

Barricade Installation for Working Near the Running Track of Indian Railways

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Abstract: *The paper focuses on establishing safe work practices near running Indian Railway tracks by detailing specific barricade installation methods.*

It discusses the protocol for preparing work sites, emphasizing the need for detailed planning, proper training, and the use of temporary barricades to maintain track safety during work operations.

This paper outlines essential pre-work measures:

Contractors must provide requisite training and ensure adherence to safety norms while working near both running tracks and overhead equipment (OHE).

Detailed planning is required before any work begins, which includes safety measures to protect both the infrastructure and the workers.

During the execution phase:

The paper stresses strict compliance with “permit to work” systems, minimizing the infringement of moving dimensions of the railway, and ensuring that work does not encroach on critical safety clearances.

Measures such as deploying patrolmen, maintaining proper demarcations, and usage of safety signals like red flags are highlighted to protect both personnel and railway operations.

Additional safety considerations include:

Traffic block procedures before beginning work that may physically infringe on the defined movement dimensions of the track.

Specific guidelines for working near OHE areas and performing electrical work safely, including adherence to Indian Electricity Rules and the use of appropriate insulating and protective gear.

This paper provides comprehensive standards for hard barricading:

It requires that work conducted near the track center must follow special protocols, such as power block protection and the erection of safety fencing to prevent accidental encroachments.

Night operations mandate additional lighting and secure fencing to ensure safe working conditions.

This paper has practical implications:

It serves as a guide for railway contractors and engineers by setting out explicit precautions, which are essential in ensuring that work near running tracks is conducted with minimal risk to both personnel and the continuity of railway operations.

Emphasis is placed on coordination, adherence to documented safety procedures, and active monitoring during both the planning and operational stages.

Keywords: Barricading, Safety, Tracks, Schedule of dimensions, Indian Railway, IR, Traffic Block, Lookout, Overhead Equipment (OHE)

