

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

सं/No.2024/Track-I/9(2)/USFD/Phased Array

दिनांक/Date: 24.10.2024

Principal Chief Engineer(s),
All Indian Railways.

विषय/Sub: Procedure order and technical eligibility Criteria for Phased Array Ultrasonic Single Rail Tester (PAUT SRT).

संदर्भ/Ref: RDSO's letter No. CT/USFD/Phased Array SRT dated 12.09.2024,
22.10.2024.

1. Procedure order and technical eligibility criteria for testing of rails by Phased Array Ultrasonic Single Rail Tester (PAUT SRT) was issued by RDSO vide letter under reference, therein, Zonal Railways were advised for adoption of PAUT SRT for rails testing on CC+8+2t routes on 52 Kg rails & the nominated 25T axle load routes in Phase-I.
2. PAUT is an advanced technology and capable of detecting even vertically oriented transverse fatigue defects & other unfavorably oriented defects in rails. Its early proliferation in the field is essential for improving safety and reliability of train operations.
3. Railways/PSUs are therefore requested to finalise agencies for the PAUT testing at the earliest. Since the cost of machine and manpower in Phased array Ultrasonic testing is much higher, Railways are advised to consider consolidating the requirement and longer time period of contract, say 3-5 years for better pricing and management.
4. While finalising tender documents, the provision in tender for setting up of data analysis centre by OEM/OEM representative in India for the purpose of analysis of all the data from testing of rails by PAUT SRT as advised by RDSO must be ensured.


24.10.24

(Alok Kumar)

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प्रतिलिपि//Copy to: 1. MD/DFCCIL, CMD/RITES, CMD/IRCON and CMD/KRCL for information and necessary action please.
2. PED/Infra-I, RDSO for information please.