



**CENTRAL RAILWAY**

मध्यरेल  
प्रमुखमुख्यइंजीनियरकार्यालय,  
छत्रपतिशिवाजीटर्मिनस,  
मुम्बई - 400 001.  
**CENTRAL RAILWAY**  
Principal Chief Engineer's Office,  
CHHATRAPATI SHIVAJI  
TERMINUS,  
MUMBAI - 400001.

No.W.187.R.A.XII

Date: 25/11/2021

**Sr. DEN (Co) BB, BSL, NGP, PA, SUR**

Sub: -Additional special conditions to be added in the tender documents for works contract for civil works.

Ref:- PCEE's letter No.L.249.EV.Elect.Accident dated 23.11.2021.

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In context with the above, Divisions might be including some of the safety precautions in tender document but for safe working near OHE wires in electrified sections, there are certain Important Instructions that needs to be followed by the contractor's men while execution of work and the same are given below for inclusion in tender document under clause "Safety Rules at worksites in electrified sections". For the existing contracts not having such instructions, but the same needs to be taken care of through additional letter to the executing agencies for the safety of men at work.

**"Safety Rules at worksites in electrified sections"**

1. Warn all the staff about the danger of coming in close vicinity of the live traction overhead wires within 2m. Do not carry out any work within a distance of 2m from the live parts of the overhead traction wires unless the traction wires are made dead and earthed and 'permit to work' is obtained from TRD.
2. The risk of direct contact with the live OHE is ever present while working in electrified sections for various type of works such as painting of steel work of through spans of FOBs/ROBs, platform covered sheds, replacement of sheets on COP etc. Therefore, no work shall be done within a distance of 2 m from the live OHE without 'permit to work'. It is also to ensured that no tool or any part of the body of the worker comes within the danger zone.
3. While working on service building and structures in the proximity of OHE, do exercise special care to ensure that tools, measuring tapes, materials, welding cables etc. are not placed in a position where they are likely to fall or may come in contact with OHE.
4. No crane shall work adjacent to OHE unless OHE is made dead and earthed and authorized OHE staff is present.

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5. Do take care when carrying or handling long pipes, poles, ladders, overhanging on shoulders which may inadvertently come in contact with or within 2m of live OHE.
6. Do not use steel measuring tapes, metal tapes, tapes with woven metal reinforcement, metallic leveling staff and long metallic wire rods on the electrified track.
7. Do not use any kind of tools or metal articles such as paint pots, oil case, metal bars, etc., which can be either lifted or be dropped or be carried by the wind on to the live OHE.
8. Do not hang/keep loose the welding cable while FOB/ROB/COP works are under progress.
9. Ensure availability of TRD, S&T staff at site for removing and replacing the traction bonds and jumper/ bonding connection wherever required (e.g. on FOB columns). Cancel the block to resume the normal traffic only after ensuring that traction bonds/ cable jumpers have been reconnected by TRD, S&T staff.
10. Do not touch fallen or hanging traction wires.
11. Avoid contact with the rails when an electrically hauled train is within 250m.
12. 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 screens, electrical earthing of FOBs steel work etc. Until then, the entry for FOB under construction shall be physically blocked for the use of public.
13. While carrying excavation works adjacent tracks and cable routes in an electrified area, take adequate precautions for the safety of staff and to avoid damage to underground cables and rail bonds.
14. Do ensure that while excavating or digging near a mast foundation, the foundation is not exposed. All such works to be done under intimation to TRD staff.
15. ADEN who is executing the contract, needs to counsel contract's Engineers, Supervisors and shall Issue Competency certificate for working near OHE live wire in the Performa attached as Annexure -A(i).
16. SSE/Works who is executing the contract, shall open an assurance register to maintain the records of counselling the contractual labors by the contractor's Engineer and SSE/Works shall countersign it. The Contractor's Engineer shall issue Competency certificate in the Performa attached as Annexure- A(ii) to such counselled labors.
17. Any contractual personal not having the Competency certificate issued by ADEN and Contractor's Engineer as mentioned at Sr. No. 17 & 18 above shall not be permitted to work near OHE live wires.

Above mentioned safety precautions (Sr. no. 1-14) have been finalized in consultation with CEDE/CSMT.

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**Annexure- A(i)**

Certified that Shri..... Engineer/Supervisor of M/s..... has been counselled and examined in safety measures to be followed while working in the vicinity of OHE wires. His knowledge has been found satisfactory to work in the vicinity of OHE territory.

Signature  
(Name of ADEN)  
ADEN

**Annexure- A(ii)**

Certified that Shri.....welder/helper engaged by M/s..... has been counselled and examined in safety measures to be followed while working in the vicinity of OHE wires. His knowledge has been found satisfactory to work in the vicinity of OHE territory. Its record has been maintained in the assurance register.

Signature  
(Name of Contractor's Engineer)  
Contractor's Engineer

Digitally Signed by  
Dharmendra Kumar Mishra  
Date: 30-11-2022 16:34  
Reason: Approved  
CE/SD