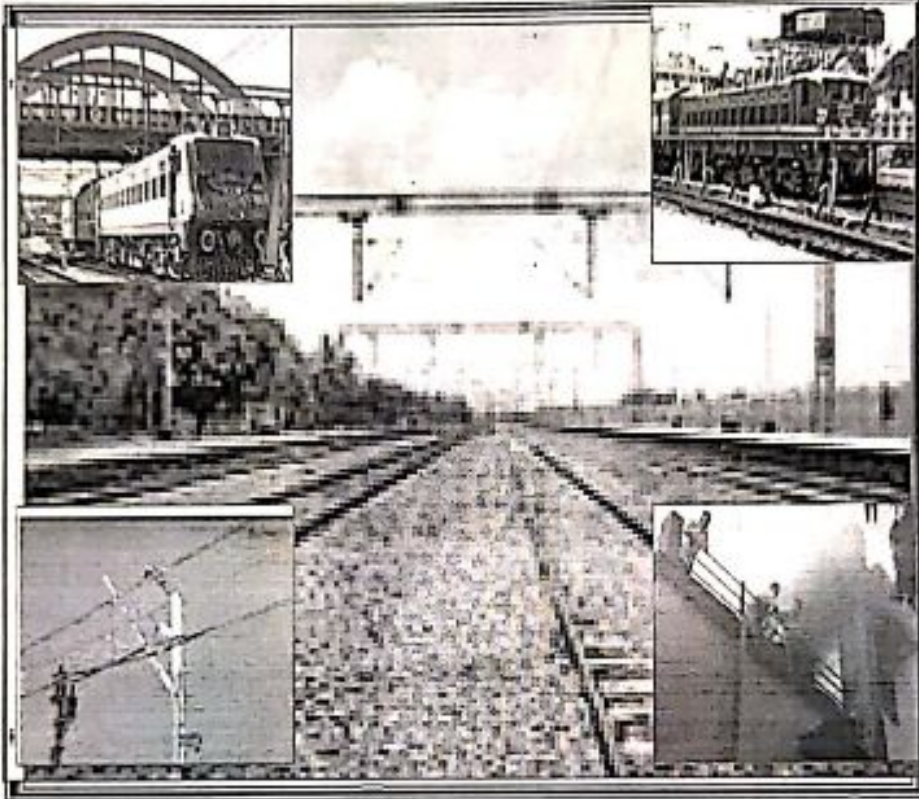


संरक्षा शाखा
सोलापुर मंडल



Safety Branch
Solapur Division

संरक्षा परिपत्र
Safety Circular
06/2021-22



विषय:- विद्युतीकृत क्षेत्र में संरक्षा सावधानियां ।

Sub:- Safety precaution in OHE Territory.

दिनांक Date 29.06.2021

SAFETY CIRCULAR -06/2021-22

All concerned /SUR

Sub:- Safety precaution In OHE Territory.

OPTG

1. Warn all staff about the danger of coming in close contact to the live traction overhead wires within 2 meters.
2. Warn travelling public about the hazards of travelling on foot boards and on roofs and projecting bodies outside the compartments.
3. Report at once to SCOR about any abnormal working of signal equipment/ block instrument.
4. Always use warning collars when power blocks are granted.
5. Don't allow any electric loco raised pantograph into a dead section / unwired turnout.
6. Don't allow any traffic into the section where OHE is snapped or obstructing traffic unless the obstructions/infringements are removed & clearance issued by Traction Staff.
7. Don't depute the staff to work on a signal where protected screen is not provided without obtaining PERMIT TO WORK from the authorized Traction staff.

C&W

1. Use side filling arrangements to water carriages.
2. Don't climb on roofs of carriages, wagons or engine over electrified track unless the overhead track conductors are made dead and earthed and PERMIT TO WORK is obtained from authorized traction staff.
3. Don't direct water hydrants towards overhead traction wires.
4. Do not operate the crane near overhead traction wires, unless the authorized representative of OHE section is present.

S&T

1. To avoid danger due to induced high voltages in the S&T circuits when the length of parallelism to track is appreciable, Staff should wear rubber gloves and use tools with insulated handles.
2. Don't touch any snapped/loosely hanging traction wires under any circumstances.
3. Don't disturb track bonding, earthing or S&T installations etc.

LOCO

1. Do not climb on the roof of diesel locos.
2. Do not pass through snapped/hanging loose overhead conductor, any traction structures. Do not proceed till obstructions are removed by the authorized traction staff.
3. Do not open the Hood Flap doors of Diesel Loco under OHE.

ENGG..

1. In case of wire snaps at a level crossing, the Gate keeper shall immediately make arrangements to stop all Road traffic and inform the nearest SM and/Traction Power Controller.
2. Maintain continuity of rails of electrified track during maintenance and track renewal works by providing temporary metallic jumpers of approved design as indicated in Para. 665(2)IRPWM.
3. The two ends of fractured rail should be temporarily connected by metallic jumpers of approved design taking necessary precautions. Rubber gloves should be used while connecting rail ends with jumpers.
4. Don't touch any fallen/hanging wires under any circumstances until it made dead and earthed by traction staff.
5. Don't use steel measuring tapes or long metallic wires/rods on the electrified track.
6. Don't use rails as foot path, a seat or for such other purposes.
7. Don't carry long pipes ladders, vertically which will come within the danger zone of 2 meters of live overhead traction equipment.
8. Don't allow the rails to touch each other to form continuous length greater than 300 meters while these are unloaded along the track.
9. For work adjacent to overhead equipment the Engineering Inspector shall apply to the proper authority sufficiently in advance for sanctioning the traffic and power block required.

10. The following Standard formats given vide Para. 20628 of ACTM should invariably be filled up in every case of S&T and Engineering work on or near AC Traction Electrical Equipment.
FORM No. ETR – 3, Part – A, Part – B, Part – C, Part – D.
11. Working of Cranes :- No crane shall be worked except on the authorised "permit-to-work" In every case of working a crane, arrangement should be made for the presence of authorised overhead equipment staff to ensure that all safety precautions are taken.
12. The setting distance of the structure should not be affected during slewing of track.
13. The track level should not be raised beyond the permissible limits during track works.
14. No part of the tree shall be nearer than 4 mts from the nearest live conductor.

TRD

1. Obtain "permit to work" before commencing of work within 2 metre on any live part of OHE.
2. The person who has taken "permit to work" (power block) from TPC, same person should cancel " permit to work (power block) after completion of work from TPC
3. Permit to work (power block) is to be taken in message book by exchanging the private number with TPC by field staff & for cancellation of power block same procedure is to be followed.
4. Discharge/Earthing pole assembly shall be inspected by SE/JE once a month & check the continuity of cable connection.
5. Staff should neither sit nor stand under ATD.(balance weight)
6. Do not stand on contact wire while working resulting kink from under swivel clip.
7. More than one person shall not be allowed on a ladder.
8. Always use safety belt & industrial helmet for safety.
9. Climb on roof of tower wagon only after obtaining permit to work (PTW) from TPC.
10. Use of old extension to ladder should be avoided.
11. Do not wear loose cloth such as kurta pazama, lungi, safi, chappal etc while working.
12. Don't use metallic ropes, use only manila ropes.
13. Always provide discharge rod on both sides while working on Tower wagon.
14. Always wear rubber sole shoes while working.
15. Use a rope to pass tools, equipment to the man working on a ladder.
16. Ladder should never be allowed to fall on or rest against the contact wire.
17. Use rubber hand gloves during operation of isolators.
18. Ladder should be held by one person on the ground, while the top end should be tied to the supporting structure/rope.
19. Even when earthing is provided by isolator switches with earthing heels, additional temporary earths shall also be provided on both side of the isolator.
20. Climbing on a ladder with wet or slippery foot wear is forbidden.
21. Ladder should not be used for transportation of material.
22. No one should stand directly below a work spot under a ladder.
23. There shall be no tree within 4 meter of OHE.
24. Don't stand on bracket tube/insulator while maintenance of OHE.
25. Don't use steel tape/metallic tape or tape with woven metal reinforcement in electrified track.
26. First fix earthing clamp to rail/mast of discharge/earthing pole assembly, test top clamp on RT/BT, hook top clamp on contact wire.
29. To remove earth, first remove discharge rod hook from OHE & then remove earth clamp from rail/mast.

All Staff

1. Safety shoes should be of rubber sole without any Metallic nails.
2. Umbrella's with metallic handle should not be used under electrified area.

All concerned to note and act accordingly.


 (Nisar A. Deshmukh)
 Sr.DSO/Solapur