

List of projects (As on December- 2017)

SN	Project Name
1.	Rail stress monitoring system
2.	Field Trial of Corrosion Resistant Rails (Cu-Mo Rail and N.C.C. Rails)
3.	Development of improved Glued Joint and standardization of in-situ glued joint and refurbishment of existing glued joints
4.	Study of further scope of improvement in rail quality and review of IRST-12-2009
5.	Field Trial of High yield strength Rails (Nb Rail & V-Rail)
6.	Study of Rail Corrosion due to Micro-Organism through CECRI, Karaikudi
7.	Field Trial of High Strength 110 UTS Rails
8.	Development of specification for manual USFD rail tester (SRT and DRT) having B-Scan facility.
9.	Development of Rail fracture detection system
10.	Development of composite sleeper for Indian Railways
11.	Development of Technology for Insitue reconditioning of CMS crossing
12.	Design of Wider Sleeper using more concrete & less steel along with fastening system for 25T axle load
13.	Development of technology for reduction in ballast thickness using USP.
14.	Revision of IRS specification of elastic rail clip(T-31-1992)
15.	Global EOI for modern fastening system suitable for ballasted track on Indian Railways
16.	Global EOI for improvisation in various track components of elastic fastenings (Rubber Pad and liner)
17.	Revision in specification of PSC sleepers IRS/T-39 and IRS/T-45
18.	Design & Development of canted Turnouts.
19.	Design and development of rail free fastening system.
20.	Development of composite GRSP for points and crossings.
21.	Development and design for SEJ on H-Beam sleepers.
22.	Standardization of holes for fixing E/D brackets for installation of Electric point machine.
23.	Development of weldable CMS crossing
24.	Design and drawing of ISEJ without checkrail for LWR
25.	Design of 1 in 12 scissor crossover with 60 Kg (UIC) rail on PSC sleepers.
26.	Development of explosive depth hardness (EDH) CMS crossing
27.	Manual for reconditioning of medium manganese steel points and crossings, SEJ and CMS crossings.