with any metallic article. Also, do not have simultaneous contact with an insulated section of rail and non-insulated section of rails. Ensure availability of TRD, S&T staff at site for removing and replacing the traction bonds and jumper / bonding connections wherever required. Cancel the block to resume the normal traffic only after ensuring that traction bonds / cable jumpers have been reconnected by TRD, S&T staff.
7. Do not carry long pipes, poles, ladders and tools vertically which may come within the danger zone of 2m of live overhead traction equipment.
8. At LC Gate, do maintain approaching road levels such that the clearance between the top member of the LC height gauge and the road level shall not exceed 4.78m

9. Provide continuous protective screens / parapet walls on all FOBs / ROBs and also ensure commissioning of FOBs only after completion of the work with all statutory provisions like screening, electrical earthing of FOBs steel work etc., until then, the entry for FOB under construction shall be physically blocked for the use of public.
10. In case of wire snaps at level crossing, the Gate Keeper shall immediately make arrangements to stop all road traffic and inform the nearest SM/ TPC / OHE section in-charge.
- 11 No part of a tree shall be nearer than 4m from the nearest live conductor. Any tree or branches likely to fall on live conductor should be cut or trimmed periodically to maintain this clearance.
12. Ensure fixing of protective screen in those signal post where height reaches beyond safety range of 2m.

  
30.01.24  
Sr.DSO/SBP

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1. CSO/BBS for kind information.
2. PS to DRM for kind information of DRM & ADRM
3. Sr. DEN (Co), Sr.DOM, Sr.DME, Sr.DSTE, Sr.DEE/TRD, Sr.DEE/OP, Sr.DEE/G for information and necessary action please
4. CHC/SBP, Engg. Control, C&W control, Test room, CDPC, CTLC, CLI/HQ, CDTI/Safety & All Safety Counselors for information and necessary action.