



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

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(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2061	BOGIE NO	RCF-236003	/ RCF-236004	DISPATCH DATE	31-JAN-23
2.	RAILWAY	NCR	TYPE OF COACH	LFACX	COACH NO	224904	
3.	BOOKED TO	SSE/C&W/PRYJ					
4.	Tare Weight of Coach	43.65 T					
5.	Carrying Capacity	Seating	24	Sleeping	24	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum length over Body	23700+10/-0				
	ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (for LWSCZDAC)				
	iii)	Maximum height from Rail Level	4250 (for LWACCN), 4039 (for LWACCW, LGS, LWSCN, LWSCZAC, LWFAC, LWCBC, LWLRRM), 4366 (for LWSCZDAC)				
						PP Side	NPP Side
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1100	1102	
	v)	CBC (Make)			FRONTIER	FRONTIER	
	vi)	CBC (No)			2407 160P2	2408 104P3	
	vii)	Buffer (Make)					
	viii)	Buffer (Height)					
7.	Air Brake Testing:	Description	Specified				
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:	Type of Paint	Make		Average Gloss Value		
	8.1	Paint	PU PAINT		GS	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Coach furnish by:	RCF	Vinyl Film Make:		EMPRISE MARKETTING, L		
10.	Underframe Make:	RCF	Side Wall Make:		RCF		
11.	Roof Make:	RCF					
12.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	MAGNUS				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	AMEEN JI, WRM				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	RAIL FAB, RAIL FAB, RAIL TECH				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	SEAT & BEARTH	VIBGYOR				
	10	BIO-TOILET	AMIT MOHALI, NOT APPLICABLE, AMIT MOHALI, AMIT MOHALI				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	ASPRATING SMOKE & FIRE DETECTON SYSTEM	J.K EXIM PVT LTD				
	13	ODOUR DISPENSER MAKE	ACME/DELHI				
	14	COMPARTMENT DOOR	BLNK				
	15	PRESSURIZE FLUSHING SYSTEM	SPAC, NOT APPLICABLE, SPAC, SPAC				
	16	FIBA DEVICE	TOP GRIP				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME	PUNJAB LAMINATE				



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ROLLING STOCK CERTIFICATE (LHB)

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	19	PARTITION FRAME TYPE	HONEY COMB
	20	PILLAR ASSLY LONGI SIDE	NOT APPLICABLE
	21	PILLAR ASSLY TRANSVERSE	NOT APPLICABLE
	22	COMPACT DUSTBIN	JSL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



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11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		2061	NCR	LFACX	224904	31-JAN-23

11.1 Wheel & Axle Details:									
i.	Bogie No.	RCF-236003				RCF-236004			
ii.	Frame No.	BEEKAY-39				RCF-AC-2934			
iii.	Bolster No.	NE-302				NE-334			
iv.	Axle No.	RWF - L5286		SAIL - 07877		SAIL - 05160		SAIL - 07617	
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plain side	Earthing end side	Phonic wheel side	Phonic wheel side	Plain side
vi.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	12811-2V34-TZ	10631-2T66-TZ	07843-2T40-TZ	53826-2R15-TZ	12813-2V16-TZ	58939-2SF9-TZ	69975-2V56-TZ	53280-2R58-TZ
viii.	RB Nos.	23088	28079	28420	28076	22954	24678	24445	28052
ix.	RB Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

11.2 Secondary suspension load deflection Values:				
Description	Lateral Damper Side	Non-Lat. Damper Side	Lateral Damper Side	Non-Lat. Damper Side
i. Make & Nos.	AVADH-120-22-11-10249	AVADH-120-22-11-10278	AVADH-120-22-11-10300	AVADH-120-22-11-10312

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-22-03	CMSTL-22-02
	ii.	Primary inner Spring	CMSTL-20-12	CMSTL-20-12
	iii.	Primary Damper	58338, 57910, 576940, 57377	58368, 57848, 57540, 57631
	iv.	Secondary Damper	13130, 13195	13171, 13535
	v.	Lateral Damper	8696	8465
	vi.	Brake cylinder & Caliper	B4389-213, B3379-213, B4392-213, B3377-213	B3036-213, B2095-213, B3031-213, B2097-213
	vii.	Brake Disc		KBI
	viii.	Contral arm top		RV
	ix.	Control arm bottom		RV
	x.	Top rubber Pad		SIH
	xi.	Vertical Bump Stop		SIH
	xii.	Ball Joint Control arm		SIH
	xiii.	Lateral Bump stop		SIH
	xiv.	Traction center make		RF
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		SIH
	xvii.	Traction center elastic		NAPL
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		CFPL
	xxi.	Ball joint roll link		SAI
	xxii.	Fork make		RF

11.4	i. Modification/Trail(if any):	NIL
	ii. Deviations (if any):	Deviations (If any): NIL

LFACX - 2061



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FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LFACX NCR	Shell No COUPLING TYPE	2061 CBC	COACH_NO DATE OF FITMENT	22490 28-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name NO GROUP DEFINED						
1	33642321-0, LED LIGHT FITTING(DOORWAY/GANGWAY AREA) FOR LHB EOG TYPE COACHES, as per Drawing/Specification : RDS	RDS0/PE/SPEC/TL/0091-2016,REV-1,AS PER DRG LW76099 ALT-B, TYPE-N (9 WATT), RCF, ANNEX-1,2&3.		RT VISION TECHNOLOGIES PVT. LTD.	NIL	
Group Name PP-SIDE						
2	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDS0	RDS0/2011/CG-04 REV.01 with amendment -1 (WITHOUT BRAKE DISC AND EMERGENCY BRAKE CABLE BOX NPZ 1-S OR PASSENGER EMERGENCY PILOT VALVE) AND Dy.CME/D2's LETTER NO. MD46131 DT. 11/06/2015		KNORR-BREMSE INDIA PVT LTD	3522252961	
3	33635080-2, PUMP CONTROLLER	EDTS186,REV-A,AM-2,COR-1&2 WITH ANNEX.1.		LIGHT ENGG. CORP.	R-315/05-22	
4	33635237-1, RMPU	SPECIAL NOTE:-BELLOW ARRANGEMENT FOR RETURN /SUPPLY/FRESH AIR DUCT AS PER RELEVANT RDS0/RCF DRG SHALL BE PREINSPECTED BY NOMINATED INSPECTION AGENCY FOR EACH LOT OF RMPU AT OEMs PREMISES OF BELLOW.		DAULAL RAM ENGG. SERVICES PVT. LTD.	22B1346	
5	33635237-1, RMPU	SPECIAL NOTE:-BELLOW ARRANGEMENT FOR RETURN /SUPPLY/FRESH AIR DUCT AS PER RELEVANT RDS0/RCF DRG SHALL BE PREINSPECTED BY NOMINATED INSPECTION AGENCY FOR EACH LOT OF RMPU AT OEMs PREMISES OF BELLOW.		DAULAL RAM ENGG. SERVICES PVT. LTD.	22B1374	
6	33640300-1, PA SYSTEM	EDTS173,REV-B,COR-2,TYPE-V.		AHUJA BY PUNJAB RADIOS	5197548	
7	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDS0/PE/SPEC/AC/0183-2018,REV-1.		PI ENGINEERING WORKS	22071759	
8	33641936-1, SWITCH BOARD CABINET	RDS0/PE/SPEC/AC/0184-2015,REV-I,WITH RDS0 L.NO.-EL/7.1.108/SBC/MAIN,DATED 7/1/2022.		MODERN RAIL EQUIPMENT MANUFACTURES PVT. LTD,	22/10/0091	



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FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LFACX NCR	Shell No COUPLING TYPE	2061 CBC	COACH_NO DATE OF FITMENT	22490 28-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name PP-SIDE						
9	33641936-2, DISCONNECTING & EARTHING DEVICE	RDSO/PE/SPEC/AC/0184- 2015,REV-I,WITH RDSO L.NO.- EL/7.1.108/SBC/MAIN,DATED 7/1/2022.		MODERN RAIL EQUIPMENT MANUFACTURES PVT. LTD,	SCHALTBAU	
Group Name NON-PP SIDE						
10	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIAL NOTE:-BELLOW ARRANGEMENT FOR RETURN /SUPPLY/FRESH AIR DUCT AS PER RELEVANT RDSO/RCF DRG SHALL BE PREINSPECTED BY NOMINATED INSPECTION AGENCY FOR EACH LOT OF RMPU AT OEMs PREMISES OF BELLOW.		DAULAL RAM ENGG. SERVICES PVT. LTD.	SA22092741	
Group Name BOGIE PP SIDE						
11	33635067-1, BOGIE 1	EDTS101,REV-C,AM-2,COR-7.RCF ANNEXURE 1		DARSHAN ENTERPRISES	236003	
Group Name BOGIE NPP SIDE						
12	33635067-2, BOGIE 2	EDTS101,REV-C,AM-2,COR-7.RCF ANNEXURE 1		DARSHAN ENTERPRISES	236004	
Group Name UNDER FRAME						
13	33635080-1, PUMP	EDTS186,REV-A,AM-2,COR-1&2 WITH ANNEX.1.		LIGHT ENGG.CORP	R-575/06-22	
14	33635183-0, 60KVA TRANSFORMER, as per Drawing/Specification : RDSO/PE/SPEC/AC/0080- 2007,(REV-2), Packing Instru	RDSO/PE/SPEC/AC/0080- 2007,(REV-2)		VIMAL TRANSFORMER CORPORATION	VTC-4251	
15	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366,REV-N	EDTS366,REV-Nil,COR-2.		VIMAL TRANSFORMER	VTC-3560	
16	33640178-0, BATTERY FUSE BOX -VE, as per Drawing/Specification: LW71002,ALT-J., Packing Instruction: SUITABLY CO	LW71002,ALT-J.		BHASIN PACKARD ELECTRONICS (PVT) LTD.	07222689	
17	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001,ALT-I., Packing Instruction: SUITABLY CO	LW71001,ALT-I.		UPS INTERNATIONA L	2209284	



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FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LFACX NCR	Shell No COUPLING TYPE	2061 CBC	COACH_NO DATE OF FITMENT	22490 28-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	33641729-0, 70AH,110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDS0/PE/SPEC/AC/0009- 2014,REV-2,PRECHARGED.		AMARA RAJA BATTERIES LTD.	09-22	
19	33650184-0, BATTERY BOX MOUNTING, as per Drawing : 1 10113.0.76.700.005 EXCEPT ITEM NO. 5, 22, 23, 25 TO 27 ALT.	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'CR' AND SKED-383 IN DRG.NO. 3 10113.0.76.700.117		MEENAKASHI ENGG. WORKS	NIL	
Group Name COMPARTMENT						
20	33640300-2, SPEAKERS	EDTS173,REV-B,COR-2,TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
21	33642102-0, EMERGENCY LIGHTING SYSTEM FOR EOG TYPE LHB COACHES, as per Drawing/spec: RDS0/PE/SPEC/AC/0180- 2016,R	RDS0/PE/SPEC/AC/0180- 2016,REV-0,TYPE-2.		FIEM INDUSTRIES LTD.	NIL	
22	33642448-0, LED LIGHT FITTING WITH NIGHT LIGHT (CORRIDOR AREA) FOR LHB AC COACHES, as per Drawing/Specification:	RDS0/PE/SPEC/TL/0091- 2016,REV-1 AS PER DRG LW76091,ALT-B,TYPE-"M" (9 WATT+1 WATT), RCF, ANNEX- 1,2&3		RT VISION TECHNOLOGY PVT LTD	NIL	
23	33642450-0, LED LIGHT FITTING FOR PASSANGER AREA (CABIN) FOR LHB AC TYPE COACHES, as per Drawing/Specification:	RDS0/PE/SPEC/TL/0091- 2016,REV-1 AS PER DRG LW76090,ALT-B,TYPE-"L" (18 WATT), RCF, ANNEX-1,2&3		DHINGRA ENGINEERING WORKS	NIL	
Group Name UNDER FRAME PP SIDE						
24	33640154-1, UNDERFRAME PP SIDE HIGH CAPACITY IVC COUPLER 500A	RDS0/PE/SPEC/AC/0177- 2013,Rev-1 WITH RCF ANNEX.A.		MAA LAXMI INDUSTRIES	NIL	
25	33640580-1, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-7,TYPE-2.		INDO RAIL ENGINEERING SYSTEMS PVT. LTD.	NIL	
26	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130,TYPE-1,REV-1,COR-5.		UPS INTERNATIONA L	2208013	
Group Name UNDER FRAME NPP SIDE						
27	33640154-2, UNDERFRAME NPP SIDE HIGH CAPACITY IVC COUPLER 500A	RDS0/PE/SPEC/AC/0177- 2013,Rev-1 WITH RCF ANNEX.A.		MAA LAXMI INDUSTRIES	NIL	



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FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LFACX NCR	Shell No COUPLING TYPE	2061 CBC	COACH_NO DATE OF FITMENT	22490 28-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name UNDER FRAME NPP SIDE						
28	33640580-2, FEEDR JUNCTION BOX	EDTS328.Rev-C, AM-7, TYPE-2.			ELECTRO WAVES	NIL
SSE/EL/QC			AME/WM QC/DY CQM I			



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(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2073	BOGIE NO	RCF-236083	/ RCF-236084	DISPATCH DATE	31-JAN-23
2.	RAILWAY	NCR	TYPE OF COACH	LFACX	COACH NO		224903
3.	BOOKED TO	SSE/C&W/PRYJ					
4.	Tare Weight of Coach	43.65 T					
5.	Carrying Capacity	Seating	24	Sleeping	24	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum length over Body		23700+10/-0			
	ii)	Maximum width over Body		3240-8/+0 mm, 3050 mm (for LWSCZDAC)			
	iii)	Maximum height from Rail Level		4250 (for LWACCN), 4039 (for LWACCW, LGS, LWSCN, LWSCZAC, LWFAC, LWCBC, LWLRRM), 4366 (for LWSCZDAC)			
				PP Side		NPP Side	
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1097	1100	
	v)	CBC (Make)			NWFP	NWFP	
	vi)	CBC (No)			667 7P4	668 108P4	
	vii)	Buffer (Make)					
	viii)	Buffer (Height)					
7.	Air Brake Testing:	Description		Specified			
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:	Type of Paint		Make	Average Gloss Value		
	8.1	Paint	PU PAINT	GS	85 / 85		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Coach furnish by:	RCF	Vinyl Film Make:		EMPRISE MARKETTING, L		
10.	Underframe Make:	RCF	Side Wall Make:		RCF		
11.	Roof Make:	RCF					
12.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	MAGNUS				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	AMEEN JI				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	RAIL FAB, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	SEAT & BEARTH	VIBGYOR				
	10	BIO-TOILET	AMIT MOHALI, NOT APPLICABLE, AMIT MOHALI, AMIT MOHALI				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	12	ASPRATING SMOKE & FIRE DETECTON SYSTEM	J.K EXIM PVT LTD				
	13	ODOUR DISPENSER MAKE	ACME/DELHI				
	14	COMPARTMENT DOOR	BLNK				
	15	PRESSURIZE FLUSHING SYSTEM	CEMCON, NOT APPLICABLE, CEMCON, CEMCON				
	16	FIBA DEVICE	TOP GRIP				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME	RAIL TECH				



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	19	PARTITION FRAME TYPE	HONEY COMB
	20	PILLAR ASSLY LONGI SIDE	NOT APPLICABLE
	21	PILLAR ASSLY TRANSVERSE	NOT APPLICABLE
	22	COMPACT DUSTBIN	JSL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			2073		NCR		LFACX		224903		31-JAN-23	
11.1 <u>Wheel & Axle Details:</u>												
	i.	Bogie No.	RCF-236083				RCF-236084					
	ii.	Frame No.	SCI-FM-5219				SCI-FM-5230					
	iii.	Bolster No.	KUTEER-023				KUTEER-026					
	iv.	Axle No.	SAIL - L7295		SAIL - 07269		SAIL - 07641		SAIL - 06110			
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plain side	Earthing end side	Phonic wheel side	Phonic wheel side	Plain side		
	vi.	Wheel Dia.	917.00	917.00	917.00	917.00	918.00	917.50	917.00	917.00		
	vii.	Wheel Disc No.	08423-2T19-TZ	70125-2V41-TZ	67177-2S81-TZ	09718-2V26-TZ	18162-2S68-TZ	16565-2V19-TZ	16566-2V19-TZ	16722-2S75-TZ		
	viii.	RB Nos.	3200813	5202513	13398	13736	10914	15424	25189	10927		
	ix.	RB Make	SKF		SKF		SKF		SKF			
	x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2 <u>Secondary suspension load deflection Values:</u>												
Description			Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side			
i.	Make & Nos.		TAYAL-120-22-12-5604		TAYAL-120-22-12-5605		TAYAL-120-22-12-5648		TAYAL-120-22-12-5634			
<u>Items traceability:</u>												
11.3												
	Sno.	Item								Make		
	i.	Primary Outer Spring			CMSTL-20-12		CMSTL-22-10			CMSTL		
	ii.	Primary inner Spring			CMSTL-20-12		CMSTL-20-12			CMSTL		
	iii.	Primary Damper			4598, 4599, 8571, 4620		4793, 4796, 4795, 4797			GABRIEL		
	iv.	Secondary Damper			13574, 12462		2408, 12739			SABOHEMA		
	v.	Lateral Damper			8437		6887			ESCORTS		
	vi.	Brake cylinder & Caliper			0482-600,0754-600, 0410-600,0757-600		0311-600,0773-600, 0328-600,0766-600			FTI		
	vii.	Brake Disc								KBI		
	viii.	Contral arm top								SARITA		
	ix.	Control arm bottom								SARITA		
	x.	Top rubber Pad								SIH		
	xi.	Vertical Bump Stop								SIH	SI	
	xii.	Ball Joint Control arm								NAPL		
	xiii.	Lateral Bump stop								SIH		
	xiv.	Traction center make								RNG		
	xv.	Traction lever make								JI		
	xvi.	Ball joint traction lever								SIH		
	xvii.	Traction center elastic								SIH		
	xviii.	Secondary rubber pad								NA		
	xix.	Rubber spring								NA		
	xx.	Anti roll bar make								CFPL		
	xxi.	Ball joint roll link								SAI		
	xxii.	Fork make								RF	FS	
11.4												
	i.	Modification/Trail(if any):			NIL							
	ii.	Deviations (if any):			Deviations (If any): NIL							

LFACX - 2073



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FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LFACX NCR	Shell No COUPLING TYPE	2073 CBC	COACH_NO DATE OF FITMENT	22490 27-JAN-23
S. No.	PL No & Item Description		Drawing No		Make	Item Sr.No. (if any)
Group Name NO GROUP DEFINED						
1	33642321-0, LED LIGHT FITTING(DOORWAY/GANGWAY AREA) FOR LHB EOG TYPE COACHES, as per Drawing/Specifcation : RDS		RDS0/PE/SPEC/TL/0091-2016,REV-1,AS PER DRG LW76099 ALT-B, TYPE-N (9 WATT), RCF, ANNEX-1,2&3.		INTEG ELECTRONICS	NIL
Group Name PP-SIDE						
2	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDS0		RDS0/2011/CG-04 REV.01 with amendment -1 (WITHOUT BRAKE DISC AND EMERGENCY BRAKE CABLE BOX NPZ 1-S OR PASSENGER EMERGENCY PILOT VALVE) AND Dy.CME/D2's LETTER NO. MD46131 DT. 11/06/2015		FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	I-8440
3	33635080-2, PUMP CONTROLLER		EDTS186,REV-A,AM-2,COR-1&2 WITH ANNEX.1.		LIGHT ENGG. CORP.	R-830/08-22
4	33635237-1, RMPU		SPECIAL NOTE:-BELLOW ARRANGEMENT FOR RETURN /SUPPLY/FRESH AIR DUCT AS PER RELEVANT RDS0/RCF DRG SHALL BE PREINSPECTED BY NOMINATED INSPECTION AGENCY FOR EACH LOT OF RMPU AT OEMs PREMISES OF BELLOW.		DAULAL RAM ENGG. SERVICES PVT. LTD.	1434
5	33635237-1, RMPU		SPECIAL NOTE:-BELLOW ARRANGEMENT FOR RETURN /SUPPLY/FRESH AIR DUCT AS PER RELEVANT RDS0/RCF DRG SHALL BE PREINSPECTED BY NOMINATED INSPECTION AGENCY FOR EACH LOT OF RMPU AT OEMs PREMISES OF BELLOW.		DAULAL RAM ENGG. SERVICES PVT. LTD.	1443
6	33640300-1, PA SYSTEM		EDTS173,REV-B,COR-2,TYPE-V.		AHUJA BY PUNJAB RADIOS	4795147
7	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as		RDS0/PE/SPEC/AC/0183-2018,REV-1.		PI ENGINEERING WORKS	22071747
8	33641936-1, SWITCH BOARD CABINET		RDS0/PE/SPEC/AC/0184-2015,REV-I,WITH RDS0 L.NO.-EL/7.1.108/SBC/MAIN,DATED 7/1/2022.		MODERN RAIL EQUIPMENT MANUFACTURES PVT. LTD,	22-11-100



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

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FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LFACX NCR	Shell No COUPLING TYPE	2073 CBC	COACH_NO DATE OF FITMENT	22490 27-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name PP-SIDE						
9	33641936-2, DISCONNECTING & EARTHING DEVICE	RDSO/PE/SPEC/AC/0184- 2015,REV-I,WITH RDSO L.NO.- EL/7.1.108/SBC/MAIN,DATED 7/1/2022.		MODERN RAIL EQUIPMENT MANUFACTURES PVT. LTD,	SCHALTBAU	
Group Name NON-PP SIDE						
10	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIAL NOTE:-BELLOW ARRANGEMENT FOR RETURN /SUPPLY/FRESH AIR DUCT AS PER RELEVANT RDSO/RCF DRG SHALL BE PREINSPECTED BY NOMINATED INSPECTION AGENCY FOR EACH LOT OF RMPU AT OEMS PREMISES OF BELLOW.		DAULAL RAM ENGG. SERVICES PVT. LTD.	SA22092744	
Group Name BOGIE PP SIDE						
11	33635067-1, BOGIE 1	EDTS101,REV-C,AM-2,COR-7.RCF ANNEXURE 1		DARSHAN ENTERPRISES	236083	
Group Name BOGIE NPP SIDE						
12	33635067-2, BOGIE 2	EDTS101,REV-C,AM-2,COR-7.RCF ANNEXURE 1		DARSHAN ENTERPRISES	236084	
Group Name UNDER FRAME						
13	33635080-1, PUMP	EDTS186,REV-A,AM-2,COR-1&2 WITH ANNEX.1.		LIGHT ENGG.CORP	R-606/06-22	
14	33635183-0, 60KVA TRANSFORMER, as per Drawing/Specification : RDSO/PE/SPEC/AC/0080- 2007,(REV-2), Packing Instru	RDSO/PE/SPEC/AC/0080- 2007,(REV-2)		VIMAL TRANSFORMER CORPORATION	VTC-4246	
15	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366,REV-N	EDTS366,REV-Nil,COR-2.		VIMAL TRANSFORMER	VTC-3566	
16	33640178-0, BATTERY FUSE BOX -VE, as per Drawing/Specification: LW71002,ALT-J., Packing Instruction: SUITABLY CO	LW71002,ALT-J.		BHASIN PACKARD ELECTRONICS (PVT) LTD.	07222685	
17	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001,ALT-I., Packing Instruction: SUITABLY CO	LW71001,ALT-I.		UPS INTERNATIONA L	2209068	



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ROLLING STOCK CERTIFICATE (LHB)

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FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LFACX NCR	Shell No COUPLING TYPE	2073 CBC	COACH_NO DATE OF FITMENT	22490 27-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	33641729-0, 70AH,110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDS0/PE/SPEC/AC/0009- 2014,REV-2,PRECHARGED.		AMARA RAJA BATTERIES LTD.	09-22	
19	33650184-0, BATTERY BOX MOUNTING, as per Drawing : 1 10113.0.76.700.005 EXCEPT ITEM NO. 5, 22, 23, 25 TO 27 ALT.	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'CR' AND SKED-383 IN DRG.NO. 3 10113.0.76.700.117		GOPAL ENGINEERING WORKS	NIL	
Group Name COMPARTMENT						
20	33640300-2, SPEAKERS	EDTS173,REV-B,COR-2,TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
21	33642102-0, EMERGENCY LIGHTING SYSTEM FOR EOG TYPE LHB COACHES, as per Drawing/spec: RDS0/PE/SPEC/AC/0180- 2016,R	RDS0/PE/SPEC/AC/0180- 2016,REV-0,TYPE-2.		FIEM INDUSTRIES LTD.	NIL	
22	33642448-0, LED LIGHT FITTING WITH NIGHT LIGHT (CORRIDOR AREA) FOR LHB AC COACHES, as per Drawing/Specification:	RDS0/PE/SPEC/TL/0091- 2016,REV-1 AS PER DRG LW76091,ALT-B,TYPE-"M" (9 WATT+1 WATT), RCF, ANNEX- 1,2&3		FRONTLINE	NIL	
23	33642450-0, LED LIGHT FITTING FOR PASSANGER AREA (CABIN) FOR LHB AC TYPE COACHES, as per Drawing/Specification:	RDS0/PE/SPEC/TL/0091- 2016,REV-1 AS PER DRG LW76090,ALT-B,TYPE-"L" (18 WATT), RCF, ANNEX-1,2&3		DHINGRA ENGINEERING WORKS	NIL	
Group Name UNDER FRAME PP SIDE						
24	33640154-1, UNDERFRAME PP SIDE HIGH CAPACITY IVC COUPLER 500A	RDS0/PE/SPEC/AC/0177- 2013,Rev-1 WITH RCF ANNEX.A.		MAA LAXMI INDUSTRIES	NIL	
25	33640580-1, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-7,TYPE-2.		INDO RAIL ENGINEERING SYSTEMS PVT. LTD.	NIL	
26	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130,TYPE-1,REV-1,COR-5.		UPS INTERNATIONA L	2208174	
Group Name UNDER FRAME NPP SIDE						
27	33640154-2, UNDERFRAME NPP SIDE HIGH CAPACITY IVC COUPLER 500A	RDS0/PE/SPEC/AC/0177- 2013,Rev-1 WITH RCF ANNEX.A.		MAA LAXMI INDUSTRIES	NIL	



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ROLLING STOCK CERTIFICATE (LHB)

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FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB 1ST AC AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LFACX NCR	Shell No COUPLING TYPE	2073 CBC	COACH_NO DATE OF FITMENT	22490 27-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name UNDER FRAME NPP SIDE						
28	33640580-2, FEEDR JUNCTION BOX	EDTS328.Rev-C, AM-7, TYPE-2.			RSI SWITCHGEAR PVT.LTD	NIL
SSE/EL/QC			AME/WM QC/DY CQM I			