

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

सं/No.2018/Track-I/11//1/ATWelding Vol.II

दिनांक/Date: 06.08.2024

**PCEs/All Indian Railways.**

**विषय/Sub: Implementation of Phased Array Ultrasonic Testing (PAUT) of Flash Butt welds.**

**संदर्भ/Ref:** 1. RDSO's letter No. CT/USFD/Phased Array weldtester dated 27.06.2023.  
2. Board's letter dated 12.06.2024.

1. ZRs & Construction Units were advised for adoption of PAUT for new Flash Butt Welds vide RDSO letter under Ref.-1. Further, vide Board's letter under Ref.-2, it was advised again to implement the testing of new Flash Butt Welds by PAUT.
2. In this context, to improve reliability and safety of train operations, Board(MI) has approved the testing by PAUT through outsourcing for the following: -
  - a) One time testing for all old Flash Butt Welds on 52kg rails on CC+8+2t routes and 60 kg, 880 grade rails on 25t routes; and
  - b) One time testing of all old Flash Butt Welds (Not tested with phased array) on all other 60 kg rail section in a phased manner in next 3-5 years.

Action taken in this regard may be advised to Board.

  
(Alok Kumar)  
**Executive Director/Track (P&P)**  
**Railway Board**  
**New Delhi 110001**  
**E-mail: [alokkumar.g@gov.in](mailto:alokkumar.g@gov.in)**

**प्रतिलिपि/Copy to:** PED/Infra-I, RDSO- for information & necessary action.