

भारतसरकार (GOVERNMENT OF INDIA)
रेलमंत्रालय (MINISTRY OF RAILWAYS)
रेलवेबोर्ड (RAILWAY BOARD)

No. 2015/CE-II//TK/14

New Delhi Dated: 21.09.2023

Principal Chief Engineers
All Zonal Railways

Sub: Safety precautions at Worksites.

An unusual case of heavy jerk to goods train has been reported recently on one of Railways, due to loosening of fish bolts and subsequent dropping of fishplates at TRR location of PQRS worksite. Instructions have been issued from Board time to time to ensure safety at work sites to prevent any untoward incidents/accidents.

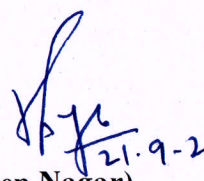
Detailed guidelines on Pre-relaying, During block and Post relaying operations for PQRS have been stipulated in Para 408 to Para 410 of Indian Railways Track Machine Manual 2019. Instructions on temporarily joining of rail ends during installation of LWR/CWR are covered in Para 326(5)(e) of IRPWM 2020, which is reproduced below:

"New rails used in LWR/CWR shall, as far as possible, be without fish-bolt holes. Joining of rail ends temporarily during installation of LWR/CWR shall be done by 1 m long fishplates with special screw clamps/joggled fish-plates having slotted grooves & bolted clamps as in Fig. 3.9, 3.10, 3.11, 3.12, 3.13 with speed restrictions indicated in Annexure - 3/8."

As per Annexure 3/8 of IRPWM 2020, speed restriction of 30 kmph shall be imposed when 1 metre long slotted fishplates (Fig. 3.9) with screw clamps (Fig. 3.10) & M.S. clamp (Fig. 3.11) or joggled fishplates with bolted clamps (Fig. 3.12) are used at a temporary rail joint and there is 24 hrs. watch. However, if the above arrangement is not under round the clock watch, speed restriction of 20 Kmph should be imposed, as mentioned in drawings.

To ensure safety at worksites and prevent any re-occurrence of such incidents, stipulated instructions of IRPWM 2020 and IRTMM 2019 should be followed in true spirit by Zonal Railways. Further, as being emphasised time and again, regular inspection of all work sites should be carried out at supervisors and officers level to detect any shortfall in stipulated precautions and taking required corrective action timely.

Close monitoring of worksites for adherence to stipulated instructions shall be ensured by Zonal Railways.


(Pradeep Nagar)
Executive Director Civil Engg. (Plg.)
Railway Board