

North Eastern Railway
(Engineering Department)

C.E. Circular No. 95

Sub- Joint Sleepers

1. Rail Joints is the weakest link in the track and should be given special attention with regards to its structures and maintenance. Para 251 of IRPWM deals with maintenance of rail joints. Instructions already exist regarding provision of joint sleeper and its spacing in conventional steel sleeper track and on bridges. Due to scarcity of wooden sleeper at present, the matter has been analysed and the following structural requirement of rail joint should be ensured.

2. i) Joint sleeper spacing on all fish plated joints be only 300 mm centre to centre in conventional CST-9 and ST sleeper track. Joint sleeper should be provided with pad plated ST sleepers.

ii) In PSC sleeper track fish plated joints should be avoided as far as possible, if fish plated joint is un-avoidable, joint sleeper spacing should be 300 mm only centre to centre. One meter long fish plate with 6 bolt holes should be provided in each such joint. J- Clips and liners should invariable be provided in all fish plated joints.

iii) On bridges, where single rails are provided with fish plated joints the spacing of bridge sleepers both timber as well as channel sleepers should be maximum 300 mm centre to centre with clear gap not more than 50 mm. Fish plated joint should also be provided with 1 meter long fish plate with 6 bolt holes.

Above instructions should be implemented in a time bound programme of say six months and action plan prepared accordingly.

Ensure the implementation & report compliance.

Sd/

(D.G. Diwate)
Chief Engineer
dated: 04 .4.2006

No. CE/NER/Track/Circular/2001/275/Pt-III-4A

North Eastern Railway

Corrigendum on C.E. Circular No. 95

The existing para 2(1) of C.E. Circular No. 95 may be read as:-

Joint sleeper spacing on all fish plated joints be only 380 mm centre to centre in conventional CST-9 and ST sleeper track. Joint sleeper should be provided with pad plated ST sleepers.

No. CE/NER/Track Circular/2001/275/Pt-III-4A

sd/-
(H.K. Singh)
Chief Track Engineer
Dated 11.7.2006

Copy to –

1. Sr DEN/Co-ord, IZN,LJN & BSB.
2. CAO/Con/GKP.
3. Principal, System Training School, NER/GKP.
4. All Engineering officers/NER/GKP