

**भारतसरकार/Government of India**  
**रेलमंत्रालय/Ministry of Railways**  
**(रेलवेबोर्ड/Railway Board)**

2025/W-I/Genl./safety precautions

New Delhi, Dated: 02.06.2025

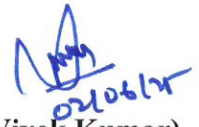
**General Managers,  
All Indian Railways.**

**Sub.: Monsoon safety precautions at Construction worksites.**

The precautions at works sites in case of Railway projects, particularly multi-tracking works need to be enhanced during the monsoon period. Apart from the precautions at work sites in close proximity of the running track, there are other activities which need to be undertaken as a pre-monsoon precaution to ensure that vulnerable situation is not caused by ongoing construction activity. Some of the precautions which need to be undertaken as pre-monsoon and during monsoon activity are enlisted as under:

- i. Risk assessment of excavations in the close proximity of running tracks must be done before the onset of the monsoon and based on assessment it should be decided whether it is safe to undertake the activity. In any case excavation to be done only when all protection arrangements considering the worst case scenario is made and measures are available to tackle emergency situation.
- ii. For the protection of partially excavated site, adequate number of sandbags must be kept at the site for the protection of side slopes etc.
- iii. The waterways of existing bridges which have been temporarily blocked for service road or other worksite activities must be cleared before the onset of monsoon.
- iv. Lifting / launching works at the construction sites must be done only after proper risk assessment with regard to firmness of the support areas, proximity to electrical installations and if undertaken has to be done only after ensuring that propping areas are firm and have adequate bearing strength.
- v. While working in the yard area, the care must be taken to ensure that the existing drainage system is not affected. Good debris management must be in place so that infringements to existing drainage system in yard or natural drainage in near vicinity is not compromised.
- vi. While undertaking multi-tracking activities in the cutting areas, it must be ensured that catch water drains are made functional before the monsoon and no cable trenches are left unfilled before the monsoon. Existing side drains in the existing cuttings has to be kept functional all the time.
- vii. Slope stability of newly built embankment or freshly cut cuttings to be done as per the guidelines and precautions to avoid excessive rain cuts in slopes must be in place before monsoon.

- viii. Worksites closed for the monsoon must be adequately secured before demobilization of workmen / machines.
  - ix. Vulnerable works sites with regard to flooding / breaches etc must be identified beforehand and some earth moving equipment must be kept in readiness at motorable locations to tackle emergency situations.
2. The above list is not exhaustive and based on the site conditions adequate precautions must be taken by the site in-charge in consultation Chief Engineer so that no vulnerable condition is created either at the site or to the running lines due to ongoing construction activities during the monsoon period.



(Vivek Kumar)

**Executive Director / Gati Shakti (Civil-II)**

**Railway Board**

**Copy to: CAO/Cs, All Indian Railways**