National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RESEARCH DESIGNS & STANDARDS ORGANISATION (MECHANICAL TESTING LABORATORY), RDSO, MANAK NAGAR, LUCKNOW, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10315 **Page No** 1 of 1

Validity 15/02/2022 to 14/02/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Air Brake System components used in Railways	Distributor Valve Performance & Endurance Test	RDSO Specification No. C-K209
2	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Air Brake System components used in Railways (for 30 conventional coaches, 132 Wagons and 30 E.P Assist coaches with Locomotive Control Stands)	Air Brake Test	Test Scheme as per Design Directorate of RDSO, Lucknow
3	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Components and structures of rolling stock and track	Fatigue Test with Amplitude Variation (Visual observation of defects generated in item)	Test method as per Design Directorate of RDSO, Lucknow
4	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Components and structures of rolling stock and track	Fatigue Test with Load Variation (Visual observation of defects generated in item)	Test method as per Design Directorate of RDSO, Lucknow
5	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Components and structures of rolling stock and track	Load test (FTL) - Fatigue Test with Load Variation	Test method as per Design Directorate of RDSO, Lucknow
6	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Components and structures of rolling stock and track	Load test (FTL) - Fatigue Test with Load Variation	Test method as per Design Directorate of RDSO, Lucknow
7	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Rolling Stock Components ,Springs, Elastomeric pads, Structures, and other Bogie and Track components	Fatigue Test (Variation of Load)	As per RDSO Test Specifications / Test Schemes
8	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Rolling Stock Components, Springs, Elastomeric pads, Structures, and other Bogie and Track components	Displacement Deflection test	As per RDSO Test Specifications / Test Schemes
9	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Rolling Stock Components, Springs, Elastomeric pads, Structures, and other Bogie and Track components	Fatigue Test (Variation of Displacement)	As per RDSO Test Specifications/ Test Schemes
10	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Rolling Stock Components, Springs, Elastomeric pads, Structures, and other Bogie and Track components.	Load Deflection Test	As per RDSO Test specifications/ Test Schemes