

(भारत सरकार) GOVERNMENT OF INDIA
(रेल मंत्रालय) MINISTRY OF RAILWAYS
(रेलवे बोर्ड) (RAILWAY BOARD)

No.2001/RS(IC)/Misc/165/1

New Delhi, dated 28.01.2013

COSs/CMEs/CEEs,
All Indian Railways/PUs.

Sub: Safety item list with unified PL number.

- Ref: 1. Dhall Committee recommendations on Public Procurement.
2. Rly. Board's letters no. 99/RS(IC)/165/SRC pt.1 dated 06.03.2012 & 14.03.2012.
3. MM's D.O. no. 2011/RS(G)/779/13 dated 21.12.2011.

Dhall Committee was constituted by Govt. of India to bring about reforms in public procurement. Based on that, various instructions were given by Govt. of India to different ministries. Ministry of Railways, inter-alia, was asked to initiate suitable reforms. In pursuant to this, Ministry of Railways had taken the task of unification of PL number. Safety items being of immense importance to Indian Railways, as a first step the updated list of safety items was issued vide Board's letter no. No.99/RS(IC)/165/SRC pt.1 dated 06.03.2012 in consultation with RDSO.

In order to bring further clarity on the same, the list of safety items of ICF, RCF, CLW and DLW (the PL unifying PUs) with unified PL numbers is being issued herewith.

In the list, the description, drawing, specification and unified PL number has been jointly reviewed by the design & stores wings of the respective PL unifying PUs. The hard copy of the joint review by design and stores is available on SMDMS.

Further, most of the items appearing in the list have been categorized into Cat. I, II & III in accordance with Board's letter no.99/RS(G)/709/1 pt.1 dated 11.03.2005. Wherever the category is not indicated Railway may follow the practice in vogue. The item reference in the list refers to the corresponding item no. in the list dated 06.03.2012.

The list is available in soft form on www.indianrailways.gov.in and SMDMS.

It is advised that the unified PL number as indicated in the list should be adopted by Zonal Rlys./PUs.



(A.N. Rao)

Dy. Director Railway Stores(IC)
Railway Board

Copy to: DG/RDSO/LKO, DG/RSC/BRC, Principals of IRIMEE/JMP & IRIEEN/NK.

Safety Items List with unified PL numbers (Items from ICF,CLW, DLW and RCF)

SN @	Item Description	Specification No.	Drawing No	Unified PL N	Category	PU	
3.1	FULLY MACHINED AXLE BOX REAR COVER	Note: ONE NUMBER PER BATCH SHALL BE SUBJECTED TO DESTRUCTIVE TESTING. REPLACEMENT GUARANTEE SHALL BE FOR ONE YEAR FROM THE DATE OF PUTTING THE COACH INTO SERVICE OR TWO YEARS FROM THE DATE OF SUPPLY, WHICHEVER IS EARLIER.	DRG. NO. T-0-2-603/ITEM-2,ALT 'C'	30020451	III	ICF	#
3.1	BG 16.25 TONNES ROUGH TURNED COACHING AXLE.	Note 1: GUARANTEE SHALL BE AS PER CLAUSE 15 OF SPECN IRS. R. 16/95 WITH CORRIGENDUM 1&2. Note 2: THE AXLES SHALL BE COATED WITH RUST PREVENTION OIL AND NOT TO BE PAINTED. NOTE 3: THE AXLE ENDS ARE TO BE STAMPED AS SHOWN IN THE DRAWING	DRG. NO. RDSO/SK-CG-K6015/ITEMS-1&2 WITH ALT-1	30020645	III	ICF	
3.1	FULLY MACHINED AXLE BOX FRONT COVER	Note: ONE NUMBER PER BATCH SHALL BE SUBJECTED TO DESTRUCTIVE TESTING. REPLACEMENT GUARANTEE SHALL BE FOR ONE YEAR FROM THE DATE OF PUTTING THE COACH INTO SERVICE OR TWO YEARS FROM THE DATE OF SUPPLY, WHICHEVER IS EARLIER.	DRG. NO. T-0-2-633/ITEM.1 ALT 'q'	30020750	III	ICF	#
3.1	BOLT FOR AXLE BOX /10.		T-0-2-608/5 ALT. 'q'	30020797	III	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT FOR WLRRM COACHES WITH BOGIEMOUNTED BRAKE CYLINDER (BMBC)	MATERIAL SCHEDULE NO. ICF/SK 10-2-513 ISSUE STATUS: 01 (REV. 00).		30357937**	II	ICF	
3.1	SUPPLY AIR BRAKE EQUIPMENTS FOR DMU/DTC & ARMV COACHES WITH 200 LITRES RESERVOIR & BOGIE MOUNTED BRAKE CYLINDER.	SCHEDULE NO. ICF/SK 10-2-309 (REV-01).	DRG. NO. DMU/DTC3/BMB-3-5-301	30358152**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT (INCLUDING PAS) FOR AC SELF GENERATION COACHES	MATERIAL SCHEDULE NO. ICF/SK 10-2-308 REV. 05. WITH CORRECTION SLIP-01.		30358292**	II	ICF	

3.1	SUPPLY OF AIR BRAKE EQUIPMENTS (INCLUDING PAS) FOR NON-ACCOACHES (SDC & WCB)	MATERIAL SCHEDULE NO. ICF/SK-10-2-303 REV-04 WITH C.S.NO.01.		30358309**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT FOR DETC (ON BOARD) COACHES WITHOUT EXHAUSTER TO SCHEMATIC WITH 200 LTS RESERVOIR	SCHEDULE NO. ICF/SK-10-2-321 (REV.02) C.S.04.	DRG. NO. DETC-3-5-013	30358322**	II		
3.1	SUPPLY OF AIR BRAKE EQUIPMENT (INCLUDING PAS) FOR SLR2 COACHES	MATERIAL SCHEDULE NO. ICF/SK-10-2-398 REV-02 WITH C.S.NO.01.		30358360**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT WITH 200 LITRES RESERVOIR FOR SRJ5 COACHES WITH BOGIE MOUNTED BRAKE CYLINDER	SCHEDULE NO. ICF/SK-10-2-398A REV NO.00 WITH C.S. NO.4.		30358413**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING PAS AND PNEUMATIC EQUIPMENT FOR CONTROLLED DISCHARGE TOILET SYSTEM (CDTS) FOR NON-AC COACHES (GS & SCN)	MATERIAL SCHEDULE NO. ICF/SK-10-2-441 (REV.02) AND ICF/SK-10-2-514 (REV.01) Note: THE FIRM SHALL QUOTE FOR AIR BRAKE EQUIPMENT AND PNEUMATIC EQUIPMENT FOR CDTS SEPERATELY.		30358425**	II		
3.1	SUPPLY OF AIR BRAKE EQUIPMENTS INCLUDING PAS AND INSTALLATION OF SS PIPES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR GS & SCN COACHES EXCEPT ITEMS AT SL.NO.4 ITEM UNDER SL.NO.2.1 SHALL BE 1 NO. PER COACH.	MATERIAL SCHEDULE NO. ICF/SK-10-2-503 ISSUE STATUS.01 REV-01 WITH C.S.01		30358498**	II	ICF	

3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING PAS AND INSTALLATION OF SS TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR AC(WGSCWAC, WGFAC, WGFSC WAC AND WGSCZAC) AND NON AC (GS, SDC, SCN, WGB AND SLR) COACHES	AS PER MATERIAL SCHEDULE NO. ICF/SK-10-2-503 ISSUE STATUS: 01, REV. 03-CS-01 & 02.		30358516**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENTS INCLUDING PAS AND INSTALLATION OF SS PIPES & DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR SLR COACHES ITEM UNDER SL NO. 2.1 SHALL BE 1 NO. PER COACH.	MATERIAL SCHEDULE NO. ICF/SK-10-2-503 ISSUE STATUS 01 REV-01, WITH C.S. 01		30358541**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENTS INCLUDING PARKING BRAKE STAINLESS STEEL PIPES & STAINLESS STEEL FITTINGS FOR JDCC COACHES	MATERIAL SCHEDULE NO. ICF/SK-10-2-494 ISSUE STATUS. 01. REV. NO. 00.	DRG. NO. JDCC-3-5-003	30358607**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT WITH PASSENGER EMERGENCY ALARM SYSTEM FOR MILITARY KITCHEN CAR	TO MAT. SCHEDULE NO. ICF/SK-10-2-495 ISSUE STATUS 01, REV. 00, WITH C.S. NO. 01.		30358619**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING INSTALLATION OF PARKING BRAKE AND STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR SV/DPC COACHES	TO SCHEMATIC DRG. NO. SV/DPC-3-5-001 ALT 'a' AND MATERIAL SCHEDULE NO. ICF/SK-10-2-499 ISSUE STATUS 01, REV. 02 & CS. 01.		30358620**	II	ICF	#

3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING INSTALLATION OF STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR ARTV COACHES	MATERIAL SCHEDULE NO. ICF/SK-10-2-500 ISSUE STATUS 01, REV. 02 WITH CS. 01.	SCHEMATIC DRG. NO. ARTV3-3-5-301, ALT 'a'	30358632**	II	ICF	#
3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING INSTALLATION OF STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR ARMVAC COACHES	MATERIAL SCHEDULE NO. ICF/SK-10-2-501 ISSUE STATUS 01, REV. 01, WITH CS. 01	TO SCHEMATIC DRG. NO. 30935001	30358668**	II	ICF	#
3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING PAS AND PNEUMATIC EQUIPMENT FOR CONTROLLED DISCHARGE TOILET SYSTEM (CDTS) FOR AC SELF GENERATION COACHES.	MATERIAL SCHEDULE NO. ICF/SK-10-2-308 (REV. 05) AND ICF/SK-10-2-514 (REV. 01)		30358681**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING PAS AND PNEUMATIC EQUIPMENT FOR CONTROLLED DISCHARGE TOILET SYSTEM (CDTS) FOR SLR2 COACHES	MATERIAL SCHEDULE NO. ICF/SK-10-2-441 (REV. 02) AND ICF/SK-10-2-514 (REV. 01)		30358693**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING PAS AND PNEUMATIC EQUIPMENT FOR CONTROLLED DISCHARGE TOILET SYSTEM (CDTS) FOR NON-AC COACHES (SDC & WCB).	TO MATERIAL SCHEDULE NO. ICF/SK-10-2-303 (REV. 04) AND ICF/SK-10-2-514 (REV. 01)		30358700**	II	ICF	

3.1	BG 20.32 TONNES ROUGH TURNED EMU MOTOR COACH AXLE.	Note1: GUARANTEE SHALL BE AS PER CLAUSE 16 OF SPECIFICATION IRS R-43/92. Note THE AXLES SHALL BE COATED WITH RUST PREVENTION OIL AND NOT TO BE PAINTED. NOTE 2: THE AXLE ENDS SHALL BE STAMPED AS SHOWN IN THE DRAWING. WITH CORRIGENDUM1.	TO DRG.NO.AC/DC/E MU/B-0-2- 002/COL.1 WITH ALT'e'	31020264	III	ICF	
3.1	BG 20.30 TONNES ROUGH TURNED AXLE FOR HIGHER CARRYING CAPACITY EMU TRAILER COACHES	Note: 1 GUARANTEE SHALL BE AS PER CLAUSE 15 OF SPECIFICATION IRS R-16/95 WITH CORRIGENDUM 1&2. THE AXLES SHALL BE COATED WITH RUST PREVENTED OIL AND NOT TO PAINTED. NOTE 2: THE AXLE ENDS SHALL BE STAMPED AS SHOWN IN THE DRAWING.	DRAWING NO- AC/DC/EMU/D2-0- 2-204/COL-1 WITH ALT-f'	31027090	III	ICF	
3.1	GEAR WHEEL FOR HAND BRAKE.		DRG.NO.EMU-3-4 030. COL- IV,ALT'p'	31340209	III	ICF	
3.1	SUPPLY OF PARKING BRAKE EQUIPMENT FOR AC/EMU, MEMU, AND HHP/DMU/DPC(WITH EPBRAKE) CONFORMING TO WITH CORRECTION SLIP NO.01.	RDSO SPECIFICATION C-K408 REV.00 AND MATERIAL SCHEDULE NO.ICE/SK-10-2-229 (REV.04)		31354634	III	ICF	#
3.1	SUPPLY OF AIR BRAKE EQUIPMENTS FOR DMU/TC COACHES WITHBogie MOUNTED BRAKE CYLINDER.	SCHEMATIC DRG NO. DMU/TC-35-001, SCHEDULE NO.ICE/SK-10-2-310. REV NO.01		31356310**	II	ICF	
3.1	SUPPLY OF AIR BRAKE EQUIPMENT FOR DHMU/DPC & ARTVCOACHES. WITH 200 LITRES RESERVOIR.	SCHEDULE NO.ICE/SK-10-2-306 (REV-01). WITH C.S.I DT.25.4.03	SCHEMATIC DRG. NO. DMU/DPC/35-315	31356916**	II	ICF	
3.1	EP BRAKE EQUIPMENT FOR AC-DC/EMU/MOTOR COACHES WITH AIR SPRING SUSPENSION SUITABLE FOR REGENERATIVE BRAKE BLENDING.	MATERIAL SCHEDULE NO.ICE/SK-10-2-326 (REV-02) WITHCORRECTION SLIP NO.5.	DRG.NO.AC/DC/E MU/M2-3-5-207	31356953	III	ICF	

3.1	SUPPLY OF TWIN TOWER HEATLESS REGENERATIVE TYPE AIR DRYER AS PER RDSO APPROVED MODEL NO. ORIFICE SIZE AND QAP.	AS PER CLAUSE 4.13 RDSO/SPECN NO. MP.0.01.00.06 (REV.05) MARCH 2011 (HHP-DMU) EXCEPT CLAUSE NO. 7.3 AND 7.7 DRG NO-SK DP 3566(ANNEXURE-4 OF THE GOVERNING SPECIFICATION) Note 1: THE FIRM SHALL SUBMIT A COPY OF THE APPROVAL LETTER OF RDSO MENTIONING THE APPROVED MODEL NO. ORIFICE SIZE AND QAP. THE INTER CONNECTING PIPES OF THE SPECIFICATION MENTIONED ABOVE SHALL BE IN THE SCOPE OF RAILWAY. Note 2: THE FLANGE CONNECTION OF INLET AND OUTLET PIPES SHOULD BE 1 1/4 BSP AS PER RDSO FIRM SHALL INCLUDE THE FOLLOWING, SUITABLY BY EMBOSSING/ENGRAVING ON THE NAME PLATE 1) MODEL NO-2/ORIFICE SIZE 3) COACH APPLICATION :HHP-DMU.		31357179	I	ICF	#
3.1	SUPPLY OF TWIN TOWER HEATLESS REGENERATIVE TYPE AIR DRYER	RDSO/SPECN NO. MP.0.01.00.06 (REV.05) MARCH 2011 (EMU/MEMU) EXCEPT CLAUSE NO. 7.3 & 7.7 AS PER RDSO APPROVED MODEL NO. ORIFICE SIZE AND QAP. THE INTER CONNECTING PIPES AS PER CLAUSE 4.13 Note: THE SPECIFICATION MENTIONED ABOVE SHALL BE IN THE SCOPE OF ICF.		31357209	I	ICF	#
3.1	SUPPLY OF EP BRAKE EQUIPMENT INCLUDING INSTALLATION OF PARKING BRAKE, AIR DRYER, CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION, AND STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR HHP DMU-DPC COACHES.	MATERIAL SCHEDULE NO ICF/SK-10-2-420 ISSUE STATUS - 01, REV.02 AND CS.01.	SCHEMATIC DRG NO. DMU/DPC 7-3-5-701 ALT 'Y' AND DMU/DPC/SS-3-5-001	31357258**	III	ICF	#

3.1	SUPPLY OF E.P.BRAKE EQUIPMENT INCLUDING INSTALLATION OF CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION AND STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS FOR HHP DMU-TC COACHES	MATERIAL SCHEDULE NO ICF/SK-10-2-421 ISSUE STATUS - 01. REV.03 & CS.01.	SCHEMATIC DRG.NO.DMU/TC 4-3-5-403 ALT 'c'	31357260**	III	ICF	#
3.1	SUPPLY OF EP BRAKE EQUIPMENT INCLUDING INSTALLATION OF CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION, AND STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS FOR AC/EMU-TRAILER COACHES	MATERIAL SCHEDULE NO ICF/SK-10-2-425 ISSUE STATUS 01 REV.03 & CS.01.	DRG.NO.EMU/2D/ ASR-3-5-201 ALT 'b'	31357430**	III	ICF	#
3.1	SUPPLY OF E.P.BRAKE EQUIPMENT INCLUDING INSTALLATION OF CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION, PARKING BRAKE, AIR DRYER AND STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR AC/EMU/M COACHES	MATERIAL SCHEDULE NO ICF/SK-10-2-424 REV.04 ISSUE STATUS-01 & CS.01.	DRG.NO.AC/EMU/ MASR-3-5-011 ALT 'b'	31357441**	III	ICF	#
3.1	SUPPLY OF AIR BRAKE EQUIPMENTS WITH STAINLESS STEEL PIPES,STAINLESS STEEL FITTINGS AND PASSENGER EMERGENCY ALARM SYSTEM FOR FIRSTCLASS AC (WGFAC7) COACHES	MATERIAL SCHEDULE NO ICF/SK-10-2-493 ISSUE STATUS 01 REV.00.		31357519**	II	ICF	

3.1	SUPPLY OF AIR BRAKE EQUIPMENT INCLUDING PARKING BRAKE FOR JDCC COACHES	SCHEDULE NO ICF/SK-10-2-496, ISSUE STATUS: 01, REV. NO.01,AMD-01.	DRG. NO JDCC-3-5-003	31357520**	II	ICF	
3.1	SUPPLY OF EP BRAKE EQUIPMENT INCLUDING INSTALLATION OF CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION,AIR DRYER, PARKING BRAKE, STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR MRVC/AC/DC/EMU/D/HC COACHES	ICF/SK-10-2-511 ISSUE STATUS:01, REV.01, C.S.NO.01. Note:THE FIRM SHALL QUOTE SEPARATELY FOR ITEMS MENTIONED IN NOTE A-8 OF THE ABOVE MAT. SCHEDULE.	DRG.NO ICF/MRV C/D/HC-3-5-001 ALT 'c'	31357532**	III	ICF	
3.1	SUPPLY OF EP BRAKE EQUIPMENTS INCLUDING INSTALLATION OF CONTROL EQUIPMENTS FOR AIR SPRING SUSPENSION,AIR DRYER, PARKING BRAKE, STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR MRVC/AC/DC/EMU/D COACHES	MATERIAL SCHEDULE NO ICF/SK-10-2-510 ISSUE STATUS:01, REV.01 CORRECTION SLIP 02. Note:THE FIRM SHALL QUOTE SEPARATELY FOR ITEMS MENTIONED IN NOTE A-9 OF THE ABOVE MAT.SCHEDULE.	DRG.NO ICF/MRV C/D-3-5-001 ALT 'c'	31357544**	III	ICF	
3.1	SUPPLY OF EP BRAKE EQUIPMENT INCLUDING INSTALLATION OF CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION, STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR MRVC/AC/DC/EMU/MOTOR COACHES	MATERIAL SCHEDULE NO ICF/SK-10-2-509 ISSUE STATUS:01, REV.01, C.S.NO.2. Note: THE FIRM SHALL QUOTE SEPARATELY FOR ITEMS MENTIONED IN NOTE A-9 OF THE ABOVE MAT.SCHEDULE.	DRG.NO ICF/MRV C/M-3-5-001 ALT 'b'	31357556**	III	ICF	

3.1	SUPPLY OF EP BRAKE EQUIPMENT INCLUDING INSTALLATION OF CONTROL EQUIPMENT FOR AIR SPRING SUSPENSION, STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR MRVC/AC/DC/EMU/C COACHES	MAT.SCHEDULE NO.ICF/SK-10-2-512,ISSUE STATUS-01, REV.01, C.S.NO.01.	DRG.NO.ICF/MRV C/C-3-5-001 ALT ^b	31357568**	III	ICF	
3.1	SUPPLY OF EP BRAKE EQUIPMENTS INCLUDING INSTALLATION OF CONTROL EQUIPMENTS FOR AIR SPRING SUSPENSION, STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS SUPPLIED BY ICF FOR DMU/DTC/JK COACHES	MAT.SCHEDULE NO.ICF/SK-10-2-519 REV.00.	DRG.NO.DMU/DT C/JK-3-5-002 ALT ^a	31357611**	III	ICF	
3.1	STAINLESS STEEL RESERVIOR 9 L CAPACITY		DRG.NO.ICF/STD 3-5-041 ALT d.	31357684	III	ICF	#
3.1	E.P. BRAKE EQUIPMENT FOR AC EMU MOTOR COACHES	SCHEDULE NO.ICF/SK 10-2-203(REV-2C.S.NO.1.	DRG.NO.- MEMU/DMC.3-5-009	31396010	III	ICF	
3.1	BRAKE APPLICATION RELAY		DRG. NO.ICF/SK/7-2-395 ALT 'd.	31755926	III	ICF	#
3.1	AXLE ROUGH TURNED FOR TRAILER COACHES.	SPECN. IRS, R-16-95 WITH CORRIGENDUM 1 & 2 NOTE1: GUARANTEE SHALL BE AS PER CLAUSE. 15 OF IRS, R.16-95 NOTE2: AXLE ENDS SHALL BE COATED WITH RUST PREVENTION OIL AND NOT TO BE PAINTED.	MRB-0-1-002 COL.1, ALT 'b/4'	36010066	III	ICF	rem

3.1	ROUGH TURNED AXLE.	SPECN. IRS R-43/92 TO BE READ ALONG WITH CORRIGENDUM 1. NOTE1: GUARANTEE SHALL BE AS PER CLAUSE 16 OF SPECN. IRS R-43/92. NOTE2: THE AXLES SHALL BE COATED WITH RUST PREVENTION OIL AND NOT TO BE PAINTED.	MRB/DMC-0-2-004, COL. I, ALT NIL	36010078	III	ICF	rem
3.1	AXLE ROUGH TURNED TO BE STAMPED AS PER DRG.	SPECN IRS-R-43-92 CORRIGENDUM NO.4 OF FEB 83	MRN/M 01002 ALT NIL/3	36010080	III	ICF	rem
3.1	Axle rough turned for Motor Coach for Kolkata Metro	IRS-R-43-92 Category 'A'	MRB/DMC/SS-02-004/ COL-1 ALT NIL	36020230	III	ICF	rem
3.10	Solid forged wheels (rough turned) for MG coaching stock	IRS R-19/93 (Part II) Rev.4 of July, 2012	MGT-01-004	30014153	III	ICF	rem
3.10	SOLID WHEEL ROUGH TURNED FOR BG COACHING (FORGED/ROLLED)	Note 1: TO BE READ ALONG WITH CORRIGENDUM 1,2&3. GUARANTEE SHALL BE AS PER CLAUSE 19 OF SPECN. IRS R.19/93 PART-II REVISION-3. WITH CORRIGENDUM 1,2&3. NOTE 2: THE RIM OF THE WHEEL MUST BE TRUE TO THE BORE OF THE WHEEL.	DRG.NO.RDSO/S K-W/WL-1660/R ITEM-1 WITH ALTERATION '12'	30020372	III	ICF	rem
3.10	WHEELSET (WHEEL AND AXLE COMPLETE) 16 TONNE FOR BG COACHING.	???	DRG.NO WTAC3-02-301 COL. II ALT 's'	30020761	III	ICF	
3.10	SOLID WHEEL ROUGH TURNED IMP		T 02 514 ALT u / 7	30020803			
3.10	FULLY MACHINED AXLE BOX FRONT COVER.	Note: SUPPLIERS OF AXLE BOX FRONT COVER SHALL GUARANTEE REPLACEMENT FREE OF COST OF SUCH ITEMS WHICH MAY BE DEVELOP DEFECTS WITHIN ONE YEAR FROM THE DATE OF TAKING COACH INTO REGULAR SERVICE OR WITHIN TWO YEARS FROM THE DATE OF RECEIPT OF SUPPLY WHICHEVER IS EARLIER.	DRG.NO.T 0-2-633/2, ALT 'q'	30020888	III	ICF	rem

3.10	FINISH MACHINED WHEEL AND AXLE SET FOR 10 TON AXLE LOAD BOGIE WHEELS ARE TO BE ROLLED OR FORGED-STAMPING TO BE DONE AS PER MGT 01006	IRS R-19/93 (Part II) Rev.4 of July, 2012	MGT 02012 ALT w/6	30024249		ICF	rem
3.10	WHEEL CENTRE AND TYRE ROUGH TURNED AND RETAINING RING	SPECN. IRS-R-19-93 PART-V TO BE READ ALONG WITH LATEST CORRIGENDUM NO.2 DT.6.11.97 AND TYRE TO SPECN. IRS-R-15-95. NOTE: THE TYRE SHALL BE TURNED ABSOLUTELY CONCENTRIC TO THE BORE OF THE WHEEL. THE WHEEL SHALL BE STAMPED AS SHOWN IN THE DRAWING.	EMU/M-0-1-004COL-I ALT-z/8	31010076	III	ICF	rem
3.10	WHEEL CENTRE AND TYRE ROUGH TURNED AND RETAINING RING AND KEY	SPECN. IRS-R-19-93 PART-V TO BE READ ALONG WITH LATEST CORRIGENDUM NO.2 DT.6.11.97 AND TYRE TO SPECN. IRS-R-15-95. NOTE: THE TYRE SHALL BE TURNED ABSOLUTELY CONCENTRIC TO THE BORE OF THE WHEEL. THE WHEEL SHALL BE STAMPED AS SHOWN IN THE DRAWING.	EMU/M-0-1-004COL-I ALT-z/8	31010362	III	ICF	rem
3.10	FINISH MACHINED COLLAR		DRG.NO.EMU/M-0-1-035, ITEM 1, ALT NULL.	31010544	III	ICF	
3.10	SEALING RING FOR AXLE BOX		EMU/M-0-2-012 ITEM-1 ALT 'c'.	31020150	III	ICF	#
3.10	AXLE BOX FRONT COVER FULLY MACHINED.		EMU/M-0-2-013 ITEM 2 ALT 'c'.	31020240	III	ICF	#
3.10	SOLID FORGED WHEEL (ROUGH TURNED) FOR EMU COACHES	SPECN IRS R-19/93 PART-II REV-3	DRG.NO-RDSO SKETCH K4004 WITH ALT-3'	31027088	III		
3.13	GUIDE BUSH FOR AXLE BOX GUIDE ARRG'T.		DRG.NO. T-0-1-634/2 ALT 'K'	30011231	II	ICF	#
3.13	HPPA BUSHES FOR BOGIE ALTERNATOR BRACKETS TO ITEM 1		DRG NO-T-0-3-813 ALT 'c'	30321359	II	ICF	
3.13	HPPA BUSHES FOR BOGIE ALTERNATOR BRACKETS TO ITEM -2.		DRG.NO-T-0-3-813, ALT 'c'	30321360	II	ICF	

3.13	BRAKE GEAR BUSHES (HIGH PERFORMANCE POLYAMIDE)		DRG.NO. T-3-2-808, ITEM-3ALT 'd'	30326710	II	ICF	#
3.13	SELF LUBRICATED POLYESTER RESIN BUSHES FOR BOGIE BRAKE.	Note: TO BE PROCURED FROM RDSO APPROVED SOURCES ONLY	DRG.NO.T-3-2-809,ITEM-4, ALT 'b'.	30327179	II	ICF	#
3.13	BUSH FOR BOLSTER SPRING SUSPENSION BRACKET.	Note: ITEM COATED WITH RUST PROOF OIL SHALL BE COVERED IN BIO-DEGRADABLEPOLYTHENE COVER AND PACKED IN WOODEN CRATES.	T-0-3-626/1ALT-'s'	30922082	III	ICF	
3.13	BUSH		DRG.EMU 34031 ITEM-1 ALT 'n'	31340210	III	ICF	
3.13	BUSH		DRG.EMU 34031 ITEM-2 ALT 'n'.	31340234	III	ICF	
3.13	BUSH		DRG.EMU 3-4-031 ITEM 3 ALT 'n'.	31340258	III	ICF	
3.13	BUSH		EMU/M-0-6-019/1 ALT 'NIL'.	31930414	III	ICF	
3.14	SCREW COUPLING ASSY (ENHANCED)	RDSO SPECN. C 9505 (REVISED)-NOV 1996.	DRG.NO.ICF/STD-2-2-009 ALT 'f'	30236095	II	ICF	#
3.14	INTER VEHICLE COUPLER PLUG TYPE 'E'		DRG. NO. ICF/SK 75054-COL-1 ALT 'j'	31756396	III	ICF	
3.15	DRAW GEAR GENERAL ARRANGEMENT AND THE DRAFT KEY COTTER TO BE TIED UP WITHA WIRE ROPE WITH DRAFT KEY.	RDSO SPECN.C-9509 REVISION 02.	DRG.NO.ICF/SK-2 1-011, COL.III, ALT 'y'	30216230	I	ICF	
3.17	SIDE BUFFER FIXING BOLT, NUT & WASHER TO ITEM 12 =16NOS,ITEM.14 =16NOS AND ITEM.15 =16NOS.		DRG.NO.ICF/STD-2-2-009 ALT 'f'	30220300	III	ICF	

3.17	SIDE BUFFER ARRANGEMENT WITH FACE PLATE RIVETTED.	Note: FOR PACKING CONDITION REFER TO DRG.NO.ICF/J&T/SK-1714.	DRG.NO.ICF/STD-2-2-009/COL.1 EXCEPT ITEMS-12,14 & 15,ALT 'f'.	30220324	III	ICF	
3.19	LATERAL RUBBER STOP FOR AIR SPRING SUSPENSION		DMU/DPC5-0-5-502/1 ALT 'b'.	30051370	III	ICF	
3.19	DESIGN, MANUFACTURE AND SUPPLY OF HIGH TENSILE AAR 'H' TYPE TIGHTLOCK CENTER BUFFER COUPLER AND ITS ASSOCIATED COMPONENTS FOR FITMENT ON BROAD GAUGE PASSENGER COACHES OF INDIAN RAILWAYS COUPLER MOUNTING ARRGT. ON UNDERFRAME	RDSO SPECN STR.NO. C.K.009 (REV.02) Note: COUPLER MOUNTING ARRGT. ON UNDER FRAME	ICF DRG.NO.LWGFAC-2-1-001 ALT 'a'	30217106	III		
3.19	DRAW & BUF GEAR, LEAF SPRING ITEMS, CENTRE ADJUSTMENT DEVICE AND DRAW HOOK FOR SCHAKU COUPLER	ICF/MD/SPEC.207 (REV.00). WITH AMENDMENT NO.1 Note: SCOPE OF SUPPLY SHALL BE AS PER CLAUSE 2.0 (4 & 5) OF PART-B OF ICF/MD/SPEC.207 (REV.00) WITH AMENDMENT NO.1.		31930463	II	ICF	
3.20	CHANNEL (MACHINED FOR CBC COUPLER ON ICF COACHES ITEM-1=4NOS AND ITEM-2 = 4NOS.		DRG.NO-SCN7-2-1-704,ALT-'a'	31210053	III	ICF	

3.21	HIGHER CAPACITY AIR SPRING (180KN) AS PER FOUR SUCH SETS FORM ONE COACH SET. FASTENERS SHALL BE OF TVS (OR) UNBRAKO (OR) LPS MAKE ONLY. SPARE O-RINGS AND FASTENERS SHALL BE SUPPLIED AT THE RATE OF 1 (SET) FOR EACH COACH SET OF AIR SPRINGS AND PACKED SEPARATELY COACH-SET WISE.	RDSO STR NO C-K406 (REV.2) WITH AMENDMENT NO.1 AND 2 SCOPE OF SUPPLY SHALL BE AS PER CLAUSE 4.1 OF C-K406 (REV.2) WITH AMENDMENT NO.1 AND 2. PACKING AS PER DRG.NO/ICF/J AND T/SK-1718.		30057309	II	ICF	#
3.21	AIR SUSPENSION CONTROL EQUIPMENT FOR AIR SPRINGS AND SCOPE OF SUPPLY SHALL BE LIMITED TO ITEMS 1,2,3&5 (40 LITRES RESERVOIR WITH 1/2" DRAIN VALVE)	CLAUSE 4.2 OF RDSO C-K407 REV-02.	RDSO STR NO-C-K407REV-02	30354298	II	ICF	
3.21	CONTROL EQUIPMENT FOR AIR SUSPENSION SYSTEM AND INSTALLATION OF SS TUBES & DOUBLE FERULE FITTINGS SUPPLIED BY ICF FOR EMU AND DMU COACHES		MATERIAL SCHEDULE NO ICF/SK-10-2-551 ISSUE STATUS 01 REV.01.	30358176**	II	ICF	#

3.21	AIR SUSPENSION CONTROL EQUIPMENTS FOR AIR SPRINGS AS PER GIVEN UNDER CLAUSE 4.2) 150 LIT. RESERVOIR	RDSO STR NO. C-K407 (REV-2) WITHOUT HOSE CONNECTIONS (SL.NO.9 OF SCOPE OF SUPPLY	AS PER RDSO/SK CG-K4026 ALT.1 (CLAUSE 6.5.2 OF STR NO. C-K407 REV.2) 20 LIT. RESERVOIR TO RDSO/SK NO.K-1053 ALT.1 WITH COMPACT DRAIN VALVE	30358462	II	ICF	
3.21	AIR SUSPENSION CONTROL EQUIPMENTS FOR AIR SPRINGS (FOR MAINLINE STOCK) AND SCOPE OF SUPPLY SHALL BE LIMITED TO ITEMS-1,2 & 3 WITH 1/2" COMPACT DRAIN VALVE AT THE RATE OF 4 NOS PER COACH.	ITEMS-1,2 & 3 OF CLAUSE 4.2 OF C-K407 (REV.02)		30358759	II	ICF	
3.22	SHOCK ABSORBER		DRG. NO. ICF/SK-01-192 ALT.'e'	30016617	I	ICF	
3.22	DOUBLE ACTING HYDRAULIC SHOCK ABSORBER FOR VERTICAL APPLICATION AND GUARANTEE SHALL BE AS PER CLAUSE 8.	RDSO SPECIFICATION C-8703 (REV.02)		30056068	I	ICF	
3.22	DOUBLE ACTING HYDRAULIC SHOCK ABSORBERS FOR VERTICAL APPLICATION	Note: GUARANTEE SHALL BE AS PER CLAUSE 8 OF RDSO SPECIFICATION C-8703 (REV.2) SHALL BE PROCURED FROM RDSO APPROVED SOURCES.	DRG.NO. ICF/SK-05-015, ITEM-2, ALT 'p'	30056070	I	ICF	#
3.22	DOUBLE ACTING HYDRAULIC SHOCK ABSORBER FOR LATERAL APPLICATION		ICF/SK 05 016/1 ALT A	30056081	I	ICF	

3.22	DOUBLE ACTING HYDRAULIC SHOCK ABSORBER FOR LATERAL APPLICATION.	Note: GUARANTEE SHALL BE AS PER CLAUSE 8 OF RDSO/SPECIFICATION C-8703 (REV.02) TO BE PROCURED FROM RDSO APPROVED SOURCE ONLY.	DRG.NO.ICF/SK-030056925 5-016/4, ALT. 'g'	I	ICF	#
3.22	TRANSOM COMPLETE FOR AIR SPRING SUSPENSION BOGIE WITHOUT TOP FLANGE	THE REQUIREMENTS AS PER ICF/MD/SPECN.147,REV-02. WITH AMENDMENT NO.1.	DRG.NO.DC/EMU/ M/ASR-03- 003/COL.VI, ALT 'f' DRG.NO.EMU/M- 0-3-032/ITEM- 1,ALT 'g'	III	ICF	
3.22	LATERAL DAMPER FOR SECONDARY-AIR SPRING SUSPENSION ARRANGEMENT.	GUARANTEE SHALL BE AS PER CLAUSE 8 OF RDSO SPECIFICATION C-8703 (REV-2):	TO DRG NO.DC/EMU/M/A SR 0-5-005/ITEM- 1, ALT 'n'	I	ICF	#
3.22	VERTICAL DAMPER FOR SECONDARY AIR SPRING SUSPENSION ARRANGEMENT	GUARANTEE SHALL BE AS PER CLAUSE 8 OF SPECIFICATION C-8703 (REV.2):	TO DRG.NO.DMU/DP C5 0-5-503/ITEM-2 ALT 'k'	I	ICF	#
3.22	VERTICAL DAMPER FOR SECONDARY AIR SPRING SUSPENSION ARRANGEMENT	AS PER CLAUSE 8 OF SPECIFICATION C-8703 (REV.2).	TO DRG. NO.DMU/DPC5 0- 5-503/ITEM 1 ALT 'k'	I	ICF	
3.22	LATERAL DAMPER FOR SECONDARY AIR SPRING SUSPENSION ARRANGEMENT	AS PER CLAUSE 8 OF RDSO SPECIFICATION C 8703 (REV.2):	TO DRG.NO.DC/EMU/ M/ASR 0-5- 005/ITEM2 ALT 'n'	I	ICF	#
3.23	ONE SET OF BOGIE BOLSTER ARRANGEMENT FOR 13 T BOGIE CONSISTING OF 1 NO. - BOGIE BOLSTER ASSY. AND 2 NOS. OF LOWER SPRING BEAM ASSY.	SPECN. ICF/MD/SPECN/094.	DRG.NO.T-04- 601. COL.IV	III	ICF	
3.24	BLOCK HANGER MODIFIED	RDSO SPECIFICATION C-9808 REV.04 WITH CORRIGENDUM NO.1.:	DRG.NO.T-32- 645, ITEM-1, ALT 'h',	II	ICF	#

3.24	HANGER		DRG NO. T-05-639, ITEM - I, ALT 'G'.	30922525	II	ICF	
3.25	BOGIE FRAME ARRANGEMENT FOR YRD4 DRIVING BOGIE (1 NO. PER SET) INCLUDING BOGIE BOLSTER ARRANGEMENTS FOR YRD4 DRIVING BOGIE (1 NO. PER SET) AND LOWER SPRING BEAM ARRANGEMENT YRD4 DRIVING BOGIE AND (2NOS. PER SET)	ICF SPECN. NO. M/D/SPECN./089	DRG NO. YRD 4-03-202/COL. I TO DRG NO. MG/T-05-060 COL. VII	30034358	III	ICF	
3.25	HANGER BLOCK FOR BOLSTER SUSPENSION.		DRG NO. T-0-5-638/ITEM-1, ALT. 'C'	30051046	III	ICF	
3.25	HANGER		T-05-63-901	30051058	III	ICF	
3.26	BRAKE BEAM FOR AIR BRAKE COACHES (MODIFIED).		DRG NO. T-3-2-650/COL. I-ALT. 'J' WITHOUT ITEM - 11	30321347	III	ICF	
3.26	BRAKE BEAM COMPLETE (WITHOUT BUSHES WHEREVER APPLICABLE).		GS7-3-2-710 COL. I, ALT 'b'	30326618	III	ICF	
3.26	BRAKE BEAM (NYLON BUSH). ANTI-CORROSION EPOXY	TO RDSO SPECN M&C/PCN/123/2006 WITH AMENDMENT NO. 1. Note: COATING SHOULD BE A RDSO APPROVED PRODUCT AND THE FIRM SHALL SUBMIT CERTIFICATE ISSUED BY M&C DIRECTORATE OF RDSO FOR CONFORMING FINISHED ITEMS SHALL BE PACKED IN WOODEN CRATES TO AVOID PAINT DAMAGE DURING TRANSIT AND MACHINED SURFACES TO BE RUST PROOF OIL COATED AND COVERED WITH BIO-DEGRADABLE PLASTIC SHEETS. ICF APPROVED SOURCES ONLY NEED TO QUOTE.	TO DRG NO. T-3-2-624/COL. IV, ALT. 'L' - WITHOUT ITEM-6	30921995	III	ICF	#

3.26	BRAKE BEAM INNER AND OUTER TO COL.1 - 4NOS.(WITHOUT NYLON BUSHES WHEREVER APPLICABLE), (WITHOUT NYLON BUSHES WHEREVER APPLICABLE).		DRG.NOS.DMU/D PCS-3-2-505, ALT 'a',	31321550	III	ICF	#
3.28	SAFETY WIRE ROPE FOR BRAKE BEAM		DRG.NO.T-3-2-651 COL.1 ALT 'j',	30321256	III	ICF	
3.29	SPECIAL SCREW FOR AXLE BOX GUIDE ARRG'T THE MANUFACTURER'S NAME/LOGO SHALL BE STAMPED ON SCREW HEAD.		DRG.NO.T-0-1-616/2 ALT 'i'	30011085	III		
3.29	HEX HEAD SCREW.	TO RDSO SPECIFICATION C-9307 (REV.2) WITH AMD-NO.1.1.	DRG.NO.T-0-2-619/ITEM-2 ALT 'i'	30020189	III	ICF	#
3.29	HEX HEAD SCREW.	RDSO SPECIFICATION C-9307 (REV.2) WITH AMENDMENT NO.1.1.	DRG. NO.T-0-2-619/ITEM-1 ALT 'i'	30020591	III	ICF	#
3.29	LOCKING PLATE FOR WHEEL AND AXLE		DRG.NO.T-0-2-819/1 ALT 'b',	30020931	III	ICF	
3.3	BRAKE CYLINDER FIXING BRACKET		TO DRG.NO.T-0-3-940 COL.1 ALT 'a'	30037104	III	ICF	
3.3	BRAKE CYLINDER FIXING BRACKET		DRG.NO.GS7-0-3-719, COL.1, ALT 'NIL',	30037177	III	ICF	
3.3	BRAKE CYLINDER FIXING BRACKET		T-0-3-807 COL.1 ALT 'C	30922161	III	ICF	
3.30	LOCKING PLATE FOR CENTER PIVOT ARRANGEMENT		DRG.NO.T-0-6-612, ITEM 1, ALT 'c',	30064193	III	ICF	
3.30	LOCKING PLATE FOR CENTRE PIVOT ARRANGEMENT (FOR CRASH WORTHY COACHES)		GS7-0-6-706/1, ALT 'NIL',	30064200	III	ICF	

3.30	LOCKING PLATE FOR ANCHOR LINK SCREWS		T-0-7-610/1 ALT.	30070442	III	ICF	
3.32	AXLE BOX HOUSING (ROUGH MACHINED)	GUARANTEE SHALL BE AS PER CLAUSE 13 RDSO OF SPECIFICATION NO.RDSO/2007/CG-08 WITH AMENDMENT SLIP NO.1. FINISH MACHINED AXLE BOX HOUSING SHALL BE GIVEN A PEELABLE PLASTIC COATING OF 25-35 MICRONS THICKNESS OVER MAIN BORE AREA (OR) MAIN BORE SHALL BE TIGHTLY CLOSED ON BOTH ENDS WITH PLASTIC COVERS TO AVOID ENTRY OF DUST AND MOISTURE EACH FINISHED MACHINED AXLE BOX HOUSING SHALL BE COVERED WITH PLASTIC THAT (THICKNESS 25 MICRONS MIN) AND PACKED PROPERLY TO AVOID DAMAGE DURING TRANSIT. ICF APPROVED SOURCES ONLY NEED TO QUOTE.	DRG NO.T-0-2-602/ITEM-3,ALT 'u'	30020414	III	ICF	
3.32	AXLE BOX HOUSING (FINISH MACHINED)	GUARANTEE SHALL BE AS PER CLAUSE 13 OF RDSO SPECIFICATION NO.RDSO/2007/CG-08 WITH AMENDMENT SLIP NO.1. FINISH MACHINED AXLE BOX HOUSING SHALL BE GIVEN A PEELABLE PLASTIC COATING OF 25-35 MICRON THICKNESS OVER MAIN BORE AREA. (OR) MAIN BORE SHALL BE TIGHTLY CLOSED ON BOTH ENDS WITH PLASTIC COVERS TO AVOID ENTRY OR DUST & MOISTURE EACH FINISH MACHINED AXLE BOX HOUSING SHALL BE COVERED WITH PLASTIC SHEETS (THICKNESS 25 MICRONS MIN) AND PACKED PROPERLY TO AVOID DAMAGE DURING TRANSIT. TO BE PROCURED FROM ICF APPROVED SOURCES ONLY.	DRG.NO.T-0-2-602/ITEM-2 ALT 'u'	30020487	III	ICF	#
3.32	AXLE BOX HOUSING (ROUGH MACHINED)		DRG.NO. MG/T-0-2-002/ITEM-3 ALT 'm'	30024031	III	ICF	
3.32	AXLE BOX HOUSING (ROUGH MACHINED)	AS PER CLAUSE 13 OF RDSO SPECIFICATION NO.RDSO/2007/CG-08.	DRG.NO.EMU/M-0-2-002/ITEM-3 ALT 'H'	31020021	III	ICF	
3.32	AXLE BOX REAR COVER FULLY MACHINED		DRG.NO.EMU/M-0-2-004 ITEM-2 ALT 'u'	31020239	III	ICF	#
3.32	AXLE BOX HOUSING (FULLY MACHINED)	RDSO 2007/CG/08	EMU/M-0-2-002 ITEM 2 ALT H	31027064	III	ICF	

3.32	BEARING BOX.		DRG.NO.EMU 34029, ITEM-1 ALT 'u'	31340180	III	ICF	#
3.33	LOWER SPRING SEAT	MANUFACTURER'S NAME, MONTH AND YEAR OF MANUFACTURING SHALL BE PUNCHED ON THE ITEM FOR IDENTIFICATION.	DRG.NO.DL-0-1- 103.COL.II, ALT'z'	30010676	III	ICF	
3.33	LOWER RUBBER WASHER FOR AXLE BOX GUIDE ARRGT.		DRG.NO.T-0-1- 601/1/ALT'w'	30010755		ICF	
3.33	GUIDE RING (ACETAL HOMOPOLYMER) FOR AXLE BOX GUIDE ARRANGEMENT		DRG. NO.T-0-1- 640/I, ALT'b	30011255	II	ICF	#
3.33	HYTREL UPPER WASHER WITH AMENDMENT NO.2 AND HYTREL LOWER WASHER	TO SPECN.RDSO.C-K-409REV-2	DRG.NO.CG/K405 8 ALT'3	30011334	II	ICF	
3.33	COLLAR ITEM-1 - 8NOS.RETAINING RING -8 NOSRING -8 NOS.(ITEMS 1 TO 3 MAKES ONE COACH SET).		DRG.NO.T-0-2- 621 ALT'h ITEM- 1 DRG.NO.T-0-2- 629 ALT'y ITEM-1 TO DRG.NO.T-0-2- 628 ALT't'	30020724	III	ICF	
3.33	1.RING - 8NOS. 2.COLLAR - 8NOS. 3.SECURING CUP - 8NOS.SL.NOS. 1 TO 3 MAKES ONE SET AND TO BE SUPPLIED IN SETS ONLY.		RING- DRG.NO.EMU/M- 0-2-006, ITEM-1, ALT'y'- COLLAR TO DRG.NO.EMU/M- 0-2-005, ITEM-1, ALT'p, SECURING CUPDRG.NO.EMU /M-0-2-007ITEM 1, ALT'NIL'	30020934	III	ICF	

3.33	BSS BRACKET		DRAWING NO. T-0-3-622/COL-I ALT 'd'	30030160	III	ICF	
3.33	GUIDE WITH CLOSING PLATE FOR AXLE BOX GUIDE ARRANGEMENT		DRG. NO. T-0-3-670/COL-I ALT-I'	30030225	III	ICF	
3.33	ANCHOR LINK BRACKET	Note: THE FIRM SHALL SUBMIT WELDING PROCEDURE SPECIFICATION (WPS) CERTIFIED BY THIRD PARTY LIKE M/S. RITES, M/S. TUV, M/S. BVQI, M/S. LLOYDS ETC., FOR THE FIRST TIME SUPPLY, BEFORE PLACEMENT OF ORDER. THE SUBMITTED WPS SHALL BE CLEARED BY DESIGN OFFICE/ICF.	DRG. NO. T-0-3-635 COL-II ALT-I'	30030330	III	ICF	
3.33	BRAKE HANGER BRACKET - HEAD STOCK (FABRICATED DESIGN)		DRG. NO. ICF/SK-03208 COL-I ALT 'c'	30030468	III	ICF	
3.33	BOGIE FRAME COMPLETE		DRG. NO. T-03-601 COL. VII	30030500	III	ICF	
3.33	BOGIE FRAME ARRGT. (13T) WITHOUT GUIDE	RDSOSPECN C-9202 WITH AMENDMENT NO. I. SPEC ICF/MD/SPECN.147.	DRG. NO. T-0-3-804 COL-III	30030535	III	ICF	

3.33	BOGIE ITEMS CONSISTING OF (1) BRAKE HANGER BRACKET FOR BOGIE FRAME = 4NOS. (2) BRAKE HANGER BRACKET FOR BOGIE FRAME (3) LATERAL DAMPER ASSEMBLY BRACKET = 2NOS. (4) INSTALLATION LEVER BRACKET ASSY. = 2NOS. (5) STOPPER ASSEMBLY = 2NOS. (6) STOPPER ASSEMBLY = 2NOS. (7) STOPPER ASSEMBLY = 4NOS. (8) BRAKE BLOCK HANGER BRACKET (9) BRAKE BLOCK HANGER BRACKET = 2NOS (10) WIRE ROPE BRACKET = 4NOS. (11) BENT PIPE COMPLETE = 8NOS (12) WIRE ROPE BRACKET NIL = 8NOS.		DRG.NO.DC/EMU/ M-0-3-008 COL-1, ALT`g TO DRG.NO.DC/EMU/ M-0-3-008 COL-1I, ALT` `g=4NOS, DRG.N O.DC/EMU/M/ASR 0-3-002 COL- IV, DRG.NO.DMU/ DPC5 -0-3-509 COL.I, ALT`a= 2NOS. (6) DRG.NO.DMU/DP C5-0-3-509 COL.II,ALT`a`= 2NOS. (7) DRG.NO.DMU/DP C5-0-3-511 COL.I,ALT`a`= 4NOS. (8) DRG.NO.DMU/DP C5-0-3-520 COL.I, ALT`NIL`= 2NOS. (9) TO DRG.NO.DMU/DP C5-0-3-520 COL.II,ALT`NIL` = 2NOS (10) DRG.NO.AC/EMU/ M/ASR-0-3-003 COL.II,ALT`NIL`= 4NOS. (11)	30030584			
3.33	BRACKET FOR ANCHOR LINK ON BOGIE FRAME (BOLTED DESIGN)		DRG.NO.T-0-3- 680, COL.I, ALT` NIL`	30030596	III	ICF	

3.33	BOGIE FRAME COMPLETE (WITH GUIDE)	RDSO SPECN C-9202 REV.02. Note 1: THE FIRM SHALL FULFIL THE REQUIREMENT AND SPECIAL CONDITION AS PER ANNEXURE. Note 2:	TO DRG.NO.T-0-3-920, COL.1, ALT-1b' AS PER ICF/MD/SPECN.147 ISSUE STATUS 01, REV.02 WITH AMENDMENT NO.1	300344358	III	ICF	#
3.33	BOGIE FRAME COMPLETE WITH ROLLED SECTION (WITHOUT GUIDE)	AND RDSO/SPEC C-9202, REV.02. AS PER ICF/MD/SPEC-147, ISSUE STATUS 01, REV.02. Note1 : THE FIRM SHALL FULFIL THE REQUIREMENT WITH AMENDMENT NO.1. SPECIAL CONDITION AS PER ANNEXURE. Note 2: ICF/APPROVED SOURCES ONLY NEED TO QUOTE.	TO DRG.NO.T-0-3-920, COL-1 ALT 1b'	30034437	III	ICF	#
3.33	GUIDE WITH CLOSING PLATE FOR AXLE BOX GUIDE ARRANGEMENT	Note: GUIDES SHALL BE APPLIED WITH RUST PREVENTIVE OIL ON THE MACHINED SURFACES AND EACH GUIDE SHALL BE COVERED WITH BIO-DEGRADABLE POLYTHENE COVER (THICKNESS 25 MICRONS MINIMUM) THE FINISH MACHINED PORTION OF THE GUIDE WITH 115MM DIA SHALL BE TIGHTLY COVERED WITH FRP/HDPE SLEEVE AND PACKED IN WOODEN CRATES HAVING 2 GUIDES IN EACH CRATE. THE SUPPLIER SHALL ENSURE THAT THE MACHINED SURFACES ARE NOT DAMAGED DURING TRANSIT.	TO DRG.NO.EMU/M-0-3-094 COL.1 ALT 1g'	30034449	III	ICF	bio
3.33	GUIDE WITH CLOSING PLATE FOR AXLE BOX GUIDE ARRGT WITH CIRCLIP	Note1 : THE FINISH MACHINED PORTION OF THE GUIDE WITH 115MM DIA SHALL BE TIGHTLY COVERED WITH FRP/HDPE SLEEVE PROTECTING THE END AND PACKED IN WOODEN CRATES HAVING 2 GUIDES IN EACH CRATE. THE SUPPLIER SHALL ENSURE THAT THE MACHINED SURFACES ARE NOT DAMAGED DURING TRANSIT. GUIDES SHALL BE APPLIED WITH RUST PROTECTIVE OIL COVERING ALL THE MACHINED SURFACES.	DRG.NO.T-0-3-670/COL-II ALT 1f'	30037116	III	ICF	#
3.33	BRACKET ASSEMBLY FOR BOGIE SUPPORT FRAME		GS7-0-3-708, COL.1, ALT 'NIL'	30037153	III	ICF	
3.33	HOUSING-STEEL CASTING FOR CENTRE PIVOT ON BOGIE BOLSTER		DRG.NO.GS7-0-4-703/I, ALT 'NIL'	30040255	III	ICF	

3.33	STEEL CASTING ROUGH MACHINED FOR CENTRE PIVOT HOUSING.	TO SPEC. IS:2074/92. Note 1 : MACHINED PORTIONS SHALL BE COATED WITH RUST PREVENTION OIL AND OTHER OUTER PORTION SHALL BE PAINTED WITH RED OXIDE ZINC CHROMATE PRIMER TO A THICKNESS OF 15-20 MICRONS. GUARANTEE- ITEM SHALL BE GUARANTEED AGAINST BLOW HOLES POROSITY OR CRACKS FOR ONE YEAR FROM THE DATE OF SUPPLY. Note 2:	DRG.NO.ICF/SK 04-4-042/ITEM.1. ALT th	30047092	III	ICF	#
3.33	BOGIE BOLSTER ARRANGEMENT 13T (WITHOUT NYLON BUSH ITEM 7)	Note1: THE FIRM SHALL FULFIL THE REQUIREMENTS "BOGIE BOLSTER WEARING PLATE INSIDE THE SIDE BEARER HOUSING SHOULD BE FREE FROM SPATTER, OILED AND COVERED CONDITION." Note 2: ITEM SHALL BE SUITABLE PACKED TO AVOID INGRESS OF WATER IN CENTRE PIVOT HOUSING AND SIDE BEARER HOUSING -BIO-DEGRADABLE PLASTIC COVERS MAY BE USED FOR CLOSING. ALL THE MACHINED AREAS SHALL BE COATED WITH GREASE (LITHIUM BASED) BEFORE PACKING. PACKING CONDITION : Note 3: ICF APPROVED SOURCES ONLY NEED TO QUOTE.	DRG.NO.T-0-4-654.COL.1. ALT th	30047109	III	ICF	#
3.33	BRACKET FOR ANCHOR LINK ON BOGIE BOLSTER (BOLTED DESIGN) FOR NON AC COACHES.		DRG.NO.T-0-4-657.COL.1. ALT th	30047134	III	ICF	
3.33	BRACKET FOR ANCHOR LINK ON BOGIE BOLSTER (BOLTED DESIGN)FOR AC COACHES.		T-0-4-657, COL.11ALT th	30047146	III	ICF	
3.33	UPPER RUBBER WASHER FOR BOGIE BOLSTER SUSPENSION	Note1 : GUIDES SHALL BE APPLIED WITH RUST PREVENTIVE OIL ON THE MACHINED SURFACES AND EACH GUIDE SHALL BE COVERED WITH BIO-DEGRADABLE POLYTHENE COVER (THICKNESS 25 MICRONS MINIMUM) THE FINISH MACHINED PORTION OF THE GUIDE WITH 115MM DIA SHALL BE TIGHTLY COVERED WITH FRP/HDPE SLEEVE AND PACKED IN WOODEN CRATES HAVING 2 GUIDES IN EACH CRATE. THE SUPPLIER SHALL ENSURE THAT THE MACHINED SURFACES ARE NOT DAMAGED DURING TRANSIT. Note 2:	T-0-618 /1 ALT ^P	30050807	II	ICF	bio, #
3.33	WEARING PIECE FOR SIDE BEARER		DRG. NO. T0-5-649/1. ALT th	30051149	III	ICF	#

3.33	UPPER RUBBER WASHER FOR BOGIE BOLSTER SUSPENSION		DRG.NO.T-0-5-618/ALT 'p'	30051277	II	ICF	#
3.33	LOWER SPRING BEAM ARRANGEMENT	ICF/MD/SPECN.094 REV.00 WITH AMENDMENT NO.1. Note1 : THE FIRM SHALL FULFIL THE REQUIREMENTS. FINISHED ITEMS SHALL BE PACKED IN WOODEN CRATES TO AVOID PAINTDAMAGE DURING TRANSIT AND MACHINED SURFACES TO BE RUST PROOF OIL COATED AND COVERED WITH BIO DEGRADABLE PLASTIC SHEETS. THE ITEM SHOULD BE COATED WITH TWO COATS OF HIGH PERFORMANCE ANTI CORROSIONS EPOXY COATING (TWO PACKS) GREEN FINISHING . Note 2: TO BE PROCURED FROM ICF APPROVED SOURCES ONLY	DRG.NO.T-0-5-667/COL.1 ALT -'j'	30054205	III		
3.33	BOGIE ITEM CONSISTING OF (1) TOP FLANGE FOR L.S.BEAM =2NOS. (2) BOTTOM FLANGE FOR L.S.BEAM =2NOS. (3) RIB =6NOS.(4) LUG =4NOS. (5) LUG =12NOS.	Note: THE ITEMS SHALL BE PACKED SETWISE FIRST IN BIO-DEGRADABLE POLYTHENE COVERS AND THEN IN WOODEN CRATES.	DRG.NO.T-0-5-644/ITEM-1,ALT 'f' DRG.NO.T-0-5-606 ITEM-1,ALT 'h' DRG.NO.T-0-5-611 ITEM-1, ALT 'm' DRG.NO.DC/EMU/ M-0-5-005 ITEM-14, ALT 'n' TO DRG.NO.T-0-5-645/ITEM-1,ALT 'p'	30057267	III		bio, #
3.33	BRACKET FOR L.S.BEAM - 4NOS. (WITHOUT ITEM-3), COL.II -4NOS. (WITHOUT ITEM-3) AND L.S.BEAM STOPPER - 24NOS. (ALL THE ITEMS MAKE ONE COACH SET AND TO BE SUPPLIED AS COACH SET ONLY)	Note: MANUFACTURER NAME & YEAR TO BE STAMPED IN EACH ITEM.	DRG.NO.T-0-5-666 ALT 'e' COL.I DRG.NO.T-0-5-672/2 ALT 'NIL'	30057280	III	ICF	

3.33	BRACKET FOR L.S BEAM - 2NOS. (WITHOUT ITEM 13) ALT 'd' -2NOS. -12 NOS. & -4 NOS.	Note: ITEM SHALL BE PACKED SET WISE, FIRST IN BIO-DEGRADABLE POLYTHENE COVERS AND THEN IN WOODEN CRATES.	DRG.NO.WLRM-0-5-005/COL.II (WITHOUT ITEM 13) ALT 'd' WLRM-0-5-005/COL.III WLRM-0-5-007/2 ALT 'NIL'	30057292	III	ICF	
3.33	BOGIE SUPPORT FRAME		DRG.NO.GS7-0-5-702, COL.I, ALT 'a'. T-0-5-672/2 ALT. NIL	30057310	III	ICF	
3.33	BOGIE SUPPORT FRAME FOR BOLSTER & SUSPENSION ARRANGEMENT FOR CRASHWORTHYCOACHES ' WITHOUT BUSHES WHEREVER APPLICABLE.		DRG.NO.GS7-0-5-702, COL.II, ALT 'a	30057322	III	ICF	
3.33	CENTRE PIVOT PIN -INO AND COTTER FOR CENTRE PIVOT PIN -1 NO.	Note: TEST CERTIFICATE FOR NORMALISING AS PER DRAWING SHALL BE SUBMITTED WITH EACH LOT. ONE NUMBER PER ORDER MAY BE DESTRUCTIVE TESTED AT ICF TO ASCERTAIN GRAIN FLOW AND GRAIN SIZE. EACH SET SHALL BE COVERED WITH PLASTIC SHEET (25 MICRONS THICKNESS MINIMUM) AND PACKED IN WOODEN CRATE/(MAX 2 SET PER CRATE).	DRG.NO.T-0-6-602/1, ALT 'A' DRG.NO.T-0-6-604/1 ALT 'P'	30060450	III	ICF	
3.33	HEX HEAD BOLT COMPLETE FOR CENTRE PIVOT ARRGT.	Note: ITEMS COATED WITH RUST PREVENTIVE OIL SHALL BE COVERED IN BIO-DEGRADABLE POLYTHENE COVER BOLT SHALL BE OF MAKE TVS OR UNBRAKO OR LPSONLY. Note 2: TO BE PROCURED FROM ICF APPROVED SOUR	DRG.NO.T-0-6-614/COL.IALT 'd'	30060606	III	ICF	#
3.33	CENTRE PIVOT PIN COMPLETE (SINGLE PIECE DESIGN)		DRG.NO.ICF/SK3-0-6-001/COL.I ALT 'a'	30067042	III	ICF	#
3.33	ADJUSTER (STEEL CASTING)		DRG. T-3-1-804/I ALT. 'f.	30310441	III	ICF	#

3.33	LEVER HANGER.		DRG.NO.GS7-3-2-709/I, ALT 'NIL'	30326655	III	ICF	
3.33	BOGIE FRAME COMPLETE (WITH GUIDE)		DRG.NO.T-0-3-920, COL.I,ALT-'h'	30921594	III	ICF	
3.33	BEARING	RDSO SPECN C-9202 REV.02.	DRG.NO.T-0-5-642 ITEM-1, ALT.'x'	30922008	III	ICF	
3.33	ADJUSTER (FABRICATED DESIGN)		DRG.NO.T-3-I-807,ITEM-1,ALT-'g'	30922045	III	ICF	
3.33	BELT TENSIONING BRACKET.	Note: ITEM COATED WITH RUST PREVENTIVE OIL, SHALL BE COVERED WITH BIO-DEGRADABLEPOLYTHENE COVER AND PACKED IN WOODEN CRATES.	DRG.NO.T-0-3-678/COL.II, ALT' g'	30922150	III	ICF	bio
3.33	SPIGOT HOUSING (ITEM.1 SHOULD BESUPPLIED IN LOOSE CONDITION). THE MANUFACTURERS NAME, MONTH AND YEAR OFMANUFACTURE SHALL BE PUNCHED ON THE ITEM FOR IDENTIFICATION.		DRG.NO.ICF/SK-04-099 COL.I, ALT'c'	30922665	III	ICF	
3.33	UPPER RUBBER WASHER FOR AXLE BOX GUIDE ARRG.T.		DRG.NO.EMU-0-1-005ALT' p'	31010131	II	ICF	
3.33	LOWER RUBBER WASHER FOR AXLE BOX GUIDE ARRG.T.		DRG.NO.EMU/M-0-1-008/I, ALT's'	31010246	II	ICF	#

3.33	LOWER SPRING SEAT FORGED TO SUIT THE MACHINED COMPONENT		DRG. NO. ICF/J&T/ SK/FORGE-0-1-219/1, ALT 'b' .PACKING CONDITION AS PER DRG. NO. ICF/J&T/ SK-1766 ALT 'NIL'	31010532	III	ICF	
3.33	LOWER SPRING SEAT (FORGED) TO SUIT THE MACHINED COMPONENT		TO DRG. NO. T-0-1-642/1, ALT 'c'. PACKING CONDITION AS PER DRG. NO. ICF/J&T/ SK-1766.	31010581	III	ICF	
3.33	GUIDE BUSH FOR AXLE BOX GUIDE ARRG		DRG. NO. EMU/M-0-1-023/2 ALT 'c'.	31016030	I	ICF	
3.33	LOWER SPRING BEAM & VERTICAL BRACKET ASSEMBLY	ICF/MD/SPECN. 094, ISSUE STATUS 01, REV. 00. Note 1: THE FIRM SHALL FULFIL THE REQUIREMENTS QAP SHALL BE SUBMITTED FOR APPROVAL OF ICF. Note 2: TO BE PROCURED FROM ICF APPROVED SOURCES.	DRG. NO. DMU/DPC10-0-3-010/COL.1, ALT 'NIL' AND GENERALLY CONFORMING	31036065	III	ICF	#
3.33	HEADSTOCK COMPLETE FOR BOGIE FRAME	THE FIRM SHALL FULFIL THE REQUIREMENTS AS PER ICF/MD/SPECN. 147, REV.-02 WITH AMENDMENT NO.01. ICF APPROVED SOURCES ONLY NEED TO QUOTE.	DRG. NO. EMU/M/0-3-004 COL.1, ALT 'h'	31036089	III	ICF	#
3.33	BOGIE FRAME	RDSO/SPECN. C-9202 REV.-02. Note1: THE FIRM SHALL FULFIL THE REQUIREMENT AS PER ICF/MD/SPECN. 147 ISSUE STATUS 01, REV.02. Note2: QAP SHALL BE SUBMITTED FOR APPROVAL OF ICF. SPECIAL CONDITION AS PER ANNEXURE.	DRG. NO. ICF/MRV C/M-0-3-001/COL.1 ALT 'a' (WITHOUT NYLON BUSHES WHERE EVER APPLICABLE)	31036090	III	ICF	#

3.33	EMU GUIDE (FORGED) TO SUIT THE FINISH MACHINED COMPONENT		DRG. NO. ICF/J&T/ SK/FORGE-0-3- 201, ALT 'b' DRG. NO. EMU/M- 0-3-094/1, ALT "b" AND TO DRG. NO. T-0-3- 670/1 ALT 'Y' AND T-0-3-670/2 ALT 'Y'.	31036107	III	ICF	
3.33	BOGIE FRAME (WITHOUT NYLON BUSHES WHERE EVER APPLICABLE)		ICF/MRV/C/D-0-3- 001/COL.1 ALT 'a'	31036119	III	ICF	
3.33	BOGIE BOLSTER ARRGT.	RDSO SPECN C-9202, REV-02. RDSO SPECN C-9202 REV.02. Note1: THE FIRM SHALL FULFIL THE REQUIREMENTS, STATUS:01 WITH AMD NO:01. ITEM SHALL BE SUITABLY PACKED TO AVOID INGRESS OF WATER IN CENTER PIVOT HOUSING AND SPIGOT HOUSING THREADED AIR CONNECTION AT BOLSTER END SHALL BE CLOSED BIO-DEGRADABLE PLASTIC/WOODEN COVERS MAY BE USED FOR CLOSING ALL MACHINED AREAS SHALL BE COATED WITH GREASE (LITHIUM BASED) BEFORE PACKING.	TO DRG. NO. ICF/MRV C/M-0-4- 001/COL.1, ALT 'f' AS PER ICF/MD/SPECN.14 7 (REV.02) PACKING CONDITION AS PER DRG. NO. ICF/J&T/ SK-2047.	31040081	III	ICF	Bio, #
3.33	WEARING PIECE FOR SIDE BEARER ON BOLSTER SUSPENSION BRONZE.		DRG. NO. EMU/M/0- 5-010/1 ALT 'K'.	31050130	III	ICF	#
3.33	RUBBING PLATE FOR BOLSTER SUSPENSION.		DRG. NO. EMU/M/0- 5-010/1 ALT 'K'.	31050220	III	ICF	#
3.33	RUBBING PAD FOR BOGIE BOLSTER		TO DRG. NO. DMU/DP C5-0-5-507/1 ALT. NIL/2.	31050608	III	ICF	
3.33	LINER FOR BOGIE FRAME(MANGENESE STEEL)		ICF/SK/0-5-169/1 ALT 'a'.	31056106	III	ICF	

3.33	BOTTOM BUSH.	Note: THE MANUFACTURERS NAME MONTH AND YEAR OF MANUFACTURER SHALL BE STAMPED ON THE ITEM FOR IDENTIFICATION	EMU/M-0-6-005/I, ALT 'K'	31060020	III	ICF	
3.33	TOP BUSH	Note: THE MANUFACTURERS NAME AND YEAR OF MANUFACTURER SHALL BE STAMPED ON THE ITEM FOR IDENTIFICATION.	EMU/M-0-6-005/I, ALT 'K'	31060031	III	ICF	
3.33	HEX HEAD BOLT COMPLETE FOR CENTRE PIVOT ARRGT.	Note: ITEMS COATED WITH RUST PREVENTIVE OIL SHALL BE COVERED IN BIO-DEGRADABLE POLYTHENE COVER BOLT SHALL BE OF MAKE TVS OR UNBRAKO OR LPSONLY.	EMU/M-0-6-014/COL.I ALT 'P'	31060122	III	ICF	#
3.33	CENTRE PIVOT PIN COMPLETE	Note: ITEMS SHALL BE COVERED WITH PLASTIC SHEET (25 MICRONS THICKNESS MINIMUM) AND PACKED IN WOODEN CRATE. (MAX TWO NUMBERS PER CRATE).	EMU/M-0-6-002/COL.III. ALT 'V'	31060134	III	ICF	#
3.33	CENTRE PIVOT PIN COMPLETE		EMU/M-0-6-015/COL.I,ALT-'NIL'	31060146	III	ICF	
3.33	SLEEVE COMPLETE FOR C.P.PIN		T-0-6-603 COL.II,ALT 'h'	31060158	III	ICF	
3.33	CHANNEL (MACHINED FOR CBC COUPLER ON ICF COACHES ITEM-1=4NOS AND ITEM-2= 4NOS.		DRG NO-SCN/2-1-704,ALT-'g'	31210053	III	ICF	
3.33	CENTER PIVOT PIN		EMU/M-0-6/002/5	31930372	III	ICF	
3.33	CENTER PIVOT PIN		EMU/M-0-6-002/6	31930384	III	ICF	
3.35	1.STOP =2NOS, 2. BRACKET FOR EQUALISINGSTAY =2NOS (EXCEPT ITEM 5) 3. SIDE BEARER HOUSING =2NOS. SL.NOS. 1 TO 3 MAKES ONE SET		DRG.NO.T-0-4-631 COL.I ALT 'g' DRG.NO.WLRRM-0-4-002 COL.III. ALT 'A'	30047122	III	ICF	

3.35	EQUALISING STAY WITHOUT ITEMS 5 AND 6 (NYLON BUSH)	RDSO SPECN:M&C/PCN/123/2006 WITH AMENDMENT NO.1. Note: FINISHED ITEMS SHALL BE PACKED IN WOODEN CRATES TO AVOID PAINT DAMAGE DURING TRANSIT AND MACHINED SURFACES TO BE RUST PROOF OIL COATED AND COVERED WITH BIO DEGRADABLE PLASTIC SHEETS. THE ITEM SHOULD BE COATED WITH TWO COATS OF HIGH PERFORMANCE ANTI CORROSIONS EPOXY COATING (TWO PACKS) GREEN FINISHING	DRG.NO ICF/SK-05-132/COL.I ALT 'v'	30056860	III	ICF	bio
3.4	NON ASBESTOS BASED "K" TYPE HIGH FRICTION COMPOSITION BRAKE BLOCKS	RDSO/SK 98066 ALT.6 & RDSO SPECN:NO.C-9809, REV.04.		30316121	II	ICF	#
3.4	BRAKE HEAD (FABRICATED DESIGN).		DRG.NO.T-3-I-806 COL.III-INO.&COL.IV-INO,ALT'e.	30317149	III	ICF	
3.4	CHAIN FOR HAND BRAKE ARRANGEMENT		DRG. NO. ICF/SK-3-3-078 COL.III, ALT'c.	30337288	III	ICF	
3.4	BRAKE HEAD - (FABRICATED)		DRG.NO.EMU/M-3-1-008 COL-I, ALT'w	31930517	III	ICF	
3.7	INJECTION MOULDED SILENT BLOCK FOR CENTRE PIVOT FOR BG MAIN LINE COACHES	RDSO SPECN,RDSO/2007/CG-06	RDSO DRG.NO.CG-K7121 ALT'NIL.	30060540	II	ICF	#
3.7	SILENT BLOCK FOR CENTER PIVOT "QUANTITY SHALL BE(ONE) EACH INSTED OF 2(TWO) EACH	DRG.NO.CG-K6049, ALT. 1.		30067133	II	ICF	
3.7	SILENT BLOCK FOR ANCHOR LINK (INJECTION MOULDED)	RDSO SPECN,RDSO/2006/CG-15	TYPE-A OF RDSO DRG.NO.CG-K6124,ALT'3'.	30070340	II	ICF	#
3.7	BOLTED DESIGN SILENT BLOCK (INJECTION MOULDED)FOR ANCHOR LINK TYPE-B.	RDSO SPECNRDSO/2006/CG-15.	RDSO DRG.NO.CG-K6124 ALT'3'	30076134	II	ICF	#

3.7	ANCHOR LINK		DRG.NO.T-0-7-603, COL.I, ALT '2.	31076014	III	ICF	
3.8	WHEEL FOR HAND BRAKE		DRG.NO. MG/TLR 3-4-002/COL.II, ALT 'f	30344001	III	ICF	
3.8	HAND BRAKE ARRANGEMENT		DRG.NO.ICF/SK-3-4-062, COL.I, ALT 'a.	30344025	III	ICF	
3.8	SUPPLY OF STAINLESS STEEL PIPES AND DOUBLE FERRULE FITTINGS FORGS,SCN,SDC & WCB COACHES.	ICF/SK-10-2-507 ISSUE STATUS 01 REV 1		30358553	III	ICF	
3.8	SUPPLY OF STAINLESS STEEL PIPES AND DOUBLE FERRULE FITTINGS FOR SCN COACHES	SPECIFICATION ICF/MD/SPECN-166 ISSUE STATUS-01, REV.03 WITHAMENDMENT-03 AND TO SCHEDULE NO.ICF/SK-10-2-505, ISSUE STATUS-01, REV.00.		30358565	III	ICF	
3.8	SUPPLY OF STAINLESS STEEL PIPES AND DOUBLE FERRULE FITTINGS FOR WGSWCAC, WGSZCZAC & WGFSCWAC COACHES	SPECIFICATION ICF/MD/SPEC-166 ISSUESTATUS-01,REV.03 WITH AMENDMENT NO-03 AND MATERIAL SCHEDULE NO.ICF/SK-10-2-508 REV-01, WITH C-S-NO-01.		30358577	III	ICF	
3.8	SUPPLY OF STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS FOR AC(WGSWCAC, WGSZCZAC,WGFSCWAC AND WGFAC) AND NON-AC GS SDC,SCN, WCB,SLR & SRD) COACHES	MATERIAL SCHEDULE NO -ICF/SK-10-2-507,ISSUE STATUS 01, REV.03 CS.01 READ ALONG WITH SPEC.NO.ICF/MD/SPEC 166, ISSUE STATUS 01, REV.03 WITH AMD NO.03.		30358589	III	ICF	
3.8	SUPPLY OF STAINLESS STEEL TUBES AND DOUBLE FERRULE FITTINGS FOR UNCOMMON ITEMS FOR SLR COACHES	TO SPECIFICATION ICF/MD/SPEC -166 ISSUE STATUS 01 REV.03 WITH AMD NO.03 AND MATERIAL SCHEDULE NO.ICF/SK-10-2-506 ISSUE STATUS-01, REV NO.02 C.S.01 & 02.		30358590	III	ICF	

3.8	SUPPLY OF STAINLESS STEEL TUBES & DOUBLE FERRULE FITTINGS FOR HHP-DMU/DPC COACHES	MATERIAL SCHEDULE NO.ICF/SK/10-2-447 ISSUE STATUS 01.	DRG.NO.DMU/DP C7-3-5-701	31357453	III	ICF	
3.8	SUPPLY OF STAINLESS TUBES AND DOUBLE FERRULE FITTINGS FOR MRVC-C COACHES SCHEMATIC READ ALONG WITH (LATEST REV/AMENDMENT)	MATERIAL SCHEDULE NO.ICF/SK/10-2-518 ISSUE STATUS 01 REV.01 AND WITH C.S. NO.03.	DRG.NO.ICF/MRV C/C-3-5-001 ALT- "b"	31357570	III		
3.8	SUPPLY OF STAINLESS TUBES AND DOUBLE FERRULE FITTINGS FOR MRVC/D/HC COACHES TO SCHEMATIC READ ALONG WITH ICF/MD/SPECN-166 ISSUE STATUS 01, LATEST REV/AMENDMENT.	MATERIAL SCHEDULE NO.ICF/SK/10-2-523 ISSUE STATUS 01 REV.01 WITH C.S.NO.03.	DRG.NO.ICF/MRV C/D/HC 3-5-001 ALT-"c"	31357581	III	ICF	
3.8	SUPPLY OF STAINLESS TUBES AND DOUBLE FERRULE FITTINGS FOR MRVC MOTOR COACHES. SCHEMATIC READ LONG.	MATERIAL SCHEDULE NO.ICF/SK/10-2-521 ISSUE STATUS 01 REV.02. WITH C.S.NO.03.	DRG.NO. ICF/MRVCM 3-5- 001 ALT "b"	31357593	III	ICF	
3.8	SUPPLY OF STAINLESS TUBES AND DOUBLE FERRULE FITTINGS FOR MRVC/D COACHES SCHEMATIC READ ALONG WITH LATEST/REV/AMENDMENT.	MATERIAL SCHEDULE NO.ICF/SK/10-2-522 ISSUE STATUS 01 REV.01 WITH C.S. NO.04 ICF/MD/SPEC-166 ISSUE STATUS 01.	DRG.NO. ICF/MRVCD 3-5- 001 ALT "c"	31357600	III		
3.8	SUPPLY OF SS TUBES AND DOUBLE FERRULE FITTINGS FOR PNEUMATIC CONTROLEQUIPMENT (CDTS) FOR DMU/TC, AC & NON AC COACHES	SCHEDULE NO.ICF/SK/10-2-553 ISSUE STATUS 01, REV.00 CORRECTION SLIP-01.		31357787	III	ICF	
3.9	SLACK ADJUSTER TYPE IRSA 450	RDSO SPECN.07-ABR-92	DRG. NO.T-3-3- 711/1 ALT.m'	30331043	II	ICF	

1.1	SA-9 IND BRAKE VALVE							
1.1	MU-2B VALVE							
1.1	HS-4 CONTROL AIR VALVE ASSLY.	TPL DRG NO. 0411 DRG NO. SK. NO.-0598	11360021 11360033 11360045	II II II	DLW DLW DLW			
1.1	F-1 SELECTOR VALVE		11360057	II	DLW			
1.1	HB-5 RELAY AIR VALVE		11360100	II	DLW			
1.1	A-1 DIFF. PILOT AIR VALVE		11360148	II	DLW			
1.1	VA-1B CONTROL AIR VALVE		11360150	II				
1.1	VA-1 RELEASE VALVE	DRG NO. TPL-0425 DRG NO TPL-0180	11360161 11360392	II II	DLW DLW			
1.1	RESERVOIR ASSEMBLY 180 CU INCH.(3 LITRE)(TYPE-1)							
1.1	RESERVOIR 110 CU INCH.(2 LITRE)	DRG NO. TPL - 1136 RG NO. SK 0127	11360409 11371857	II I	DLW DLW			
1.1	RESERVOIR 435 CU INCH (7 LITRES)							
1.1	FLAP TYPE CHECK VALVE-2"	DRG NO. SK NO. 0594	11377628	II	DLW			
1.1	J-1 SAFETY VALVE SET AT 10.5+/-0.1 KG/CM.SQ.		11390037	II	DLW			
1.1	DOUBLE CHECK VALVE 24-A.3/8"	DRG NO. 0307	11390153	II	DLW			
1.1	CUT OUT COCK BALL TYPE-3/8" WITHOUT VENT	DRG NO.-0759	11397020	II	DLW			
1.1	CUT OUT COCK BALL TYPE-3/8" WITH 1/8" VENT		11397032	II	DLW			
1.1	CUT OUT COCK BALL TYPE-1" WITHOUT VENT.		11397081	II	DLW			
1.1	CUT OUT COCK BALL TYPE-2" WITH HANDLE SEALING IN OPEN POSITION.		11397135	II				
1.1	FELT PROTECTED CHOKE DRG.NO.SK.NO.-0304	DRG.NO.SK.NO.-0304	11440326	II	DLW			
1.1	VAC.BRAKE PIPE CONTROL GAUGE 4" SELF ILLUMINATED WITH LED	DRG NO. SK. NO.-2064	11445531	II	DLW			

1.1	A-9 AUTO BRAKE VALVE MODIFIED			11452780	II	DLW	
1.1	C-2W RELAY VALVE 6 m.m. MODIFIED (FOR OVER CHARGE)			11452810	II	DLW	
1.1	4-LITRE RESERVOIR WITH FOUR PORT OF 3/8" NPT (TWO PORT DUMMY) 1 PORT PLUGGED SIMILAR		SIL DRG. NO. 29093121 / SWIL PART No. 780057400.	11452821	II	DLW	
1.1	AIR FILTER (BOTH END STRAIGHT) WITH 3/8" NPT. SIMILAR	SWIL PART NO. 709011000.	SIL DRG. NO. 29093921 / SWIL PART NO. 709011000.	11452833	II	DLW	
1.1	O 5 MM DIA. CHOKE WITH FELT FILTER WITH 3/8" NPT. SIMILAR		SIL DRG. NO. 29093221 / SWIL PART NO. 725151000.	11452845	I	DLW	
1.1	ROTEX MAGNET VALVE (NORMALLY OPEN)	MATL. SPECN. AS PER SIMILAR TO ROTEX DRG. MAKE MODEL SR-3055		11454052	I	DLW	
1.1	DANFOSS PRESSURE SWITCH RT-116 SB. SET AT DROP OUT 3.5 & PICK UP AT 4 KG./CM SQ.	MATL. SPECN. & DRG. AS PER INDFOS MAKE MODEL RT-116	MATL. SPECN. & DRG. AS PER INDFOS MAKE MODEL RT-116	11456516	II	DLW	
1.1	TWO WAY MAGNET VALVE (NORMALLY CLOSED) ROTEX MODEL SR-3164.	AS PER ROTEX DRG. MODEL SR-3164		11457156	I	DLW	
1.1	C-2 W RELAY VALVE		DRG. NO. SK. No. 22 93	11457170	II	DLW	
1.1	AIR FILTER "B" GD-80E WITH PAPER FILTER			11457405	II	DLW	
1.1	AIR FILTER HOUSING GD-80D (FOR PAPER FILTER ELEMENT)		DRG. NO. TPL- 5919	11457508	II	DLW	

1.1	RELAY VALVE TYPE R-6/SDW-1		BASED ON S.D. TECH.DRG.No -SD.9005/00D" & SIMILER TO SWIL PT.No.534001000.	11458392	II	DLW	
1.1	PRESSURE SWITCH (PCS1) ELECTRICAL CONTACT CLOSED AT 6.5+/-0.1 KG/CMSQ.,OPEN AT 7.5+/-0.1 KG/CMSQ. -	MATL.SPECN.AS PER MAKE MODEL INDFO5-RT-116X		11459827	II	DLW	
1.1	PRESSURE SWITCH (PCS2) ELECTRICAL CONTACT CLOSED AT 4.0 KG/CMSQ.,OPEN AT 2.8 KG/CMSQ.	MATL.SPECN.AS PER MAKE MODEL INDFO5-RT-116X		11459839	II	DLW	
1.1	DISTRIBUTION VALVE C-3W WITH CR			11487513	II	DLW	
1.1	D-1 EMERGENCY BRAKE VALVE		DRG NO. - 11664733	11487525	II	DLW	
1.1	N-1 REDUCING VALVE SET AT 2.5 KG./CMSQ.			11663250	II	DLW	
1.1	KIT FOR 28LAV-1 PANEL MOUNTED BRAKE SYSTEM (WITH COMPACT TYPE PANEL)		SK.NO-2314	11663704	II	DLW	
1.1	KIT FOR IRAB-1 PANEL MOUNTED BRAKE SYSTEM (WITH COMPACT TYPE PANEL)			11664733	II	DLW	
1.10	VIGILANCE CONTROL DEVICE DEL/SPN/213			12202344	I	DLW	
1.1	KIT FOR COMPUTER CONTROLLED BRAKE SYSTEM TO PART NO. 17454098.	RDSO SPEC. NO. MP-0.01.00.20	DRAWING NO K- 1745035	17454098	II	DLW	

1.1	KIT FOR COMPUTER CONTROLLED BRAKE SYSTEM	RDSO SPEC. NO. MP.0.01.00.24	DRAWING NO. AND PART NO 17455674	17455674	II	DLW	
1.11	RELEASE & RUN MAGNET VALVE NORMALLY CLOSED TYPE WITH CHOKE SR-3282-25-5B 72V DC.			11663492	II	DLW	
1.12	PRESSURE SWITCH (P-2) ELECTRICAL CONTACT CLOSED AT 4.4 KG/CMSQ., OPEN AT 4.7 KG/CMSQ.	MATL.SPECN AS PER MAKE MODEL INDFOS RT-116 SB X-CNA.		11459803	I	DLW	
1.12	PRESSURE SWITCH (P-1) ELECTRICAL CONTACT CLOSED AT 4.5 KG/CMSQ., OPEN AT 4.8KG/CMSQ.	MATL.SPECN AS PER MAKE MODEL INDFOS-RT-116 SB X-CNA.		11459815	I	DLW	
1.13	MAIN RESERVOIR ASSLY-350 LTRS/ MR-II (R.H.)			11374032	II	DLW	
1.13	MAIN RESERVOIR ASSLY-350 LTRS/ MR-I (L.H.)			11377860	II	DLW	
1.13	AIR RESERVOIR ASSLY-350 LITRES.			11663522	II	DLW	
1.13	AIR RESERVOIR		DRG NO 40054147	17450986	II	DLW	
1.13	AIR START RESERVOIR		DRG NO. 40175322	17456228	II	DLW	
1.14	TWIN TOWER HEATLESS REGENERATING AIR DRYER	RDSO SPECIFICATION NO. MP.0.01.00.06, REV.-0.05, MARCH 2011		11810725	I	DLW	
1.15	Axle (Rough machined)for WDG3A & WDM3D locomotives	IRS R 43-92 with Corrigendum 1	DLW drg. no. TPL-5868	11231622	I	DLW	
1.15	Axle rough for WDG-4 & WDP-4 locomotives	EMS-804	DLW drg. no. 40077315	17230019	I	DLW	
1.15	Axle Rough for WDG5 locomotive	IRS R 43-92 with Corrigendum 1	DLW Drg. no. 40173937	17230330	I	DLW	

1.16	AXLE BOX ASSLY WITH BEARING COMPONENTS FOR HIGH SPEED OPERATION (BG)COMPLETE KIT-12 AXLE BOXES.			11022693	I	DLW	
1.16	AXLE BOX ASSEMBLY KIT CONTAINING 12NOS. AXLE BOXES WITH ROLLER BEARING & COMPONENTS			11029730	I	DLW	
1.16	AXLE BOX ASSLY (WITH CRU BEARING AND COMPONENTS) COMPLETE KIT-12 AXLE BOXES			11520255	I	DLW	
1.16	AXLE BOX ASSEMBLY KIT(CONTAINING 12 NOS AXLE BOXES) WITH BEARING AND COMPONENTS FOR ONE LOCO SET			11520346	I	DLW	
1.17	AXLE BOX GUIDE LINK FOR WDP3A			11026674	I	DLW	
1.18	SANDWICH MOUNTING (BG)		DRG. NO. TPL-0397	11270019	I	DLW	
1.19	BRAKE PULL ROD SAFETY BRACKET		DRG NO. SKVL 326.327.023.023A, SKDL-4199, 4200	11811780	II	DLW	
1.20	BRAKE SHOE KEY	MP-1412/88	DRG. NO. TPL-0026	11230083	II	DLW	
1.2	AIR FLOW MEASURING VALVE			11485085	II	DLW	
1.20	BRAKE SHOE KEY	MP-1412/88	DRG. NO. 9501303	17453227	II	DLW	
1.21	BUSH TO DRG. NO. TPL-6471, ID- 70 mm, OD- 80 mm ,L-80mm		TPL-6471 (item -1)	11168079	II	DLW	
1.21	BUSH TO DRG. NO. TPL-6471, ID- 65 mm, OD- 75 mm,L-20mm		TPL-6471 (item -2)	11168080	II	DLW	

1.21	BUSH TO DRG. NO. TPL-6471 , ID- 65mm , OD- 75 mm , L-32mm		TPL-6471 (item -3)	11168092	II	DLW	
1.22	EQUALISER PIN DRG. NO. TPL-6472		TPL-6472	11168055	II	DLW	
1.22	PIN		TPL-6472	11168067	II	DLW	
1.22	FLAT SPLIT COTTER 8X20X120 LG.			15850237	I	DLW	
1.23	BRAKE RIGGING KIT for WDM2 Loco		208 V 16020	11020428	II	DLW	
1.23	BRAKE RIGGING KIT for WDM3D/WDG3A Loco		11520334	11520334	II	DLW	
1.23	BRAKE RIGGING KIT for WDG4/WDP4/WDPP4D/WDG4D Loco		K-1702009	17021182	II	DLW	
1.24	LOCO SIDE BUFFER ASSLY			11663236	II	DLW	
1.25	CATTLE GUARD ASSLY		DRG NO TPL-0788	11033617	I	DLW	
1.25	MODIFIED CATTLE GUARD ASSEMBLY			17032969	I	DLW	
1.25	CATTLE GUARD ASSEMBLY			17035909	I	DLW	
1.26	RUBBER BUSH			11272818	II	DLW	
1.27	BOLSTER WEAR PLATE B S 1449 EN 43 J			11123126	II	DLW	
1.28	CONICAL THRUST PAD			11432639	II	DLW	
1.29	EQUALISER ASSY LONG (OUTSIDE) for WDM2/WDS6 loco		TPL- 0684	11022590	II	DLW	
1.29	EQUALISER ASSY SHORT (OUTSIDE)for WDM2/WDS6 loco		TPL- 0685	11022607	II	DLW	
1.29	EQUALISER ASSY LONG (INSIDE) for WDM2/WDS6 loco		TPL- 0684	11022668	II	DLW	
1.29	EQUALISER ASSY SHORT (INSIDE) for WDM2/WDS6 loco		TPL- 0685	11022670	II	DLW	

1.3	AIR FLOW MEASURING GAUGE SELF ILLUMINATED WITH LED.		DRG NO. SK. 2061	11445506	II	DLW	
1.30	LINK		TPL -9286	11520267	II	DLW	
1.30	EQUALISER BEAM.		TPL - 9285	11520279	II	DLW	
1.30	COMPENSATING BEAM.		TPL - 9284.	11520280	II	DLW	
1.31	SPRING SEAT		TPL -5418	11029341	II	DLW	
1.31	SPRING SEAT			11250100	II	DLW	
1.32	MODIFIED BOGIE FRAME & BOLSTER ASSLY. (FOR WDP3A LOCOS)			11025797	II	DLW	
1.32	BOGIE FRAME ASSEMBLY. (FABRICATED)		TPL - 2823	11028660	II	DLW	
1.32	BOGIE FRAME ARRGT (WITHOUT EQUALIZER AND C BEAM)			11520760	II	DLW	
1.32	BOGIE FRAME ARRANGEMENT			11522010	II	DLW	
1.33	LED TYPE WARNING FLASHER LIGHT	ELRS/SPEC/LFL/0017 (REV.1 SEP.2004)	DRG NO. EL/PT/0473 R2	12365877	I	DLW	
1.33	MARKER LIGHT		8494495	17451383	I	DLW	
1.34	HAND BARKE ASSLY			11024460	II	DLW	
1.34	MODIFIED HAND BRAKE			11669160	II	DLW	
1.34	HANDBRAKE		10634750	17020025	II	DLW	
1.35	TWIN BEAM HEAD LIGHT (WITHOUT DC/DC CONVERTER).	ELRS/SPEC/PR/0024, (REV.01 SEP.04)		12365830	I	DLW	
1.35	HEAD LIGHT ASSLY		8247096	18360683	I	DLW	
1.36	HIGH CAPACITY DRAFT GEAR			11032686	II	DLW	
1.37	LOW PRELOAD SOFT DRAFT GEAR			11535854	II	DLW	
1.38	HIGH TENSILE CENTRE BUFFER COUPLER		DRG NO. TPL - 690	11032753	II	DLW	
1.39	E TYPE COUPLER		10661402	17454505	II	DLW	
1.4	BRAKE SHOE		DRG. NO. TPL-0202	11250185	II	DLW	

1.40	DRAFT GEAR AND YOKE ASM.FOR WDP4		8439090	17454530	II	DLW	
1.41	E-TYPE COUPLER		10632625	17451103	II	DLW	
1.42	DRAFT GEAR YOKE ASM FOR WDG4		8420236	17451115	II	DLW	
1.43	TIGHT LOCK COUPLER H- TYPE			11535945	II	DLW	
1.44	LOOK OUT GLASS		TPL-2820	11445889	I	DLW	
1.44	GLASS WINDOW (DOOR) TO DRG NO.10631398		10631398	17420039	I	DLW	
1.44	GLASS WINDOW (DOOR)			17420088	I	DLW	%
1.44	GLASS WINDOW (FRONT)		10630657	17451190	I	DLW	
1.44	FRONT GLASS			17455522	I	DLW	%
1.44	FRONT GLASS			17455534	I	DLW	%
1.45	CLASSIFICATION LIGHT	ASSEMBLY-(R.H.) DEL/SPN/107 R2		12365038	I	DLW	
1.45	CLASSIFICATION LIGHT	ASSEMBLY (L.H.) DEL/SPN/107 R2		12365040	I	DLW	
1.46	MARKER LIGHT POWER LED	RDSO SPECIFICATION ELRS/SPEC/PR/0022 (REV-1 OCTOBER- 2004)		12365762	I	DLW	
1.46	LED BASED CLASSIFICATION LAMP	WDG4/EL/PS/16		18360774	I	DLW	
1.47	MG LOCO COUPLER			11420215	II	DLW	
1.48	PIN TO DRG. NO. TPL-6472		TPL-6472	11168067	II	DLW	
1.49	DEE SHACKLE WITH CONNECTION PIN		TPL- 6438	11026224	II	DLW	
1.49	SHACKLE ASSLY		TPL- 2745	11028646	II	DLW	
1.49	SHACKLE ASSLY			17020645	II	DLW	
1.49	SHACKLE ASSLY			17031874	II	DLW	
1.50	BRAKE HEAD ASSLY	MP 0.01.00.04	203V40050	11020430	II	DLW	
1.5	U-TYPE COMPOSITE BRAKE SHOE		DRG. NO.TPL- 9283	11663406	II	DLW	
1.50	BRAKE HEAD ASSEMBLY	MP 0.01.00.04		17020440	II	DLW	
1.51	ANTI VIBRATIONS RUBBER PAD	S.K.NO-0712	S.K.NO-0712	11272624	II	DLW	
1.52	EQUALISER PIN		TPL - 0712	11169412	II	DLW	

1.53	BUSHES FOR BRAKE RIGGING (METALLIC/NON METALLIC)		TP1 - 311	11811778	II	DLW	
1.54	NYLATRON BUSHES FOR BRAKE RIGGING			11275789	II	DLW	
1.55	SIDE STOPPER RUBBER BUFFER PAD		TP1-6783	11026248	II	DLW	
1.55	SEC LATERAL STOP			17455777	II	DLW	
1.56	SAFETY BRACKET FOR SLACK ADJUSTER		TP1 - 0466	11020714	II	DLW	
1.56	SAFETY BRACKET			11244744	II	DLW	
1.57	SIDE BEARER		TP1-5475	11272922	II	DLW	
1.57	SIDE BEARER		TP1-6468	11273446	II	DLW	
1.57	RUBBER SPRING ASM		40075328	17020293	II	DLW	
1.57	RUBBER SPRING ASM 'A'		40090677	17021121	II	DLW	
1.57	RUBBER SPRING ASM		40172815	17021790	II	DLW	
1.57	RUBBER SPRING ASM 'B'		40090678	17022133	II	DLW	
1.58	SPRING ASS'LY WITH SNUBBER		7621V42150	11020167	II	DLW	
1.58	SNUBBER ARRGT.		TP1 - 0435	11022152	II	DLW	
1.59	STRIP CHART TYPE SPEED INDICATING & RECORDING SYSTEM (0-150) KMPH FOR DIESEL LOCO			12190706	I	DLW	
1.59	SPEED RECORDER	RDSO SPEC NO. MP.0.3700-01 REVISION - 03 AMMENDED DEC 1999		12191048	I	DLW	
1.59	EVENT RECORDER WITH INTERFACE TO EM - 2000 FOR WDG4/WDP4 LOCOMOTIVE	WDG4/EL/PS/1 REV.-B		18190054	I	DLW	
1.60	SOCKET HEAD CAP SCREW LOCK WEL 10X30LG. (FOR TM-4907 AZ)		4/DCW/M/TM-421	12495633	I	DLW	
1.60	SOCKET HEAD CAP SCREW 12X90LG.FOR TM 4907		4/DCW/M/TM-423	12495645	I	DLW	
1.60	SOCKET HEAD CAP SCREW 12X70LG.FOR TM 4907		4/DCW/M/TM-422	12495657	I	DLW	

1.6	HIGH FRICTION COMPOSITION BRAKE BLOCK			17452417	II	DLW	
1.60	SCREW 1/2-13 HS CAP		138293	19250010	I	DLW	
1.60	SCREW 1/2-13 HS CAP		138299	19250022	I	DLW	
1.61	M.T.SPRING (OUTER)		TPL - 0126	11410036	II	DLW	
1.61	M.T.SPRING (INNER) BG		TPL - 0126	11410048	II	DLW	
1.61	MT SPRING (OUTER) MG (YDM4)		TPL- 1020	11410139	II	DLW	
1.61	MT SPRING (INNER) MG (YDM4)		TPL- 1020	11410140	II	DLW	
1.61	PRIMARY SPRING (WDP1)		TPL-5100	11410360	II	DLW	
1.61	SECONDARY SPRING (WDP1)		TPL-5101	11410371	II	DLW	
1.61	SUSPENSION SPRING OUTER		TPL - 5492	11410383	II	DLW	
1.61	SUSPENSION SPRING INNER		TPL - 5492	11410395	II	DLW	
1.61	SUSPENSION SPRING (PRIMARY)		TPL-6693	11410413	II	DLW	
1.61	SECONDARY SPRING (WDP2)		TPL-6694	11410425	II	DLW	
1.62	TREAD BRAKE UNIT W/PARKING/RH	MP 0.99.00.05		11454234	II	DLW	
1.62	TREAD BRAKE UNIT WITHOUT PARKING BRAKE	MP 0.99.00.05		11454246	II	DLW	
1.62	TREAD BRAKE UNIT W/PARKING/LH	MP 0.99.00.05		11454799	II	DLW	
1.62	TREAD BRAKE UNIT WITHOUT PARKING BRAKE (LH)	MP 0.99.00.05		11454805	II	DLW	
1.62	KIT FOR TREAD BRAKE UNIT			17456216	II	DLW	
1.63	MACHINING OF CO-CO BOGIE(M.T)		4113V13800	11023168	II	DLW	
1.64	TIE BAR ASSLY		TPL -6472	11026200	I	DLW	
1.65	PRIMARY VERTICAL HYDRAULIC DAMPER			11454192	II	DLW	

1.65	SECONDARY VERTICAL DAMPER			11454209	II	DLW	
1.65	LATERAL HYDRAULIC DAMPER			11454210	II	DLW	
1.65	PRIMARY VERTICAL HYDRAULIC DAMPER			11458409	II	DLW	
1.65	HYDRAULIC DAMPER VERTICAL	5476		11459037	II	DLW	%
1.65	LATERAL HYDRAULIC DAMPER			11663157	II	DLW	%
1.65	VERTICAL HYDRAULIC DAMPER			11665660	II	DLW	%
1.65	LATERALS HYDRAULIC DAMPER			11665671	II	DLW	%
1.65	VERTICAL HYDRAULIC DAMPER	TPL - 2743		11666845	II	DLW	%
1.65	LATERAL HYDRAULIC DAMPER	TPL - 2744		11666857	II	DLW	
1.65	VERTICAL DAMPER			11810622	II	DLW	
1.65	HORIZONTAL DAMPER (SECONDARY YAW)	40057722		17452855	I	DLW	
1.65	SECONDARY YAW DAMPER	40090992		17454475	I	DLW	
1.65	VERTICAL DAMPER (PRIMARY)	MP 0.40.99.03 46123074		17454992	I	DLW	
1.65	VERTICAL DAMPER	40172452		17455789	I	DLW	
1.65	LATERAL DAMPER	40172454		17455790	I	DLW	
1.66	TRUCK FRAME ASM	40074880		17020189	II	DLW	
1.67	HTSC BOGIE (FAB II)	17021492		17021492	II	DLW	
1.67	BOGIE FRAME ASM	WDG5/PS/02		17021522	II	DLW	
1.68	BUSHING NOSE LINK			17272970	I	DLW	
1.68	MOTOR NOSE LINK BUSHING TO DRG NO 40076638	40076638		17452259	I	DLW	
1.69	BUSHING RUBBER	40076807		17452200	II	DLW	
1.70	BUSHING TRACTION ROD			17272932	II	DLW	
1.7	AIR WHISTLE	DRG NO 10585230		17451243	I	DLW	
1.70	BUSHING-TRACTION ROD	40036366		17452211	II	DLW	

1.71	LATERAL THRUST PAD		40162354	17272956	II	DLW	
1.71	PAD ASM - LAT THRUST		40074617	17020244	II	DLW	
1.72	HALF CYLINDER WEAR		HALF CYLINDER WEAR TO DRG NO 40075177	17453458	II		
					II	DLW	
1.73	SPRING SINGLE COIL		SPRING SINGLE COIL TO DRG NO 40075318	17410060	II	DLW	
1.73	SPRING SINGLE COIL			17410101	II	DLW	
1.73	SPRING SINGLE COIL			17410125	II	DLW	
1.74	BRG ADAPTER ASM WITH JOURNAL BEARING (WITHOUT BUSHING TRACTION ROD)			17021170	II		
					II	DLW	
1.74	BEARING ADAPTER ASM WEELD LT			17021650	II	DLW	
1.74	BEARING ADAPTER ASM WEELD RT			17021686	II	DLW	
1.75	T.M NOSE LINK ASM			17020323	I	DLW	
1.75	TRACTION ROD ASM		40172456	17021637	I	DLW	
1.75	NOSE LINK ASM			17021741	I	DLW	
1.75	LINK MACH TO DRG NO 40076440		40076440	17980951	II	DLW	
1.76	GEAR CASE ASSLY. WITH HARDWARE, FELT SEAL GASKETS AND TPU SEAL (TOP & BOTTOM)		12087841	12087841	I		
					I	DLW	
1.76	GEAR CASE UPPER		40170044	17021870	I	DLW	
1.76	GEAR CASE LOWER		40170043	17021881	I	DLW	
1.76	GEAR CASE ASSLY KIT		K-1745012	17453793	I	DLW	
1.77	HEX BOLT		EH DP - 201	15669233	I	DLW	
1.77	BOLT-1 1/8-7 HEX			19980152	I	DLW	
1.78	GEAR WHEEL 65 TEETH CASE CARBURISED		SK DP -3623	12442860	I	DLW	
1.78	GEAR WHEEL 74 TEETH,		SK - DP 3546	12442884	I	DLW	
1.78	GEAR 91 TEETH			17455923	I	DLW	

1.78	PINION GEAR G4 17		40074147	18440010	I	DLW	
1.78	BULL GEAR G4 - 90 TEETH		40074148	18440022	I	DLW	
1.78	PINION GEAR P4 17		10662229	18440034	I	DLW	
1.78	BULL GEAR P4 77 T.		10662230	18440046	I	DLW	
1.78	PINION 20 TEETH			18440058	I	DLW	
1.79	PEDESTAL LINER		412V900031	11123151	I	DLW	
1.79	FACE LINERTO		TPL- 9873	11644023	I	DLW	
1.80	COMPOSITE LINER (END)		TPL-3537	11271152	I	DLW	
1.80	COMPOSITE LINER (MIDDLE)		TPL-3537	11271164	I	DLW	
1.8	DUPLEX AIR PRESSURE GAUGE 4"(MR & FP) SELF ILLUMINATED WITH LED		DRG NO. SK NO.- 2058	11445476	II	DLW	
1.8	4" SINGLE AIR PRESSURE GAUGE (B.C.) SELF ILLUMINATED WITH LED		DRG NO. SK NO.- 2059	11445488	II	DLW	
1.8	6" SINGLE PRESSURE-GAUGE (B.P.) SELF ILLUMINATED WITH LED		DRG NO. SK NO.- 2062	11445518	II	DLW	
1.8	6" SINGLE VACCUM GAUGE (VTP) SELF ILLUMINATED (LED)		DRG NO. SK NO.- 2063	11445520	II	DLW	
1.8	VAC. BRAKE PIPE CONTROL GAUGE 4" SELF ILLUMINATED (LED)		DRG NO. SK NO.- 2064	11445531	II	DLW	
1.8	AIR GAUGE ASM		DRG NO. 10631881	17452508	II	DLW	
1.81	Wheel Mono block Rolled (Rough Machined) for WDM2	IRS R-34 of 2009 with December '11 addendum	RDSO drg. No. D/WL-5060/R	11239426			
1.81	Wheel Mono block (Rough Machined) for WDG4 locomotives	IRS R-34 of 2009 with December '11 addendum	RDSO drg. no. D/WL-5064/R	17230044	I	DLW	rem

1.81	Wheel Mono block Rolled (Rough Machined) for WDP4 locomotives	IRS R-34 of 2009 with December '11 addendum	RDSO drg. No. D/WL-5061/R	17230147	I	DLW	
1.81	Wheel Mono block Rolled (Rough Machined) for WDG5 locomotives	IRS R-34 of 2009 with December '11 addendum	RDSO drg. no. D/WL-5065/R	17230251	I	DLW	
1.82	WIPER APPLICATION KIT (CONSISTING OF 05 ITEMS)			11668799	I	DLW	
1.82	WIPER MOTOR ASM KIT (CONSISTING 04 ITEMS)			17454955	I	DLW	
1.82	WIPER MOTOR ASM KIT (CONSISTING OF 05 ITEMS)			17454967	I	DLW	
1.83	SUSPENSION ARRGT. ACCESSORIES KIT OF TM 4907 T2		DRG NO.EL/PT/0711	12087956	I	DLW	
1.83	SUSPENSION TUBE (MACHINED) SUITABLE FOR TM 4907 BZ OF BHEL MAKE		1/D/CW/M/TM-398	12495554	I	DLW	
1.83	HOUSING BEARING MACH.			17250894	I	DLW	
1.83	HOUSING BEARING COMPONENTS KITS (CONSISTING 4 ITEMS)		K-1745036	17454487	I	DLW	
1.83	HOUSING BEARING KIT (CONSISTING 11 ITEMS)		K-1745037	17454499	I	DLW	
1.83	HOUSING BEARING COMPONENTS KITS (CONSISTING 13 ITEMS)			17457117	I	DLW	
1.84	RIVETLESS CAGE TM BEARING SKF NU 330 ECMRD/C4/VA301	MP-0-2402.03		12491275	I	DLW	
1.84	RIVETLESS CAGE TM BEARING SKF NH 320 ECMRD/C4/VA301	MP-0-2402.03		12491305	I	DLW	
1.84	RIVETLESS CAGE TM BEARING NU 328 (PE)			12495918	I	DLW	
1.84	RIVETLESS CAGE TM BEARING NH 318 (CE)			12495920	I	DLW	
1.84	BEARING ASM ROLLER		40072949	17400030	I	DLW	
1.84	BEARING ASM ROLLER		40083493	17400053	I	DLW	

1.84	DRIVE END CYLIDRICAL ROLLER BEARING			18080121	I	DLW	
1.84	NON DRIVE DEEP GROOVE BALL BEARING			18080133	I	DLW	
1.85	Electron Beam Cable size 1.5 mm sq.	EDPS-179	EL/PT/505	12330772	I	DLW	
1.85	Electron Beam Cable size 3.0 mm sq.	EDPS-179	EL/PT/505,	12330784	I	DLW	
1.85	Electron Beam Cable size 6.0 mm sq.	EDPS-179	EL/PT/505	12330796	I	DLW	
1.85	Electron Beam Cable size 35.0 mm sq.	EDPS-179	EL/PT/505	12330802	I	DLW	
1.85	Electron Beam Cable size 95 mm sq.	EDPS-304	DRG. NO- EL/PT/505	12330814	I	DLW	
1.85	Electron Beam Cable size 240 mm sq.	DRG. NO-EL/PT/505	Spec. No.EDPS-304	12330826	I	DLW	
1.85	Electron Beam Cable size 300 mm sq.	EL/PT/505	EDPS-304	12330838	I	DLW	
1.85	Cable #2/0 AWG Size 325/24 (0.105)	EDPS-304	DRG. No. 40085782 REF. Drg. No. 9094883	18320510	I	DLW	
1.85	Cable, #16 AWG Size 19/29	EDPS 179	8466844	18330034	I	DLW	
1.85	Cable, #14 AWG Size 37/30	EDPS 179	9094883	18330060	I	DLW	%
1.85	Cable,#14 AWG Size 37/30	EDPS 179	9094883	18330071	I	DLW	%
1.85	Cable, #12 AWG Size 37/0133	EDPS 179	9094883	18330083	I	DLW	
1.85	Cable 91/24, #5 AWG	EDPS 179	9094883	18330095	I	DLW	
1.85	Cable, #4/0 AWG Size 550/24	EDPS-304	9094883	18330113	I	DLW	
1.85	Cable size 775/24 (158.07 sq. mm))	EDPS-304	DRG. No 9094890 REF. Drg. No. 9094883	18330125	I	DLW	
1.85	Cable, #12 AWG, Size 37/0133	EDPS 179	9094883	18330198	I	DLW	
1.85	Cable, #8 AWG, Size 37/24	EDPS 179	9094883	18330204	I	DLW	
1.85	Cable, #3AWG, Size 125/24	EDPS-179	9094886	18330216	I	DLW	
1.85	Cable #1 AWG Size 225/24	EDPS-304	DRG. No. 9094887 REF. Drg. No.9094883	18330228	I	DLW	
1.85	Cable size 1325/24	EDPS-304	40015786 REF. Drg. No. 40015785	18330230	I	DLW	

1.85	Cable size 1100/24	EDPS-304	DRG. No. 40038694 REF. Drg. No. 40015785	18330241	I	DLW	
1.85	Cable -2 Conductor, # 20 AWG,	EDPS-179	40019324	18330253	I	DLW	
1.85	Cable-27 Conductor,	EDPS 179	40052869	18330277	I	DLW	
1.85	Cable-3 Conductor, # 12 AWG (Size 37/27)	EDPS-179	40036049	18330289	I	DLW	
1.85	Cable 2- conductor, #14 AWG (Size 37/30) TWT	EDPS 179	40071801	18330290	I	DLW	
1.85	Cable, .5 Conductor, # 16 AWG (Size19/29), Shielded	EDPS-179	9513207	18330320	I	DLW	
1.85	Cable #4/0 AWG Size 2109/30	EDPS-304	40056040 REF. Drg. No. 40015785	18330344	I	DLW	
1.85	Cable -4 Conductor, Shielded, #16 AWG (Size19/29)	EDPS-179	40023377	18330356	I	DLW	
1.85	Cable -14 Conductor, #16 AWG (Size 19/29),		40059175	18330368	I	DLW	
1.85	Cable-3 Conductor, #18 AWG TWT Size 19/30,	EDPS-179	40036047	18330411	I	DLW	
1.85	Cable 2- conductor, #12 AWG (Size 37/0 0133) TWT	EDPS-179	40071800	18330526	I	DLW	
1.85	Cable size 225/24 (0.105)	EDPS-304	10661360 REF. Drg. No. 9094883	18330800	I	DLW	
1.85	Cable-3 Conductor, #16 AWG	EDPS-179	40061670	18330939	I	DLW	
1.85	Fluoro Elatormen cables	MP 0.52.00.08		18330940	I	DLW	
3.10	Solid Forged Wheel (Rough Turned) for FIAT IR Bogie.	IRS-R19-93, PT-II REV3	LW02103 ALT. 'F'	33509025	III	RCF	
3.10	AXLE(Semi Finished) for FIAT IR Bogie.	AIN UIC 811-1	LW02149 ALT. 'a'	33509037	III	RCF	
3.11	Axle Mounted Disc Brake system for ALSTOM-LHB Design-AC & NAC Coaches.	MDTS077 REV.03 9 (without brake disc and emergency brake cable box NPZ 1-S or passenger emergency pila valve)	NIL	33501427	II	RCF	
3.11	Axle Mounted disc brake system for alstom-LHB Design-Power car Coaches.	MDTS077 REV.03 (without brake disc and emergency brake cable Box NPZ 1-S or passenger emergency pila valve)	NIL	33501439	II	RCF	
3.20	High Tensile Tightlock Centre Buffer Coupler with AAR 'H' type head	RDSO/2011/CG-03 date of issue Oct 2011	NIL	33501440	II	RCF	

3.34	Complete Bogie set of LHB coach.	NIL	1267/400	33502237	III	RCF	
3.6	Bal Joint Traction Lever	MDTS-148 Rev.01 & MDTS-122 Rev.'03' or latest.	C53 973 Ref bred 8403 rev.02 (FF1521728 Mod 01) to be read with T.S.17.532 100 00,T.S.17.617.100 02	33500010	II	RCF	
3.6	UIC Taper Roller Bearing for Dia 130 MM axle journal for flat bogie	17.565 100 01 and 17.565 103 00	SKF drg.No.1639433BC or Timken Part No. E48999 (H127746/H90010) or Equivalent	33500071	I	RCF	
4.1	Led type tail light with flasher unit	EDTS215	NIL	33540226	I	RCF	
4.15 & 4.16	60 KVA transformer 750V/415V,3- phase,4 wire, vector configuration- star-star	RDSO/PE/SPEC/AC/0080(REV-0)-2007, AM-2 WITH RCF CORP.2.	NIL	33551042	I	RCF	
4.15 & 4.16	9 KVA 750V/415/190V, 3-phase star-star-star,dry transformer air cooled power distribution transformer- for train lighting load	RDSO/PE/TL/0158-2010,REV-0, TYPE-1	NIL	33553555	I	RCF	
4.2 & 4.3	GPS based passenger information	EDTS270 TYPE-III	NIL	33552678	I	RCF	
4.22	Regulated Battery Charger for LHB AC Sleeper Coaches	RDSO/PE/SPEC/AC/0129-2009,REV-0	NIL	33560535	I	RCF	
4.4 & 4.14	70 AH,110V,54cells of 2V(9 module of 12 V each) maint free,pre charged pure lead tin monoblock battery set	EDTS129 REV. NIL	NIL	33560328	I	RCF	
4.4 & 4.14	70 AH,110V,vrla lead acid maintenance free battery (9 nosx12V)	RDSO/PE/SPEC/AC/0009-2008, REV-1 with AM-1,RCFANNX.A	NIL	33561400	I	RCF	
4.41	Roof Mounted AC package unit for LHB Railway power car	RDSO/PE/SPEC/AC/061(REV-0) WITH AMENDMENT-3.(TYPE- 11) AND RDSO LETTER No. EL/7.2.2/MOTOR DATED 12.09.2011	NIL	33560572	I	RCF	

4.51	Solid Forged Wheel (Rough Turned) for FIAT IR Bogie (Same as 3.10 above)	IRS-R19-93, PT-II REV3	LW02103 AL.T. 'F'	33509025	III	RCF	
4.53	500 KVC 750V/3 PH diesel alternator set for LHB power car without power car and control panel	RDSO/PS/SPEC/0084-2008, REV-0, WITH RCF ANNEXURE-2	NIL	33552836	III	RCF	
4.53	Roof Mounted AC package unit for LHB Railway coaches.	RDSO/PE/SPEC/AC/0061-2005(REV-0)WITHAMENDMENT-3(TYPE-1) AND RDSO LETTER No EL/7.2/MOTOR DATED 12.09.2011	NIL	33560160	III	RCF	
4.54	Yaw Damper	TS17.560.100 03	LW05103	33500447	III	RCF	
4.54	Secondary Lateral Damper	TS17.560.100 03	LW05100	33500459	III	RCF	
4.54	Primary Vertical Damper	TS17.560.100 03	LW05102	33501002	III	RCF	
4.54	Secondary Vertical Damper	TS17.560.100 03	LW05101	33509001	III	RCF	
4.55	Primary Spring for generator car (Inner)	17.248.100 05 (Amendment No. 1 of October,2004), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 7012	1277143 ver 01	33500356	III	RCF	
4.55	Primary Spring for generator car (Outer)	17.248.100 05 (Amendment No. 1 of October,2004), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 7012	1277142 ver 01	33500368	III	RCF	
4.55	Secondary Spring for generator car side 1 (Inner)	17.248.100 05 (Amendment No. 1 of October,2004), 17.471.101 01 (Amendment No.2 of January,2005), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 701	1277145 ver 01	33500370	III	RCF	
4.55	Secondary Spring for generator car side 1 (Outer)	17.248.100 05 (Amendment No. 1 of October,2004), 17.471.101 01 (Amendment No.2 of January,2005), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 701	1277146 ver 01	33500381	III	RCF	
4.55	Secondary Spring for generator car side 2(inner)	17.248.100 05 (Amendment No. 1 of October,2004), 17.471.101 01 (Amendment No.2 of January,2005), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 701	1268837 ver 01	33500393	III	RCF	
4.55	Secondary Spring for generator car side 2 (Outer)	17.248.100 05 (Amendment No. 1 of October,2004), 17.471.101 01 (Amendment No.2 of January,2005), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 701	1268836 ver 01	33500400	III	RCF	
4.55	Secondary Lateral Damper for Fiat bogies with air spring	TS17.560.100 03	LW05122	33502191	III	RCF	

4.55	Primary Spring for LHB Coaches (Outer)	17.248 100 05 (Amendment No. 1 of October,2004), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 7012	1267411 ver 04	33503035	III	RCF	
4.55	Primary Spring for LHB Coaches (Inner)	17.248 100 05 (Amendment No. 1 of October,2004), colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 7012	1267412 ver 05	33503047	III	RCF	
4.55	Secondary Spring for LHB Coaches (Inner)	17.248 100 05 (Amendment No. 1 of October,2004), 17.471 101 01 (Amendment No.2 of January,2005) colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 7012	1269513 ver 02	33503059	III	RCF	
4.55	Secondary Spring for LHB Coaches (Outer)	17.248 100 05 (Amendment No. 1 of October,2004), 17.471 101 01 (Amendment No.2 of January,2005) colour code as per Design's letter No. MD 23151 dated 23/11/2002 & final coat shade RAL 7012	1269514 ver 02	33503060	III	RCF	
4.55	Air Spring Assy for main Line/Rajdhani LHB coaches for FIAT type bogie.	MPLBGASPLHB VERSION 2	NIL	33503527	III	RCF	
2.1	Heatless Twin tower Air Dryer with filter and Auto drain v/v (GM type) for WAG7/P4	MP 0.01.00.06 (Rev 5) March 2011		25186619	I	CLW	
2.10	Holder for TM suspension for 6ERA 6068 TMs	1209-01.118-002 Alt.2	IB011-00193	29100150	III	CLW	
2.1	Twin tower air dryer for WAG9/P7/P5	MP 0.01.00.06 (Rev 4) July 2009		29162051	I	CLW	
2.1	E-70 brake equipment & panel mounted brake system for WAG9/P7	CLW/MS/3/001 ALT-12		29180016	I	CLW	
2.1	E-70 brake equipment & panel mounted brake system for WAP5	CLW/MS/10/031 ALT-5		29185002	I	CLW	
2.15	Loco Side Buffer for WAG9/P7/P5/G7/P4		SKDL 4561 Alt-1	25130353	II	CLW	
2.16	Cattle guard For WAG7		05/1/62/44 ALT-12	25120050	III	CLW	
2.16	Cattle guard For WAP4		03/1/62/83 ALT-6 03/1/62/84 Alt.7	25120104	III	CLW	
2.17	Cattle guard For WAG9/P7	CLW/MS/3/107 Alt.5		29120184	III	CLW	
2.17	Cattle guard For WAP5	CLW/MS/3/107 Alt.5		29125066	III	CLW	
2.18	Rubber bush assembly for Centre pivot	WAG2-78, 06/2/15/49 Alt Nil	SKVL-28 SKVL-28A SKVL-127	25103210	III	CLW	

2.20	Center pivot assembly	06/23/1/06, Alt. 1	OEM's drawing, 06/23/1/06 ALT 1	25120566	III	CLW	
2.2	A-9 Brake valve with handle for WAG7/P4	O/2/65/243 ALT 1	WABCO 564140-42 USA	25160072	I	CLW	
2.2	SA-9 Brake valve with handle for WAG7/P4	O/2/65/218 Alt. 1	WABCO 564141-43 USA	25160084	I	CLW	
2.22	Equalising spring seat for WAG7 locos	06/3/15/63 Alt-NIL		25100166	III	CLW	
2.25	BOLSTER ASSEMBLY for WAG7	VL-SPEC 6(REV-02)APRIL 2011	SKVL-207 ALT1	25103167	II	CLW	
2.25	Bogie frame Assy for WAG7	VL-SPEC 6	06/1/12/78 Alt6, 06/1/12/79 Alt2, 06/1/12/49 Alt1	25105012	II	CLW	
2.25	Machined Bogie frame Assy for WAP4	MP 0.4900.04	03/1/12/38 Alt3, 03/1/12/39 Alt1, 03/1/12/18 Alt10	25105024	II	CLW	
2.25	Bogie frame Assy. for WAG9		1B011-00277 Alt.2	29100422	II	CLW	
2.27	LED based Flasher light for Electrical Locomotives	ELRS/SEC/LFL/0017/Rev'1' of Sept.04		25611215	I	CLW	
2.28	Pressure Switch (OPDI)		CLW/ES/S-24/1	25700704	I	CLW	
2.28	Magnet valve	MCS-11(KNORR MAKE)	CLW/LS/M.2/1	25870014	I	CLW	
2.29	Hand brake assy for conventional locos	CLW's Spec.No. A4/TES/799.002 Alt.3, A4/TES/795.003 Alt.2	CLW's Drg. No.01/0/59/1 Alt.8	25140050	III	CLW	
2.3	Air flow indicator gauge for WAG7/P4		1209-18-306-183 (FF 4154 T-1)	25160280	I	CLW	
2.31	Head light twin beam for WAG7/P4	ELRS/SPEC/PR/0024(Rev 1) Sep. 04		25616122	I	CLW	
2.32	DC-DC converter for Conventional locos	ELRS/SPEC/DC-DC Converter/ 0021(Rev.1) Sep.04		25740507	I	CLW	
2.34	High tensile transition CBC with transition screw coupling assy & its components for BG loco	56-BD-97, 56-BD-07& 49-BD-08	SKDL 3430, 508	25130201	II	CLW	
2.35	PN Horn HT for WAG7/P4	WSF.PT.NO.IC-70010/3	0/2/65/109 Alt.3	25163206	III	CLW	
2.35	PN Horn LT for WAG7/P4	WSF.PT.NO.IC-70010/4	0/2/65/109 Alt.3	25163306	III	CLW	
2.36	Wind Screen for WAG9/P7/P5/G7/P4	CLW/MS/3/027 Alt.6	1209-08.130-263 Alt.3	29170291	III	CLW	

2.37	LED based Marker light- Electric Locomotives	RDSO Specn No. ELPS/SPEC PR/0022(Rev.1) of Oct.04		25611198	I	CLW	
2.38	4" Duplex Pressure Gauge for WAG7/P4	MPTP-14 July 2000	SKDP-3509 Alt.3	25160187	III	CLW	
2.39	Rubber side stopper for WAG7	IS 5192 type 'B' G-4, 06/2/15/47 Alt.2	06/3/15/47 ALT 2	25105085	III	CLW	
2.41	Side bearer (secondary rubber springs) for WAG7	VL-03, SPR.No-VL-02	SKDL VL 127	25103222	III	CLW	
2.43	Speedometer (Microprocessor) for WAG7/P4	ELRS/SPEC/SPM/0002, Rev 2, June 2004 with Amnd. 1 to 6		25201001	I	CLW	
2.43	Speedometer complete for WAG9/P7/P5	ELRS/SPEC/SPM/0002, Rev 2, June 2004 with Amnd. 1 to 6		29200040	I	CLW	
2.44	Microprocessor based control and fault diagnostic system for electric locomotives for WAG7/P4	ELRS/SPEC/MPC/ FDS/001/Rev2' August 2005		25617011	I	CLW	
2.45	Suspension tube for HTM		10P701-898Alt-8	25606475	III	CLW	
2.45	Motor Suspension Unit for WAG9/P7/P5	CLW/MS/3/201Alt-2	1209-01.111-004, 1209-01.0111-018	29100288	III	CLW	
2.46	Primary Spring (Inner) for WAG7	MP 0.4900.12 Rev 01 of July. 08	SK VL-037 Alt.5	25040030	I	CLW	
2.46	Primary Spring (Outer) for WAG7	MP 0.4900.12 Rev 01 of July, 08	SK VL-039 Alt.5	25040042	I	CLW	
2.46	Primary Spring for WAP4	MP 0.4900.12 Rev 01 of July, 08	SKDL-3472 Alt.6	25040066	I	CLW	
2.46	Secondary spring for WAP4	MP 0.4900.12 Rev 01 of July, 08	SKDL-3473 Alt.7	25040078	I	CLW	
2.46	Secondary Spring for WAP7	CLW/MS/3/008 Alt.5	1209.01.115-010 Alt.1	29040048	I	CLW	
2.46	Primary Spring (end axle) for WAP7	CLW/MS/3/008 Alt.5	1209.01.115-008 Alt.1	29041016	I	CLW	
2.46	Primary Spring (mid outer) for WAP7	CLW/MS/3/008 Alt.5	1209.01.115-009 Alt.1	29041028	I	CLW	
2.46	Primary Spring (mid inner) for WAP7	CLW/MS/3/008 Alt.5	1209.01.115-009 Alt.1	29041030	I	CLW	

2.46	Set of Spring for WAG9H	CLW/MS/3/008 Alt.5	IB011-00842-003, IB011-00842-001, IB011-00843-003, IB011-00843-001	29041041	I	CLW	
2.46	Set of Spring for WAP5	CLW/MS/10/006 Alt.3	1210-01.115- 007Alt.1 12010-01.015-010 Alt.1	29045022	I	CLW	
2.47	Complete Brake Gear Arrangement for WAG7/P7		06-1-19-108 Alt-4 sheet-1 & 06-2- 19-108Alt.Nil Sheet.2	25140103	III	CLW	
2.47	Complete Brake Gear Arrangement for WAP4		03-1-19-36 Alt.16, 03-1-19-37 Alt.5 .03-1-19-38 Alt.6, 03-3-19-118Alt.1	25140115	III	CLW	
2.47	Trade Brake Arrangement for WAG9		LA011-00203 Alt.1	29161228	III	CLW	
2.48	Disc brake Arrangement for WAP5		LA01100154 sheet No.1&2, As per OEMs "Drawing",	29185014	III	CLW	
2.5	Axle for WAP4	IRS R-43-92	03/2/11/55 alt.1	25010669	I	CLW	
2.5	Axle for WAG7	IRS R-43-92	06/2/11/2 alt.2	25010670	I	CLW	
2.5	Axle for WAG9/P7	IRS R-43-92	1209-01-011-002 Alt.2	29050042	I	CLW	
2.5	Axle for WAP5	IRS R-43-92	1210-01-311-025	29050091	I	CLW	
2.51	Mounting Bolts for gear case of HTM		4T CLW/TM/Htac hu/15250A Alt.2	25013106	III	CLW	
2.51	Gear Case HTM		05/1/13/168 ALT 15	25100348	III	CLW	
2.53	TM Gear case For WAG9/P7		1209-01.019-014 Alt.7,	29030018	I	CLW	

2.53	TM Gear Case for WAP5		1210-01.113 - 004, OEM Drg. NO	29030134	III	CLW	
2.54	Bearing for Main & Int. gear for WAP5		1210-01.311-021, 1210-01.411-022, 1210-01.411-023,	29030160	I	CLW	
2.55	Gear 58 T for WAP4	MP0.2800.09 REV2 OF JUNE 2005	03/1/11/45 ALT-5	25420010	II	CLW	
2.55	Gear 65 T for WAG7	MP0.2800.09 REV2 OF JUNE 2005	SKDL 4372ALT 4	25420100	II	CLW	
2.55	Pinion 16 T for WAG7	MP0.2800.09 REV2 OF JUNE 2005	RDSO'S SKDL 4373 ALT D	25420150	II	CLW	
2.55	Pinion 23 T for WAP4	MP0.2800.09 REV2 OF JUNE 2005	03/1/11/46 ALT-3	25420203	II	CLW	
2.56	Pinion 20 teeth for WAP7		SKDP-3473 Alt.3	29420039	III	CLW	
2.56	Gear 72 teeth for WAP7		SKDP-3474 Alt.3	29420040	III	CLW	
2.56	Pinion 21 teeth for WAG9		SKDP-3847	29420052	III	CLW	
2.56	Gear 107 teeth for WAG9		SKDP-3848	29420064	III	CLW	
2.56	Gear 67 teeth for WAP5		1A011-230 Rev.G	29425037	III	CLW	
2.56	Intermediate gear 35 teeth for WAP5		1A011-231 Rev.F	29425074	III	CLW	
2.56	Pinion 17 teeth for WAP5		1A011-232 Rev.I	29425141	III	CLW	
2.58	WEAR PLATE (C&D No. R211/983)	IRS R-65-78	03/4/12/43, ALT NIL	25100660	III	CLW	
2.58	WEAR PLATE (C&D No R211/989)	IRS R-65-78	03/4/12/46, ALT NIL	25100671	III	CLW	
2.58	WEAR PLATE (C&D No.R 211/984)	IRS R-65-78	03/4/12/42, ALT NIL	25100683	III	CLW	
2.58	WEAR PLATE (C&D No R211/990)	IRS R-65-78	03/4/12/47, ALT NIL	25100695	III	CLW	
2.58	WEAR PLATE (C&D No R211/991)	IRS R-65-78	03/4/12/48, ALT NIL	25100701	III	CLW	
2.59	Wiper assy for WAG9/P7/P5/G7/P4	CLW/MS/3/050 ALT.6		29162026	III	CLW	
2.6	LOCO WHEEL For WAG7/WAP4	IRS R-34/03	RDSO'S D/WL- 4948/R ALT-20 (01/1/11/17,ALT- 21)	25050102	I	CLW	
2.60	Hitachi TM Armature shaft (Rough machined)	4 TMS. 095.005 Rev 0.00 Alt 1	3TWD.095.010,Alt. 9	25606748	III	CLW	

2.6	LOCO WHEEL For WAG9/WAP7	IRS R-34-09	1209-01-111-003 alt.2	29050054	I	CLW	
2.6	LOCO WHEEL For WAP5	IRS R-34-09	1210-01.111-003 alt.4	29050080	I	CLW	
2.61	Hitachi TM PE bearing, Type NU-330	SUJ 2 to JIS: G4805	10S.778.707 Alt.1	25605422	I	CLW	
2.61	Hitachi TM CE bearing, Type NH-324	SUJ 2 to JIS: G4805	10S.778.708 Alt.1	25605434	I	CLW	
2.61	Taper roller suspension bearing(RWE) M349547-M349510		10R812.077 Alt.A	25605446	I	CLW	
2.61	Taper roller suspension bearing(GWE) M249747-M249710		10R812.078 Alt.A	25605458	I	CLW	
2.63	TM bearing for FRA6068, NU2236E/C4 & NH 320			29030020	I	CLW	
2.63	TM bearing for FXA7059, NU224ECM/C4VA301 & NH 219, NV1964+ NH 1044.			29030031	I	CLW	
2.63	Suspension tube bearings for WAG9/P7 DE (NU1964M1A.C4) & NDE (NJ1044.566185 + HJ1044.F55)	CLW/MS/3/032 Alt.3	CLW DRG.NO. 1209-01-411-020& 1209-01-411-021. ABB DRG. NO. IB 012-00752 & IB 012-00584.	29030110	I		
2.64	Earth return brush For HTM	3TWD.095.106		25621040	III	CLW	
2.64	Earth Return carbon brush for WAG9/P7/P4		HBTB585623R412	29620016	III	CLW	
2.65	Inspection Cover Assy.	10Q.738.283 Alt.C		25606839	III	CLW	
2.65	Inspection Cover	10S813.666 Alt.B		25606840	III	CLW	
2.67	Verticle DBR for WAG7	RDSO/2008/EL/Spec/0069 rev'0' July 2008		25653209	III	CLW	
2.67	forced cooled DBR for WAP4	RDSO/2010/EL/Spec/0106 rev'0' June 2010		25653258	III	CLW	
2.69	Wheel slip Protection RELAY QD for WAG7	CLW/ES/R-271Z		25660780	I	CLW	
2.70	RELAY PC-8	CLW/ES/R-271Z		25640252	I	CLW	
2.70	DI/DU RELAY QLM	CLW/ES/R-271Z		25660056	I	CLW	
2.70	DI/DU RELAY QE	CLW/ES/R-271Z		25660100	I	CLW	
2.70	DI/DU RELAY Q-30	CLW/ES/R-271Z		25660251	I	CLW	
2.70	DI/DU RELAY QOP	CLW/ES/R-271Z		25660354	I	CLW	
2.70	DI/DU RELAY QRSI	CLW/ES/R-271Z		25660901	I	CLW	

2.7	Axle box assly with R/Brg. for WAP4	M/EL/30/9,ALT-2	03/11/17, alt-6	25010270	I	CLW	
2.7	Axle box assly with R/Brg. for WAG7	M/EL/30/8,ALT-3		25010682	I	CLW	
2.7	CRU 150 for WAG9/P7	1209-01.311-061 Alt 1		29010020	I	CLW	
2.7	Axle box bearing(Tapper Roller Bearing) for WAP5	1A016-01494 Rev.2		29010032	I	CLW	
2.71	Master Controller for WAG7/P4		ITWD.241.115	25860010	III	CLW	
2.71	Master Controller for WAG9/P7/P5	CLW/ES/3/0031/A		29860015	III	CLW	
2.72	V/CB 1000	CLW/ES/C-47/F		25712202	I	CLW	
2.79	Vigilance Control Device for locomotives	ELRS/SPEC/VCD/0025(Rev.3) of Dec.,08		25617059	I	CLW	
2.80	Fire Detection Equipment for WAG9/P7/P5	CLW/ES/3/0057	3EHP590451R0002	29610047	III	CLW	
2.8	Axle Box compl. Without Roller Unit for WAG9/P7	CLW/MS/03/0003 Alt.5		29010044	III	CLW	
2.8	Axle Box comp. without brg. for WAP5	1A011-00131,00132,00133, 00135		29015005	III	CLW	
2.81	Torque Arm for WAP5	1210-01.118-012	1A 011-00370	29100082	III	CLW	
2.82	Push pull rod for WAG9/P7	CLW/MS/3/154		29100069	III	CLW	
2.82	Push pull rod for WAP5	1209-01.113-006		29100094	III	CLW	
2.83	Crown gear (Hurtb) coupling for WAP5 loco	AEB 452478	1A 012-00453. Rev 1 1A 011-00234, Rev.3 RDSO/2007/EL/ST R/0016 Rev 'O'	29030122	I	CLW	
2.85	Spheriblocs for WAG9/P7	RDSO/2007/EL/SPEC/ 0051 Rev 'O'		29100203	I	CLW	
2.85	Set of Spheriblocs for WAP5	RDSO/2007/EL/SPEC/ 0051 Rev 'O'		29105183	I	CLW	
2.86	Elastic Ring for 3-phase locos	RDSO/2007/EL/SPEC/ 0053 Rev 'O'		29100010	I	CLW	
2.9	Sandwich rubber mounting for HS-15250TM	R-49-75 amendment 1 & 2	RDSO'S SKDL-2126 ALT 2	25102126	III	CLW	

**In ICF these items are procured with installation and commissing by the suppliers after supply. For some items, ICF has also indicated the components which ICF will provide at the time of installation.

In ICF these items are procured from RDSO/ICF approved firms.

bio: In ICF these items are procured in bio degradable packing.

@ The SN is the same as the SN in safety list circulated by Board letter 99/RS(I/C)/165/SRC Pt1 Dated 6.3.2012 and the SN in RDSO letter no.QAM/RSRC dated 31.01.2012

% For these items, the desc, drg, spec appear prima facie wrong. Corresponding PL unifying entities are requested to set it right.

rem:	11239426	Usages for WCG2, WAM4, WCAM1 WAP1, WDP1, WDP2, WDG2, WAG7, WCAG3, WCAG1, WDM7, WDM3, WDM4, WAG5A, WAG5B BG locomotives types to be verified.
rem:	30014153	Finished machined wheels for MG coaches. ICF is not procuring these items whereas these may required by user Rly.
rem:	30020372	It is for BG ICF coaches in existence
rem:	30020803	PL.No.30020803 for procurement of rough turned solid wheels to drg.no.T02514 is not used by ICF whereas 30020372 is in existence.
rem:	30024249	Rough turned wheels for MG coaches. ICF is not procuring these items whereas these may required by user Rly.
rem:	31010076	This PL Nos. for tyred wheels ICF is not procuring tyred wheels whereas these may be required for by railways
rem:	31010362	This PL Nos. for tyred wheels ICF is not procuring tyred wheels whereas these may be required by user railways
rem:	31027088	for BG EMU /DMU /MEMU Motor & Trailor Coaches in existence.
rem:	36010066	Kolkatta Metro for Trailer coaches
rem:	36010078	PL NO-36010078 is for 16T Kolkatta Metro coaches whereas ICF switched over to 18T for Kolkatta metro coaches and it is not presently used by ICF.
rem:	36010080	PL NO-36010080 is for Kolkatta Metro coaches manufactured by ICF long back and not in existence at ICF presently.
rem:	36020230	Kolkatta Metro Motor coaches