



Office of the,
Principal Chief Engineer
Western Railway HQ
Churchgate,
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Date:16.01.2026

SrDEN/Co MMCT, BRC, ADI, RTM, RJT & BVP

Sub: Safety measures to be taken during use of Temporary Girders in track for RUB works

Ref: Railway Board's letter No.2017/CE-IV/LX/Misc/244(LCs)Pt. dt.30.12.2025

Vide ref above, Railway Board has issued instructions for safety measures to be taken during use of Temporary Girders/RH Girders in track for RUB/Bridge works. Instructions issued by Railway Board in this regard is summarized as under:

“The RDSO drawings for temporary arrangements contain the instructions for precautions to be taken before, during and after placement of temporary arrangements/ RH girders in track. These instructions shall be included in the GAD/TAD etc. as appropriate and it may be ensured that these are followed diligently at site. Precautions to be taken at various stages of work are

1. **Before placement of RH Girder:** The site shall be properly surveyed using GPR survey/open excavation to detect presence of underground ducts/cables/ obstructions etc. and plan for their removal/shifting.
2. **During Placement of RH girder (using road cranes):** The health/age of cranes (including crane operator) shall be properly specified/ascertained through the road worthiness certificates and the maintenance records of the crane. Before actual execution of launching of RH Girder (under traffic/power block), mock trial must be done to verify the crane capacities including that of stand by cranes and to make the complete team aware of the sequence of operations, their roles, precautions to be taken during launching operations etc.
3. **During Removal of RH girder:** Granular backfill with proper compaction in layers (ensuring OMC) shall be ensured, so that there is no sudden or excessive settlement. It may be ensured that the excavation behind the Box is done for adequate width, which permits proper compaction.
4. **After removal of RH girder:** Proper manning of site shall be ensured till proper stabilization of backfill. This is especially important where water table is high or where rains/canal water is expected before the proper consolidation of backfill”.

Copy of Railway Board's letter is enclosed herewith for information and necessary compliance. It is requested that the above instructions should be incorporated in the GAD/TADs where RH Girders are being used.

Encl: As above

Digitally Signed by Bhawesh
Kumar Jha
Date: 16-01-2026 10:31:32
Reason: Approved

(Bhawesh Kumar Jha)
Chief Bridge Engineer

C/-

PCE/WR for kind information please.

DRM/ MMCT, BRC, ADI, RTM, RJT & BVP for kind information please.

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)**

No. 2017/CE-IV/LX/Misc./244(LCs)Pt.

New Delhi, dt. 30.12.2025

**Principal Chief Engineers,
All Zonal Railways.**

Sub: Safety Measures to be taken during use of Temporary Girders in track for RUB works.

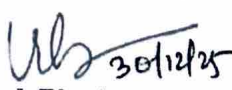
Ref: RDSO Drawings for temporary arrangements: Nos. RDSO/B - 1484, 1486, 11038, 11039R, 11040, 11041, 11042 and 11043.

The RDSO drawings for temporary arrangements (referred above) contain the instructions for precautions to be taken before, during and after placement of temporary arrangements/ RH girders in track. These instructions shall be included in the GAD/TAD etc as appropriate and it may be ensured that these are followed diligently at site.

Based on lessons learnt from few recent bad cases, additional care is required to be taken in the following aspects:

1. **Pre-placement precautions:** The site shall be properly surveyed and any services/ obstructions shall be identified in advance. GPR survey/ open excavation may be carried out for the same.
2. **Placing RH girder using cranes:** The health/age of cranes shall be properly specified/ ascertained through the road worthiness certificates and the maintenance records maintained by the crane operator. Before taking any block, mock trial must be done to verify the crane capacities including that of stand by cranes and to make the complete team aware of the sequence of operations, their roles, precautions to be taken during launching operations etc.
3. **Removal of RH girder:** Cohesionless backfill with proper compaction in layers shall be ensured so that there is no sudden or excessive settlement. It may be ensured that the excavation behind the Box is done for adequate width, which permits proper compaction.
4. **After removal of RH girder:** Proper manning of site shall be ensured till the backfill properly stabilizes. This is especially important where water table is high or where rains/ canal water is expected before the proper consolidation has occurred.

Zonal Railways are requested to ensure proper compliance of the above instructions.


(Vivek Bhushan Sood)
Exe. Director/CE(B&S)-II
Railway Board

CBE