

CARRIAGE DIRECTORATE

Schedule of Technical Requirements/Specifications

S. No.	Specification No.	Rev.	Amend	Name of the Item
1.	61-B-36	1	1	Specification for Scharffenberger couplers & draw gear for electric multiple unit rolling stock for Calcutta & Bombay suburban service BG 1676 mm
2.	C-8215	2	2	Schedule of Technical Requirement Plastic Axle Guide Bush for Axle Box Guide Arrangement of ICF BG & MG bogies (Tentative)
3.	C-8217	2	-	Schedule of Requirements for aluminium chequered sheets for use as flooring material on coaching stock.
4.	C-8527	1	4	Specification for direct mounted double row self-aligning spherical roller bearings for use on ICF type all-coil bogies for passenger coaches
5.	C-8703	2	1	Specification for double acting hydraulic shock absorbers for ICF design coaching stock for secondary suspension
6.	C-8910	1	-	Schedule of technical requirements for direct admission valve
7.	C-9202	2	-	Technical specification for fabricated bogie frame /bolsters for coaching stock
8.	C-9307	2	Corri-1	Schedule of Technical Requirements of axle end locking screw used in roller bearing axle box arrangement of ICF coaches
9.	C-9406	2	2	Specification For Injection Moulded Silent Block For Anchor Link Of B.G. Coaches
10.	C-9407	3	4 Corri-1	Schedule of Technical Requirements for wood-based impregnated compressed laminates for use in railways coaches
11.	C-9501	3	1	STR for Rubber Springs for Draw Gear of BG Coaches
12.	C-9505	Revised	1	STR for enhanced capacity (Alloy Steel) screw coupling used on Railway Coaches
13.	C-9508	3	1	Specification for non-asbestos based 'K' type high friction composite brake blocks for EMU stock of Indian railways
14.	C-9509	2	1	STR for alloy steel draw hooks on railway coaches
15.	C-9802	-	-	Overhauling and testing of hose assembly of air brake system for coaching stock.
16.	C-9803	-	-	Schedule of technical requirements for rubber items used in air brake components for coaching stock
17.	C-9808	4	1 Corri-2	Schedule of technical requirements for manufacture of brake block hanger
18.	C-9809	4	1	Specification for non-asbestos based 'K' type high friction composite brake blocks for coaches with bogie mounted brake system on Indian Railways
19.	C-9901	2	6 Corri-1	STR for Upholstery for 1st Class AC Coach & Executive Class Chair Car of Shatabdi Express
20.	C-9907	4	1	Specification for Non Asbestos based low friction Composite Brake Blocks for application on coaching stock of Indian Railways

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21.	C-9911	3	6 Corri1	STR for Fire Retardant Curtain Fabric
22.	C-K009	2	2	Schedule of Technical Requirement for Purchase and acceptance of high tensile tight-lock CBC with AAR 'H' type head for fitment on BG passenger coaches of Indian Railways
23.	C-K013	1	-	Specification for Bogie Mounted Brake Cylinder with in Slack Adjuster for EMU & Mainline Passenger Coaches
24.	C-K105	1	1	STR for bolster suspension Hanger of mainline & EMU Coaches
25.	C-K201	-	1 Corri 1	Specification for Stainless Steel sheets/ Plates for Coaches of Indian Railways
26.	C-K202	-	1	Schedule of Requirement for Hanger Block of Mainline & EMU Coaches
27.	C-K207	5	-	Schedule of technical requirement of modular toilets for Indian Railways Coaches (BG)
28.	C-K209	-	2	Specification for distribution valve with relay valve for air brake system of passenger stock of Indian Railways
29.	C-K210	3	1	STR for high capacity buffer springs for side buffers of BG coaches.
30.	C-K211	1	1	Specification for non-asbestos based low friction composite brake blocks for application on MG Coaching Stock of Indian Railways
31.	C-K214	1	-	Requirements of infrastructure facilities of manufacture Dashpot Rubber packing ring
32.	C-K303	-	1	Technical specification for traction motor gears and pinions for EMU and MEMU rolling stock (Supersedes 71 - B - M - 55)
33.	C-K304	1	1	Schedule of Technical Requirement for Thermal bonded Polyester Wadding for use in Railway Coaches.
34.	C-K306	1	-	Technical specification for wind screen wiper arm & blade assembly for EMU, MEMU & DEMU
35.	C-K308	-	-	STR for Thermoplastic Polyurethane wearing piece for side bracket of BG coaches
36.	C-K404	1	Corri 1	Specification for double sealed unit (DSU) for AC coaches
37.	C-K407	3	1	STR for Air suspension control equipments for air spring assembly system with ICF/LHB type bogie
38.	C-K408	-	-	Technical specification of parking brake system for EMUs, MEMUs, DMUs and self-propelled vehicles
39.	C-K409	2	4	STR for high capacity HYTREL upper and lower washers used in the primary suspension for B.G. mainline coaches
40.	C-K513	-	6 Corri1	Schedule of Requirements for pre laminated shaded compreg for use in Railway Coaches
41.	C-K514	-	7 Corr-1	Schedule of Requirements for decorative thermosetting synthetic resin bonded laminated sheets for use in coaching stock
42.	C-K603	2	1	Specification of high energy capacity side buffers with built in crash elements for passenger coaches of IR
43.	C-K605	2	-	STR for self lubricating polyester resin based composite brake gear Bushes to be used in Main

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				Line Coaches (BG) (TENTATIVE)
44.	C-K606	2	1	STR for rubber springs for side buffers of CBC fitted coaches
45.	C-K607	2	1	STR for densified thermal bonded polyester blocks for use in railway coaches for seats and berths
46.	C-K608	-	-	Specification for Air Brake System for New Design NG Coaches for Darjeeling Himalyan Section of NF Railway (610 mm Gauge)
47.	C-K610	1	4 Corri1	STR for stain proof fire retardant upholstery cloth
48.	RDSO/2006/C G-12	1	4 Corri1	STR for superior quality of flexible polyvinyl chloride PVC flooring use in coaching stock
49.	RDSO/2006/C G-13	1		Specification for Fleet graphic films for advertising on exterior of Indian Railways coaches
50.	RDSO/2007/C G-01	-	3	STR for sheet moulding compound (SMC) to be used for manufacture of FRP products
51.	RDSO/2007/C G-02	1	3	STR for fibre glass reinforced plastic (FRP) windows of BG Main Line and EMU coaches
52.	RDSO/2007/C G-03	1	3	STR for fibre glass reinforced plastic (FRP) window guides, window sills and cross members of Main Line and EMU coaches
53.	RDSO/2007/C G-04	-	-	STR for technical requirement of flexible load bearing Polyurethane foam cushions for passenger coaches
54.	RDSO/2007/C G-05	1	-	STR for UIC type elastomer flange connection for inter-communication between passenger coaches
55.	RDSO/2007/C G-06	-	1	Specification for Injection Moulded Silent Block for Centre Pivot of BG Coaches
56.	RDSO/2007/C G-07	1	1	Schedule of Technical Requirements for Injection Moulded Thermoplastic Polymer Elastomer (HYTREL) axle box front cover for MG & BG Main Line and EMU Coaches
57.	RDSO/2007/C G-08	-	1	Specification for Cast Steel Axle Box Housing
58.	RDSO/2007/C G-09	-	1	STR for felt sealing rings for Spherical Roller Bearing Axle Boxes of ICF type coaching stock (Tentative)
59.	RDSO/2008/C G-01	-	-	STR for metal bonded conical rubber spring with external damper for primary suspension of EMU coaches having ICF Bogie
60.	RDSO/2008/C G-04	5	-	STR for Supply, Installation, Commissioning and Maintenance of automatic fire/smoke detection with alarm system Indian Railway AC Coaches
61.	RDSO/2008/C G-05	-	-	STR for lavatory fittings Water tap, flush valve, health faucet & T-valve for use in Indian railway Coaches (BG)
62.	RDSO/2008/C G-06	1	1	STR for Self lubricating polyester resin composite based wearing piece for side bearer for coaches (Tentative)
63.	RDSO/2008/C G-07	-	5 Corri1	STR for Vinyl coated upholstery fabric for coaching stock
64.	RDSO/2008/C G-12	-	-	STR for Automatic odour control system for IR AC Coaches
65.	RDSO/2009/C G-03	-	2	STR for Injection Moulded Polyacetal Protective Tube For ICF Type B.G. Main Line & EMU Trailer Coaches (Tentative)
66.	RDSO/2009/C G-16	-	-	Specification for Panel Mounted Air Brake System for HYBRID/ CONEVNETIONAL Coaches (Tentative)

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67.	RDSO/2009/C G-17	2	1	STR for Injection Moulded High Performance Polyamide -"HPPA" (Self Lubricated Superior Nylon Grade) Brake Gear Bushes for BG Main Line Coaches (Tentative)
68.	RDSO/2009/C G-19	1	-	STR for Conversion of HCC Trailer Bogie of DC/EMU Coaches for Retro-fitment of Air Spring in Secondary Stage
69.	RDSO/2009/C G-22	1	-	Technical requirements for purchase and acceptance of High Tensile AAR 'H' type Tight Lock Coupler with transition screw coupling for fitment on BG passenger coaches of Indian Railways
70.	RDSO/2010/C G-04	-	1	STR for High Capacity Thermoplastic Polyester Elastomer Upper Washer & Lower Washer Assembly Used in the Primary Suspension of BG EMU/DMU Coaches
71.	RDSO/2010/C G-06	1	-	Technical Pamphlet for maintenance of bogie and undergear of coaches to be used for high speed trials by RDSO
72.	RDSO/2010/C G-08	-	-	Specification for Fleet Graphic Films on Exterior of Indian Railways
73.	RDSO/2010/C G-11	1	-	Specification for Dust Monitor for Measuring dust level in AC & Non AC Coaches in running Condition
74.	RDSO/2011/C G-04	1	1	Specification for Axle Mounted Disc Brake System For LHB Type BG Mainline Coaches
75.	RDSO/2012/C G-03	2	-	Specification for Scotch Block for Use on Indian Railways BG Rolling stock
76.	RDSO/2013/C G-01	-	1	Specification For Non-Asbestos Based Organic Brake Pads For LHB Type Coaches Equipped with Disc Brake System on Indian Railways (Tentative)
77.	RDSO/2013/C G-03	-	1	Specification for Electro Pneumatic Brake System For EMU, DMU And MEMU Stock of Indian Railways
78.	RDSO/2013/C G-06	2	1	Schedule of Technical Requirements for Supply, Installation, Commissioning & Maintenance of "Automatic Fire Detection Cum Manual Suppression System" for Pantry Car & Generator Cum Brake Van of Indian Railway Coaches (ICF And LHB Design) (Tentative for Trial)
79.	RDSO/2013/C G-07	-	-	Specification for Hand Held, Low Temperature Non-Contact Type Optoelectronic Infrared Radiation (IR) Thermometer (Tentative)
80.	RDSO/2013/C G-09	-	-	Schedule Of Technical Requirement for Design, Supply, Installation, Commissioning & Maintenance of Automatic Smoke/Fire Detection With Alarm System for Indian Railway All SG (Non Ac & Ac) Coaches (Tentative For Trial)
81.	RDSO/2013/C G-10	-	-	Specification of 3 Phase AC Electrical Multiple Units (EMUs) (for Harbour Line)
82.	RDSO/2013/C G-12	-	-	Schedule of Technical Requirements for Generation & Supply of Inoculum (Seeding Bacteria) to Be Used In IR-DRDO BIO-Toilets
83.	RDSO/2013/C G-13	-	2	Schedule of Technical Requirements For Silicon Foam As A Cushioning Material for Indian Railway Passenger Coaches (Tentative)

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84.	RDSO/2014/C G-02	-	1	Specification for UIC-130 Pre-Sealed, Pre-Set And Pre-Lubricated Cartridge Taper Roller Bearings (CTRB) for Use on Coaches of LHB Design
85.	RDSO/2014/C G-03	-	-	Specification for Automatic Door Locking and Opening Mechanism for BG Mainline Passenger Coaches of Indian Railways
86.	RDSO/2014/C G-04 Provisional April, 2015	-	-	Schedule of Technical Requirements for Glass Fibre Reinforced Epoxy Resin (GFRE) Sheets For Roof Panelling of Indian Railways Passenger Coaches (B.G.) (Provisional)
87.	RDSO/2014/C G-05	-	1	Schedule of Technical Requirements for Silicon Foam as a Cushioning Material For Indian Railway Passenger coaches (Provisional)
88.	RDSO/2014/C G-11	1	1	Specification for Bogie Mounted Brakes Cylinder With Built In Double Acting Slack Adjuster for ICF Design BG Main Line Coaches
89.	RDSO/2014/C G-12	-	-	Schedule of Technical Requirements for High Capacity Crash Energy Management System with Anti-Climber for Passenger Coaches of Indian Railways(For Complete Rake of 24 ICF Screw Coupling Coaches)
90.	RDSO/2015/C G-02	1	1	Schedule of Technical Requirements for Composite Moulding for Flat, Angle, Base, Channel use in Indian Railways Coaches
91.	RDSO/2015/C G04	-	Corri-1	Specification for Water Purification System for Trial In Indian Railway Coaches
92.	RDSO/2015/C G-05	-	1	Schedule of Technical Requirements for Manufacture and Supply of Failure Indication Cum Brake Application (FIBA) Device
93.	RDSO/2016/C G-02	-	2	STR for Natural & Artificial Fiber Thermoset Composite (NAFTC) sheet for Roof Panelling of Indian Railway Passenger Coaches (B.G.) (Provisional)
94.	RDSO/2016/C G-04			Specification for derailment detector device for coaching stock of IR
95.	RDSO/2017/C G-01	1	Corri.1	Technical Specification for Hot Coiled Cylindrical Spring for use in Suspension of IR coaches having FIAT Design Bogies
96.	RDSO/2017/C G-02	1	-	Specification for standardization of brake disc used in LHB Coaches of IR.
97.	RDSO/2017/C G-04	-	-	STR for take away face towel used in IR Coaches
98.	RDSO/2017/C G-06	3	-	Specification of bio vacuum hybrid toilets for LHB type coaches
99.	RDSO/2017/C G-07	-	-	STR for high capacity semi-permanent coupler with balanced draft gear for max speed up to 200 kmph for fitment on LHB passenger coaches in IR
100.	RDSO/CG- 18001	1	-	Specification of Integration of different IT based system for IR passenger coaches
101.	RDSO/CG- 18002	-	-	Specification for BG light weight aluminum passenger car (LCO Hauled) with operational speed of 200 kmph upgradable to 200 kmph
102.	RDSO/CG- 18005	-	-	Specification for manufacture and supply of dampers for LHB Coaches.
103.	RDSO/CG/P- 20001	-	-	Schedule of Technical & Functional Requirements for train under the project PPP in Passenger Train Operations

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104.	RDSO/2020/C G-01	-	-	STR for Air Spring Assemblies for coaches
105.	RDSO/CG-20004	-	-	Setting up of fire testing facilities at RDSO
106.	IRS R-19/93 Part-II	4	Corri.1 of August 2015	Indian Railway Standard Specification For Solid forged wheels for Carriage, Wagon and EMU stock (Applicable to all gauges)
107.	IRS R-19/93 Part-III	-	Corri.1 to 6	Indian Railway Standard Specification For cast steel wheels for Carriage and Wagon(Applicable to all gauges)
108.	IRS R-19/93 Part-I	-	Corri.1 to 3	Indian Railway Standard Specification For wheel and Axle assembly for Carriage and Wagon(Applicable to all gauges)
109.	IRS R-16/95 Part-I	-	Corri.1 to 4	Indian Railway Standard Specification For Steel Axles assembly for Carriage and Wagon(Applicable to all gauges)