

NORTHERN RAILWAY

Hd. Qrs. Office
Baroda House
New Delhi

NOTE No.- MW/Wagon/TV/Pt. IV

Dt. **5** .12.2018

Sub : Guarantee / Warranty period to be specified in tender cases .

During CWM's Conference at LKO on dt. 15.11.18, MRS / Rly. Bd. has directed to specify amended Guarantee / Warranty clause for all future procurements to be done with RDSO specifications and specification contains Guarantee / Warranty clause .

A list of RDSO Specifications contains Guarantee / Warranty clause for the products alongwith related Pl. Nos. is enclosed herewith as “ **Annex. – A** (Freight Stock) , **B** (ICF/RCF Coaching Stock) & **C** (LHB/IRY-20 Coaching Stock) ” having Guarantee / Warranty clause .

In view of above, it is advised to incorporate **Special Condition** for Guarantee / Warranty clause as specified in Specifications for all referred Pl. Nos. in **Annex. “ A, B & C ”**.

DA: As above.



(Amit Kumar Agarwal)
Chief Workshop Engineer

Dy. CME / P / HQ

Copy to :-

CMM / M for necessary incorporation in tender .

Guarantee / Warranty of freight stock items

S N	Spec. No.	Description	Guarantee / Warranty (As per specification)	Related P. L. Nos.
1	WD-70-BD-10 (Page No-24)	Upgraded High tensile CBC	72 Months after their delivery or 60 months after the date of fitment whichever is earlier.	38134159, 38107077, 38130828, 38130865, 38130750, 38130762, 38136028, 38130841, 38130830, 38130816, 38134147, 38130853, 38134226
2	WD-71-BD-15 (Page No-9)	Upgraded D/Gear & component	72 Months after their delivery or 60 months after the date of fitment whichever is earlier.	38980370
3	WD-48-BD-08 (Page No-25,26)	High Tensile (Non – transition) CBC	54 Months after supply OR 42 Months after putting into service	38134056, 38107028, 38107030, 38107065, 38134093, 38134100, 38134111, 38134123, 38134135, 38134202, 38134240, 38135851, 38135887, 38136168, 38134226
4	WD-49-BD (Page No-10)	High Capacity D/Gear	54 Months after supply OR 42 Months after putting into service	38130397
5	WD-01HLS-(Rev-3) Amend-2(Page No-20),	Helical Spring	5 Year from manufacturing date 4 Year from fitment whichever is earlier.	38975385, 38975373, 38975361, 38976055, 38976043, 38976031, 38973467, 38973029, 38973017, 38972700, 38106127, 38103011, 38106140, 30661377
6	38-Misc-2004 (Page No-12)	CC PU Side Bearer AAL-021101 & AAL-021101/N	30 Months from the Month & Year Mfg.	38975348, 38975956, 38107363, 38976213, 38101427, 38107375, 38976195, 38976201
7	CONTR-01-Misc-2007 (Page No-6)	C.C Side Bearer	72 Months CC Side Bearer Assly, Housing & Spring element expected to work satisfactory. 60 Month from date of manufacturing.	38975038
8	WD-19-ABR (Page No-9)	Slack Adjuster IRSA-750 With Components WD-93061-S/1	36 Months from the date of supply 24 Months after putting into service.	38147749, 38124713
9	WD-07-ABR-92 Amend-5,(Page No-7)	Slack Adjuster IRSA-600	36 Months from the date of supply 24 Months after putting into service.	30328743, 38125328, 38141670, 38145108, 38145133, 38145212, 38145303, 38145509, 38145560, 38145534, 38145601, 38145613, 38145571, 38147701, 38147750, 38315051, 38970181, 38970326, 38974873, 38970697, 38971719

10	03-Misc-86 (Page No-4)	Metal Bonded R/Pads for Side Bearer WD-85076-S-1	54 Months from the date of Mfg.	38981609
11	20-Misc-95 (Amend- 3)	Elastomeric Pads WD-95005-S-1	30 Months from the date of manufacturing	38106322
12	AB/RB-39-2002 (Page No-10)	Roller Bearing Complete & Components for Adapter (N/Jaw, W/Jaw & Modified)	48 Months after supply OR 36 Months after putting into service (whichever is later)	38975397, 38037452, 30024171, 38972335, 38971677, 38971264
13	CONTR-02-MSG-SDB- 2012 (Page No-6)	Slackless Draw Bar RITES/TP 9405-S/001	84 Months from the date of Mfg. or 72 Months from the date of Fitment	38973583
14	WD-02-ABR-02 (Page No-5)	Air Brake all Components	36 Months from delivery 24 Months from Commissioning/Fitment	38970041, 38163615, 38163421, 38975063, 38165168, 38163378, 38972475, 38164991, 38977261,
15	04-ABR-02 Rev-1, Nov-17 (Para-6)	Pipe & Joints for Air Brake	30 Months from delivery 24 Months from Commissioning/Fitment	38230045, 38972440, 38975452, 38971770, 38972438, 38975774, 38975610, 38975440, 38165958, 38165946, 38975464, 38165958
16	WD-17-Casub 22HS Bogie (WD-04038- S/2,& 04078-S/1 (Amend-4 Feb-2010)	Complete Bogies/Components/ Sub-Assembly	30 Months from the date of Mfg. or 24 Months from the date of Fitment whichever is earlier.	38975749, 38975750, 38970788, 38106334, 38106346, 38124749, 38100587, 38147737, 38146605, 38146769, 38975762, 38106152, 38971355, 38104970, 38106693, 38107326, 38106164
17	WD-34-Casub 22 HS (Mod-I) Bogie (WD-04017-S/2) (Amend-3 Feb-2010)	Complete Bogies/Components/ Sub-Assembly	30 Months from the date of Mfg. or 24 Months from the date of Fitment whichever is earlier.	
18	WD-39-Casub 22 HS (Mod-II) Bogie (WD-08026-S/2) (Amend-1 Feb-2010)	Complete Bogies/Components/ Sub-Assembly	30 Months from the date of Mfg. or 24 Months from the date of Fitment whichever is earlier.	
19	WD-21-Casub 22 NLB Bogie (WD- 89073-S/2) (Amend-4 Feb-2010)	Complete Bogies/Components/Sub- Assembly	30 Months from the date of Mfg. or 24 Months from the date of Fitment whichever is earlier.	

Annexure -B

Guarantee /warrenty as given in RDSO/ICF/RCF Specifications for Coaching Stock

S.No.	Source	Description	Specification	warrenty/Guarantee	PL Nos
1	rsk	Helical Spring Centerless Ground)	WD-01-III.S-1994 (Rev. 3 of Jan' 2009) and Amndt no. 2 of aug..2018	5 year from the date of delivery OR 4 years from the date of actual fitment.	30010743 /36047752 /36047806 /30011474 /30661377 /30661389 /30050716 /30050029 /36107608 /30017075 /30970544 /30970507 /30970489 /36047340 /30010354 /30010482 /30010494 /
2	rdso	Thermoplastic Polyester Elastomer (HYTREL) Lower & upper Washer	C-K409 (Rev.-2) amndt.-4 of Aug.2016	30 month from date of supply OR 24 month from date of fitment	30010755 / 30010871
3	icf	Axle Box Housing (Finish Machined)	RDSO/2007/CG-08 (Amendment-1 of July 2009)	free of cost replacement with in one year from the date of fitment OR 3 years from the date of receipt.	30020487
4	icf	Rubber Washer for Bogie Bolster Suspension	R-64/98. (Rev-2 of Dec.05)	self life of rubber min.15 months from the date of supply	30050807 / 30051277
5	rdso	Double Acting Hydraulic Shock Absorber 600 Kg	C-8703 (Rev.-2) Amndt.1 of Aug.2016	4,00,000 km of service running of vchicle OR 2 yers from date of fitting.	30056068/30056070/30056925/30057127/30971032
6	rdso	Air spring suspension bogies equipments	C -K407 (Rev.-2) amndt.1 of Oct. 16	24 months from the date of actual commission OR 30 months from the date of supply	30360006/30360031/30360079/33599592/30057140/30057115
7	rdso	Air Spring Assembly (140KN)	C-K509 (Rev.-2) with 4 Amendments	60 months from the date of actual commission OR 72 months from the date of supply	30057759
8	icf	Injection Moulded Silent Block for Center Pivot Arrangement	RDSO/2007/CG-06 . Amndt - 1 of Aug.2016	42 month from date of supply OR 36 month from date of fitment	30070351 / 30070340

9	icf	Air Braake Equipments	02-ABR-2002 (amndt.-4)	36 month from date of delivery OR 24months from date of commissioning which ever is earlier	30100562/30350268/30350270/30350281/3 0352496/30357202/30358838/30970271/30 970568/30970805/31357090 Kits- 30352447/30358875/30359065/30970751/3 0100574/30352472
10	rdso	Air Brake Pipe joints [Stainless Steel]	04-ABR-2002 (amndt.-8)	30 month from date of delivery OR 24months from date of commissioning which ever is earlier	30350451/30352435/30352629/30358231/3 0358383/30358905/30360171/30970945/30 970969
11	icf	UIC Type Rubber Vestibule.	RDSO/2007/CG-05 (amndt-5) corrigendum-2	36 months from the date of delivery OR date of fitment which ever earlier	30256550
12	rdso	DV with Relay Valve including Adaptor along with Isolating Cock (For coaching stock)	C-K209 with 2 amendments and corrigendum to amndt.-1	60 month from date of supply OR 48 month from date of commissioning	30358796 kits- 30352824/30358401/30970799/30350967/3 0797019/31352595/30351881
13	icf	FRP Guide Cross Member,Sill,etc for Window	RDSO/2007/CG-03 (Rev.-1) with amendment 2 of Aug.2016	30 month from date of supply OR 24 month from date of fitment	30530805/30530817/30540732/30540744/3 0540756/30536017
14	icf	FRP Louver Shutter and Glass Shutter Assly	RDSO/2007/CG-02 (Rev-1) amndt 2 (for item-1)	30 month from date of supply OR 24 month from date of fitment	30542560/30542730/30543228/30550919
15	icf	Injection Moulded Thermoplastic Polyster Elastomar Axle BoxFront Cover	RDSO/2007/CG-07 (Rev.-1) Amndt.- 1	42 month from date of supply OR 36 month from date of fitment	30970623
16		Friction Snubber Assembly	RDSO/ C-K401 (Rev.-1) amndt.-1 oct 16	24 months from the date of comissioning	30542560
17	icf	Rubber Spring for Draw Gear	C-9501 (Rev.3) amndt.-1 of oct.2016	24 months from the year of delivery	38971756
18	icf	Rubber Buffer Spring for 1225 KgM Capacity Butler (In a set of 4 springs)	C-K210 (Rev.-3) amndt.-01 of oct.2016.	24 months from the date of supply	38974174

19	icf	PVC Flooring along with- 2 mm dia. PVC welding electrode.	RDSO/2006/CG-12, (Rev.-01 of Aug.08 with 3 Amendments- Last Amendment No. 3 issued in September 2015 oct 16 & corrigendum.-1	72 months from the date of supply OR 60 months from the date of fitment whichever ever earlier	75160031/75613839
20	icf	Vinyl Coated Upholstery Fabric - Artificial Leather	RDSO/2008/CG-07(with Amendment-05 & corrigendum-01)	54 months from the date of supply OR 48 months from the date of fitment whichever ever earlier	75402270/75402282
21	rdso nil	StainProof Fire Retardant Upholstry Cloth	C-K610 (Rev.-1) amndt.-4 of Aug.2016 & Corrigendum-1 of May-2015	36 months from the date of fitment OR 42 months from the date of supply	79333230
22	icf	Natural & Artificial Fibre Thermoset Composite (NAFIC)	RDSO/2016/CG-02.	42 months from the date of fitment OR 48 months from the date of supply	84114010
23	rdso	Self Aliging Spherical Roller Bearing having Parallel Bore suitable for mounting directly on axle for journal dia.130mm. for16.25t ICF (B.G) bogie.	C-8527.(Rev-1) (amndts.-1,2 & 3)	36 months OR 4,00,000 kms from the date commissioning whichever is later.	85192004
24	icf	BUFFER PLUNGER ASSEMBLY	ICF/MD/SPEC-252 (Rev.00)	24 months from date of fitment OR 36 months from the date of receipt of supply whichever is earlier.	37130810

25	icf	Cushion for seat and Berth	CK-607 (Rev-2) amndt.1	30 month from date of supply OR 24 month from date of fitment	30359119/30610618/30610667/30610709/3 0612950/30612962/30612974/30612986/30 612998/30617005/30617080/30617388/306 17893/30618228/30617108/30617110/3061 7200/30618265/30618277/30618289/30618 290/30618307/30618319/30660660/306606 71/30660695/30660701/30660713/3066072 5/30660737/30660774/30661341/30661353/ 30661365/30661470/30661493/30661500/3 0661511/30661523/30661535/30662898/30 662916/30662928/30662941/30660683 / 30618241
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LHB/IRY 19 STOCK ITEMS WITH RDSO SPEC.					Annexur-C
S.N.	N.R. P.L.No.	DESCRIPTION	Part/Drg. No.	RDSO Spec. No.	Guarantee/Warranty as per RDSO SPEC.
1	30352423	Standardized Brake disc for LHB coaches	-	RDSO/2017/CG-02 Rev.(0)	Guarantee 72 months from the date of delivery or 66 months from the date of fitment ,whichever is earlier
2	30352484	Non Asbestos based organic brake pads for LHB type coaches equipped with disc brake system on Indian Railway(one set consisting of 01 RH & 01LH)	-	RDSO/2013/CG-01 (with amend.slip No.1)	Warranty against any manufacturing defect noticed during the service before the condemning limit is reached or 24 months from the date of supply whichever is earlier.
3	33500988	Air Brake hose coupling for brake pipe for LHB coaches.	RDSO/SK.73547 alt.(13)	RDSO Spec. 02-ABR-2002 (Amnd.1of Feb.07 & Amnd.4 of Sep.16) Appendix-F	Warranty/Guarantee 36 months from the date of delivery or 24 months from the date of commissioning whichever is earlier
4	33501440	Improved High tensile tight lock centre buffer coupler with AAR 'H' type head and balanced draft gear (without crash element) for fitment on B.G passenger coaches of Indian Railway	-	RDSO/2011/CG-03 (Rev.1) (Amnd.1)	48 months from the date of delivery or 36 months from the date of fitment, whichever is earlier
5	33509025	Solid forged wheel(Rough turned) for Fiat type bogies	MI006615 alt.(a),itm nos.1 to 3	RDSO Spec. IRS-R-19/93 Pt.II (Rev.4) (Corr.-1)	Guarantee 5 years. This period shall be calculated from the end of the month stamped on the wheel.

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6	33509037	Semi finished axle for Fiat IR bogie	LW 02149 alt.(c)	RDSO Spec. IRS- R-16/95 (Corr.-3)	Guarantee 5 years. This period shall be calculated from the end of the month stamped on the axle.
7	33510210	Air Brake Hose coupling for feed pipe for LHB coaches	WD-81027-S-01 alt.(11)	RDSO Spec. 02-ABR-2002 (Amnd.1 of Feb.07 & Amnd.4 of Sep.16) Appendix-F	Warranty/Guarantee 36 months from the date of delivery or 24 months from the date of commissioning whichever is earlier
8	33580054	UIC 130 Pre-Sealed,Pre-Set andPre-Lubricated Cartridge Taper Roller Bearing (CTRB) for use on coaches of LHB design.	FIAT-SIG T.S. Nos.17.565 100 01 and 17.565 103 00	(For Developmental order,RDSO Spec. No.RDSO/2014/CG-02 (Amnd.-1) will be considered for M/s NEI Ltd. only)	Warranty 48 months after supply or 36 months after putting into service whichever is later
9	30011619	Rough turned axle(For use with UIC MTBU) for IRY Coaches	YF02128 alt.(nil),	IRS-R16/95 (Corrigendum 3)	Guarantee 5 years. This period shall be calculated from the end of the month stamped on the axle.
10	30011632	Primary Springs(outer&inner) in sets for AC chair car of IRY coaches	RDSO/SK. VC- 009 alt.(2), item1&2,	WD-01-HLS-94 (Rev.3) (Amnd.2)	Guarantee for a period of Five years from the date of delivery or for a period of four years from the date of actual fitment whichever is earlier
11	30011644	Secondary spring(outer) for AC chair car with IRY coach shell	RDSO/SK. VC- 010 alt.(3), item1,	WD-01-HLS-94 (Rev.3) (Amnd.2)	Guarantee for a period of Five years from the date of delivery or for a period of four years from the date of actual fitment whichever is earlier

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12	30011656	Secondary spring(outer) for high capacity power car of IRY coaches	RDSO/SK. 091 alt.(1), item1, VC-	WD-01-HLS-94 (Rev.3) (Amnd.2)	Guarantee for a period of Five years from the date of delivery or for a period of four years from the date of actual fitment whichever is earlier
13	30011668	Double acting hydraulic shock absorber for secondary suspension lateral application of IRY coaches	JUDW/MECH/18-674 (Rev. nil),	RDSO Spec.C-8703 (Rev.-2) (Amnd.1)	Gaurantee/Warranty 4,00,000 Kms of service running on a vehicle or for 2 years from the date of fitting to a vehicle whichever is earlier.
14	30057735	Yaw damper for IRY coaches	RCF Drg.No. MI000507 alt.(a) or equivalent	RDSO Spec. C-8703 (Rev.-2) (Amnd.1)	Gaurantee/Warranty 4,00,000 Kms of service running on a vehicle or for 2 years from the date of fitting to a vehicle whichever is earlier.
15	30057747	Shock Absorber for primary suspension for IRY coaches	JUDW/MECH/18-672 (Rev.- nil)	RDSO Spec.C-8703 (Rev.-2) (Amnd.1)	Gaurantee/Warranty 4,00,000 Kms of service running on a vehicle or for 2 years from the date of fitting to a vehicle whichever is earlier.
16	30352411	Disc for Disc brake for IRY coaches	YF 02129 alt.(a) item-2	RDSO Spec. C-8810(Rev.3)	Any part of brake system 36 months from the date of delivery or 24 months from the date of placing in service whichever is earlier
17	30990130	Secondary spring(Inner) for AC chair car of IRY coaches	RDSO/SK. VC-010 alt.(3), item 2,	WD-01-HLS-94 (Rev.3) (Amnd.2)	Guaranted for a period of Five years from the date of delivery or for a period of four years from the date of actual fitment whichever is earlier

LHB/IRY

18	30990233	Double acting hydraulic shock absorber(vertical) for secondary suspension arrgt. of IRY coaches	JUDW/MECH/18-673 (Rev.nil)	RDSO Spec.C-8703 (Rev.-2) (Amnd.1)	Gaurantee/Warranty 4,00,000 Kms of service running on a vehicle or for 2 years from the date of fitting to a vehicle whichever is earlier.
19	31010866	Axle box springs(outer&inner) for high capacity power car with IRY coach shell	RDSO/SK. VC-090 alt.(1), item1&2,	WD-01-HLS-94 (Rev.3) (Amnd.2)	Guarantee for a period of Five years from the date of delivery or for a period of four years from the date of actual fitment whichever is earlier