

भारत सरकार (GOVERNMENT OF INDIA)
रेल मंत्रालय (MINISTRY OF RAILWAYS)
रेलवे बोर्ड (RAILWAY BOARD)

No. 2016/CE-II/Safety/Precaution

New Delhi, Date 10.08.2023

Principal Chief Engineers
All Zonal Railways

Sub: Maintenance of Track


1. With large scale adoption of LWR, the spots in track requiring frequent attention have significantly reduced. Still there are certain spots which require more frequent attention, some of which are listed below:

- a. Fish plated joints
- b. Glued Joints
- c. SEJs
- d. Approaches of Bridges
- e. LHS and LC approaches
- f. Track in cuttings
- g. Turn in curves
- h. Stretches due for deep screening

The degradation at such spots during monsoon is accelerated. Therefore, requirement of maintenance increases during monsoon. Post monsoon, these spots shall be attended thoroughly to improve the track riding quality.

Therefore, proper deep screening/ shallow screening of ballast needs to be done and systematic packing be organized by Zonal Railways at such locations. Track fittings in such locations be replaced/replenished. End cropping of joints, replacement of damaged Glued joints, SEJ etc should be planned for replacement, if condition warrants.

2. Joggled Fish Plates(JFP) are required to be provided at various locations as stipulated in IRPWM. These JFPs are required to be opened during machine tamping of section. Proper fixing of JFPs is essential to ensure that these JFPs serve the intended purpose. Therefore, Zonal Railways should ensure that JFPs provided at welded locations are opened and examined by P.way supervisor/Trackman to see that :-



10.8.23

- a. These are properly fishing and there is no point contact of Joggled Fish plates with rail head or foot. Required filling/grinding is done to avoid any point contact.
- b. Welds need to be properly ground and no material should be protruded, which can come in contact of Joggled fish plates.
- c. Correct hole drilling in rails.
- d. Chamfering of holes.
- e. Provision of screw clamps, whenever rail holes are not matching with the joggled fish plates.
- f. All welded joints provided with JFP should not only be inspected physically as indicated above but USFD testing should also be done and corrective action taken as per requirement.

Further, before fixing Joggled fish plates, they must be checked for geometrical correctness (It should be as per drawing i.e. straightness, proper fishing surface, proper holes drilling, standard fish bolts, proper bending of JFP and ensuring no part of JFP is in contact with weld). For this purpose, Go and No Go gauge as per RDSO Standard template should be available in SSE/P. Way stores. All JFPs supplied shall be got checked with it and only dimensionally correct JFPs are sent to field. JFP suppliers, supervisors and officers must be counselled.

3. Proper packing at required frequency shall be done under such welds, Glued joints, SEJ, etc by putting additional fresh ballast.

In this regard, a drive shall be launched in all sections over Zonal Railways, duly monitored by concerned DEN/ Sr. DENs and compiled by CTE. The details of drive should be sent by Sr. DEN/Co to PCE.


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

16.08.23