



By Register Post/E-mail

No. CT/SRC/Policy

Date: 15.12.2023

PCEs and PCMMs

All Zonal Railways

Sub: Stages of inspection for P. way fittings.

Several requests were received from Railways to clarify the stages of inspection for various track fittings. The details of the stages for the items for which vendor directory is maintained by RDSO are as under:

S. No.	Item/ Sub-item(s)	Item / Sub-item ID	Inspecting agency before introduction of TPI	No. of stages involved in inspection (including final inspection)	Description of inspection stages/Remarks
1	Cast Manganese Steel (CMS) Crossings & Weldable CMS crossings Sub-items : i) CMS crossings ii) Weldable CMS crossings	3100048 3100048003 3100048004	RDSO	2 to 4*	For 2 Stage of inspection: Stage 1: Metallurgical & Dimensional Inspection(after heat treatment) Stage 2: Final inspection (after machining) Inspection in both the stages shall comply with provisions of IRS : T-29 (Revised – 2023) specification and relevant drawings. *No. of stages may vary as the case may be in accordance to IRS: T-29 (Revised – 2023) specification
2	Grooved Rubber Sole Plates (GRSP) i) 10mm thick GRSP ii) 6mm thick GRSP	3100414 3100414001 3100414002	RDSO	1	Inspection shall comply with Physical Properties as per Clause 5.1, Dimension and Tolerances as per Clause 7, Marking as per Clause 8, freedom from defects as per clause 9 and packing as per Clause 14 of IRS T-55:2023 specification and aspects of relevant drawings.
3	Composite Grooved Rubber Sole Plates (CGRSP) i) CGRSP 10mm thick ii) CGRSP 6.2mm	3100326 3100326002 3100326001	RDSO	1	Inspection shall comply with Physical Properties as per Clause 5.2, Dimension and Tolerances as per Clause 7, Marking as per Clause 8, freedom from defects as per clause 9 and packing as per Clause 14 of IRS T-55:2023 specification and aspects of relevant drawings.
4	Nylon Cord Reinforced Elastomeric Pad i) Nylon Cord Reinforced Elastomeric Pad (25mm thick) ii) Nylon Cord Reinforced Elastomeric Pad (5mm thick)	3100037 3100037001 3100037003	RDSO	1	Inspection shall comply with Physical Properties as per Clause 2.5, , Dimension and Tolerances as per Clause 2.4, Marking as per Clause 5 and packing as per Clause 6 of RDSO/M&C/RP-197/2010 specification and aspects of relevant drawings.

5	6mm Thick Nylon cord Reinforced GRSP	31000561	RDSO	1	Inspection shall comply with Physical Properties as per Clause 5.3 , Dimension and Tolerances as per Clause 7, Marking as per Clause 8, freedom from defects as per clause 9 and packing as per Clause 14 of IRS T-55:2023 specification and aspects of relevant drawings.
6	AT Welding (all sub-items)	3100494	RDSO	1	Inspection shall be done as per part A Technical requirements for Thermit portions of IRS T-19:2021 specification.
7	Zero Toe Load Fastening (ZTLF)	3100515	RDSO	1	Inspection of Base plate, Special cast liner and steel embedded rail pad shall comply with provisions of following specifications respectively: 1. IRS Specification for Steel base plate (Provisional 2019) specification and relevant drawings 2. IRS Specification for Special Cast Liner (Provisional 2019) - First revision 2020 specification and relevant drawings 3. Guidelines for procuring Stainless steel plate to be embedded with rail pad (Provisional 2019) specification and relevant drawings
8	Switch Expansion Joints	3100431	RITES	1	Inspection shall comply with provisions of IRS: T-10:2023 specification and relevant drawings.
9	Improved Switch Expansion Joint (ISEJ) i) ISEJ for 65mm gap ii) ISEJ for 80mm gap	3100042 3100042001 3100042002	RITES	2	Stage 1: Metallurgical testing of heat treated rails. Stage 2: Final inspection. Inspection shall comply with provisions of : T-10:2023 specification and relevant drawings. Technical Specification for ISEJ (6902 to 6921) Technical Specification for ISEJ (6922 to 6934) .
10	SSD for use with OR curved switches	3100013	RITES	1	Inspection shall comply with provisions of IRS: T-54:2021 specification and relevant drawings.
11	Fabricated switch	3100045	RITES	1	Inspection shall comply with provisions of IRS: T-10:2023 specification and relevant drawings.
12	Glued Insulated Rail Joints	3100450	RITES	1	Inspection shall be carried out in accordance with Manual for Glued insulated rail joint(First reprint 2022) and relevant drawings
13	High Tensile Fish Bolts & Bolts	3100003	RITES	1	Inspection shall comply with provisions of IRS: T-28:1973 specification and relevant drawings
14	Elastic Rail Clips	3100558	Consignee Railway/ RITES (for POs of Pvt.	1	Initial Material Inspection: Technical Specification of the Raw Material as per Clause 4 of IRS T-31:2021 with corrigendum 02 of OCT 2023 and

			Agencies)		relevant drawings Final Product Inspection: Product testing as per Clause 7 of IRS T-31: 2021 with corrigendum 02 of OCT 2023 , however Fatigue Test shall be carried out in case of complaint/ reference from the user or any similar potent reason (on need basis only) as decided by RDSO and Stress Test shall be carried out at RDSO, only at the time of initial approval of firm.
15	Glass Filled Nylon-66 Insulating Liners Sub Item: Glass Filled Nylon-66 Insulating Liners	3100554 3100554001	UTES	1	The physical properties of GFN-66 as per Clause 7.1 to 7.8 and packing as per clause 10 of IRS T – 44:2023 specification at firm premises. Dielectric strength and Volume sensitivity can be tested from CIPET or any other NABL accredited labs as per prevailing practice.
16	Fish plate bars Sub Item: 4 nos. as given in Item Master	3100467/ 3100467001 ,3100467002, 3100467003 ,3100467004	UTES	1	Inspection of Raw Material shall be carried out as per clause 4 of IRS T-1: 2021 specification and relevant drawings
17	Spring Steel round to material Gr.55Si7	3100043	UTES	1	Inspection shall be carried out as per Clause 4 of IRS T-31:2021 specification and relevant drawings.
18	Thick web Switches	3100582	UTES	2	Stage 1: Metallurgical and dimensional inspection of End forged rails Stage 2: Final inspection. Inspection in both the stages shall comply with provisions of IRS: T–10:2023, T-12:2009, T-62: 2022 specifications and relevant drawings.
19	Fish Plates Sub Item: 4 nos. as given in Item Master	3100466 3100466001 ,3100466002, 3100466003 ,3100466004	UTES/ Consignee Railway	1	Lot Sampling and Inspection shall be done in accordance with clause 15 of IRS T-1: 2021 specification and relevant drawings.

This is for your kind information please.

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KUMAR SINGH

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