



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 1 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2236	BOGIE NO	RCF-236141	/ RCF-236142	DISPATCH DATE	24-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX	COACH NO	227773	
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare Weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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		1102	1100	
	v)	CBC (Make)			FRONTIER	FRONTIER	
	vi)	CBC (No)			2553 209P4	2554 45P3	
	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	SHIVALIK, SHIVALIK, RAIL FAB, RAIL TECH				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	SEAT & BEARTH	TWPL				
	10	BIO-TOILET	OASIS, OASIS, OASIS, OASIS				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	12	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	13	ODOUR DISPENSER MAKE	ACME/DELHI				
	14	COMPARTMENT DOOR	BLNK				
	15	PRESSURIZE FLUSHING SYSTEM	SPAC, SPAC, SPAC, SPAC				
	16	COMPACT DUSTBIN	JSL				
	17	FIBA DEVICE	ESCORTS				
	18	YAW DAMPER	ESCORTS				
	19	PARTITION FRAME TYPE	HONEY COMB				



भारतीय रेलवे
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

	20	PARTITION FRAME	MILTON INDUSTRIES LT
	21	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	22	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 3 of 49

QMF 9829, VER:1.00

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			2236	ER		LACCWX		227773		24-JAN-23	
11.1	Wheel & Axle Details:										
i.	Bogie No.	RCF-236141				RCF-236142					
ii.	Frame No.	ECBT-3432				ECBT-3346					
iii.	Bolster No.	AMIT-669				KUTEER-006					
iv.	Axle No.	SAIL - 02349		SAIL - 02191		SAIL - 07751		SAIL - 07729			
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.	12161-2V21-TZ	10516-2V26-TZ	12162-2V21-TZ	17370-2V57-TZ	08548-2T18-TZ	08565-2T51-TZ	10258-2T81-TZ	12761-2T34-TZ		
viii.	RB Nos.	15896	18244	24111	24120	17282	15479	24177	10068		
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.	TAYAL-120-22-12-5788		TAYAL-120-22-12-5780		TAYAL-120-22-12-5608		TAYAL-120-22-12-5637			
Items traceability:											
11.3	Sno.	Item							Make		
i.	Primary Outer Spring	CMSTL-22-10			CMSTL-22-10			CMSTL			
ii.	Primary inner Spring	CMSTL-22-05			CMSTL-22-05			CMSTL			
iii.	Primary Damper	8393, 8382, 8395, 8392			8389, 8390, 8394, 8405			GABRIEL			
iv.	Secondary Damper	12943, 12822			13079, 13549			SABOHEMA			
v.	Lateral Damper	7173			7153			ESCORTS			
vi.	Brake cylinder & Caliper	F21352-600,F21287-600, F21355-600,F21270-600			0035-600,0441-600, 0153-600,0143-600			FTI			
vii.	Brake Disc							KBI			
viii.	Control arm top							SFL			
ix.	Control arm bottom							SF			
x.	Top rubber Pad							SIH			
xi.	Vertical Bump Stop							SIH			
xii.	Ball Joint Control arm							SIH	NAPL		
xiii.	Lateral Bump stop							NAPL	SIH		
xiv.	Traction center make							EMSON	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							EMSON	RF		
11.4	i.	Modification/Trail(if any):		NIL							
	ii.	Deviations (if any):		Deviations (If any): NIL							

LACCWX - 2236



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 4 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2236 CBC	COACH_NO DATE OF FITMENT	22777 23-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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-8416	
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.		LIGHT ENGG CORP	R-614/06-22	
3	33635237-1, RMPU	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.	1430	
4	33635237-1, RMPU	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.	1454	
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA (PUNJAB RADIO)	5197444	
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183- 2018, REV-1.		HITACHI-HI- REL POWER ELECTRONICS PVT	10/22/4080	
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184- 2015, REV-I, WITH RDSO L.NO.- EL/7.1.108/SBC/MAIN, DATED 7/1/2022.		INTERNATIONA L SWITCHGEARS	22/10/0211	
8	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.		INTERNATIONA L SWITCHGEARS PVT. LTD.	SCHALTBAU	
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 5 of 49

FOR ELECTRICAL ITEMS					QEF 0650 VER 1.0	
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2236 CBC	COACH_NO DATE OF FITMENT	22777 23-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22062471
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	226141
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	226142
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-688/08-22
13	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-4245
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3839
15	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.	07222644
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209022
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			EXIDE INDUSTRIES	10/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 6 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2236 CBC	COACH_NO DATE OF FITMENT	22777 23-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	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 ENG. WORKS	NIL	
Group Name COMPARTMENT						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
20	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	
21	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	
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		INTEG ELECTRONICS	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 INTERNATIONAL	22-08-081	
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	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 7 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2236 CBC	COACH_NO DATE OF FITMENT	22777 23-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.		INDO RAIL ENGINEERING SYSTEMS PVT. LTD.	NIL
SSE/EL/QC			AME/WM QC/DY CQM I			



Rail Coach Factory, Kapurthala
ROLLING STOCK CERTIFICATE (LHB)

Page 8 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2256	BOGIE NO	RCF-236131	/ RCF-236132	DISPATCH DATE	25-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX	COACH NO	227774	
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare Weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)			
				PP Side		NPP Side	
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1102	1105	
	v)	CBC (Make)			NWFP	NWFP	
	vi)	CBC (No)			707 11	708 08	
	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	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	WRM				
	4	BODY SIDE DOOR	KALSI				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	SHIVALIK, SHIVALIK, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	SEAT & BEARTH	TWPL				
	10	BIO-TOILET	AMIT MOHALI, AMIT MOHALI, AMIT MOHALI, AMIT MOHALI				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	13	ODOUR DISPENSER MAKE	ACME/DELHI				
	14	COMPARTMENT DOOR	BLNK				
	15	PRESSURIZE FLUSHING SYSTEM	SPAC, SPAC, SPAC, SPAC				
	16	COMPACT DUSTBIN	JSL				
	17	FIBA DEVICE	TOP GRIP				
	18	YAW DAMPER	ESCORTS				



आयुर्वेद प्रणाली
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 9 of 49

	19	PARTITION FRAME TYPE	HONEY COMB
	20	PARTITION FRAME	MILTON INDUSTRIES LT
	21	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	22	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 10 of 49

QMF 9829, VER:1.00

11.	Bogie Details:		Shell No.	Railway		Type		Coach No.		Dispatch Date	
			2256	ER		LACCWX		227774		25-JAN-23	
11.1	Wheel & Axle Details:										
i.	Bogie No.	RCF-236131				RCF-236132					
ii.	Frame No.	RAIL TECH-1964				SCI-FM-5224					
iii.	Bolster No.	KUTEER-037				RCF-BI-5803					
iv.	Axle No.	SAIL - L7323		SAIL - L7543		SAIL - 06267		SAIL - L6559			
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.	09720-2V26-TZ	65980-2T65-TZ	65981-2T65-TZ	69878-2V56-TZ	62219-2T16-TZ	62697-2V19-TZ	18814-2T67-TZ	13219-2T80-TZ		
viii.	RB Nos.	15451	28641	28639	28104	43510	15568	28643	43516		
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.	TAYAL-120-22-12-5787		TAYAL-120-22-12-5693		TAYAL-120-22-12-5642		TAYAL-120-22-12-5653			
Items traceability:											
11.3	Sno.	Item							Make		
i.	Primary Outer Spring	CMSTL-22-01			CMSTL-22-10			CMSTL			
ii.	Primary inner Spring	CMSTL-22-05			CMSTL-22-04			CMSTL			
iii.	Primary Damper	8351, 8347, 8355, 8356			8341, 8361, 8342, 8362			GABRIEL			
iv.	Secondary Damper	13245, 12643			13568, 13409			SABOHEMA			
v.	Lateral Damper	7074			7069			ESCORTS			
vi.	Brake cylinder & Caliper	B8664-213, B7497-213, B8719-213, B7474-213			B8670-213, B7498-213, B8698-213, B7475-213			KBI			
vii.	Brake Disc							KBI	FTI		
viii.	Control arm top							SF			
ix.	Control arm bottom							SF			
x.	Top rubber Pad							NAPL	SIH		
xi.	Vertical Bump Stop							NAPL	SI		
xii.	Ball Joint Control arm							NAPL			
xiii.	Lateral Bump stop							NAPL	SIH		
xiv.	Traction center make							RNG			
xv.	Traction lever make							JI			
xvi.	Ball joint traction lever							SIH	NAPL		
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							EMSON			
11.4	i.	Modification/Trail(if any):		NIL							
	ii.	Deviations (if any):		Deviations (If any): NIL							

LACCWX - 2256



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 11 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW X ER	Shell No COUPLING TYPE	2256 CBC	COACH_NO DATE OF FITMENT	22777 24-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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	3522283075
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP	R-790/09-22
3	33635237-1, RMPU	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.	1326
4	33635237-1, RMPU	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.	1338
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.			AHUJA (PUNJAB RADIO)	5176778
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183-2018, REV-1.			HITACHI-HI-REL POWER ELECTRONICS PVT	10/22/4054
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184-2015, REV-I, WITH RDSO L.NO.-EL/7.1.108/SBC/MAIN, DATED 7/1/2022.			RAMYAA ELECTROGEAR	2211-117-50
8	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.			RAMYAA ELECTROGEAR	SCHALTBAU
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 12 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2256 CBC	COACH_NO DATE OF FITMENT	22777 24-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22092717
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236131
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236132
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-654/03-22
13	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-4363
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3873
15	33640178-0, BATTERY FUSE BOX -VE, as per Drawing/Specification: LW71002, ALT-J., Packing Instruction: SUITABLY CO	LW71002, ALT-J.			UPS INTERNATIONA L	2209191
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209176
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			AMARA RAJA BATTERIES LTD.	09/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 13 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2256 CBC	COACH_NO DATE OF FITMENT	22777 24-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	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						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
20	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	
21	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	
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.		RSI SWITCHGEAR PVT. LTD	NIL	
26	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TYPE-1, REV-1, COR-5.		UPS INTERNATIONAL	22/08/053	
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	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 14 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW X ER	Shell No COUPLING TYPE	2256 CBC	COACH_NO DATE OF FITMENT	22777 24-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			



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 15 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2259	BOGIE NO	RCF-236155	/ RCF-236156	DISPATCH DATE	25-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX	COACH NO	227775	
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare Weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)			
				PP Side		NPP Side	
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	v)	CBC (Make)			NWFP	NWFP	
	vi)	CBC (No)			696 25	695 26	
	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	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	WRM				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	SHIVALIK, SHIVALIK, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	BIO-TOILET	AMIT MOHALI, AMIT MOHALI, AMIT MOHALI, AMIT MOHALI				
	10	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	11	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	12	ODOUR DISPENSER MAKE	ACME/DELHI				
	13	COMPARTMENT DOOR	BLNK				
	14	PRESSURIZE FLUSHING SYSTEM	SPAC, SPAC, SPAC, SPAC				
	15	COMPACT DUSTBIN	JSL				
	16	FIBA DEVICE	TOP GRIP				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME TYPE	HONEY COMB				



रैल कोच फैक्ट्री, कपूरथला
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 16 of 49

	19	PARTITION FRAME	MILTON INDUSTRIES LT
	20	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	21	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
	22	SEAT & BEARTH	TWPL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 17 of 49

QMF 9829, VER:1.00

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			2259		ER		LACCWX		227775		25-JAN-23	
11.1 Wheel & Axle Details:												
i.	Bogie No.	RCF-236155						RCF-236156				
ii.	Frame No.	RAIL TECH-1959						SCI-FM-5209				
iii.	Bolster No.	NE-387						KUTEER-25				
iv.	Axle No.	SAIL - 07713			SAIL - 07958			SAIL - 07734			SAIL - 06089	
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	917.00	917.00	
vii.	Wheel Disc No.	14147-2T56-TZ	10342-2T84-TZ	09522-2T44-TZ	12740-2T77-TZ	11019-2T66-TZ	09940-2T40-TZ	58214-2SF8-TZ	66368-2V38-TZ			
viii.	RB Nos.	28729	24126	28658	28625	28725	29114	24128	28722			
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.	TAYAL-120-22-12-5779			TAYAL-120-22-12-5752			TAYAL-120-22-12-5750			TAYAL-120-22-12-5767	
Items traceability:												
11.3												
Sno.	Item										Make	
i.	Primary Outer Spring			CMSTL-22-10			CMSTL-22-01			CMSTL		
ii.	Primary inner Spring			CMSTL-22-05			CMSTL-22-03			CMSTL		
iii.	Primary Damper			7793, 7794, 7795, 7805			7820, 7800, 7807, 7811			GABRIEL		
iv.	Secondary Damper			12285, 13132			13119, 12487			SABOHEMA		
v.	Lateral Damper			6885			6815			ESCORTS		
vi.	Brake cylinder & Caliper			D21799-600,D211015-600, D21765-600,D211013-6			0250-600,0332-600, 0331-600,0324-600			FTI		
vii.	Brake Disc									KBI		
viii.	Control arm top									SFL	RV	
ix.	Control arm bottom									SF	RV	
x.	Top rubber Pad									NAPL	SIH	
xi.	Vertical Bump Stop									NAPL		
xii.	Ball Joint Control arm									NAPL	SIH	
xiii.	Lateral Bump stop									NAPL	SIH	
xiv.	Traction center make									RNG		
xv.	Traction lever make									JI		
xvi.	Ball joint traction lever									NAPL	SIH	
xvii.	Traction center elastic									SIH		
xviii.	Secondary rubber pad									NA		
xix.	Rubber spring									NA		
xx.	Anti roll bar make									CFPL	EMSON	
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								

LACCWX - 2259



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 18 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2259 CBC	COACH_NO DATE OF FITMENT	22777 24-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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-8432/11- 22	
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.		LIGHT ENGG CORP	R-787/09-22	
3	33635237-1, RMPU	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.	22B1442	
4	33635237-1, RMPU	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.	22B1438	
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA (PUNJAB RADIO)	4795126	
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183- 2018, REV-1.		PI ENGINEERING WORKS	22071728	
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184- 2015, REV-I, WITH RDSO L.NO. - EL/7.1.108/SBC/MAIN, DATED 7/1/2022.		RAMYAA ELECTROGEAR	2211-117-59	
8	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.		RAMYAA ELECTROGEAR	SCHALTBAU	
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 19 of 49

FOR ELECTRICAL ITEMS					QE 0650 VER 1.0	
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2259 CBC	COACH_NO DATE OF FITMENT	22777 24-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22052331
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236155
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236156
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-822/08-22
13	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-4227
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3567
15	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.	07222676
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209262
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			EXIDE INDUSTRIES	10/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 20 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2259 CBC	COACH_NO DATE OF FITMENT	22777 24-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	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 ENG. WORKS	NIL	
Group Name COMPARTMENT						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
20	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	
21	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	
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.		RSI SWITCHGEAR PVT. LTD	NIL	
26	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TYPE-1, REV-1, COR-5.		UPS INTERNATIONA L	22/08/011	
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	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 21 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW XER	Shell No COUPLING TYPE	2259 CBC	COACH_NO DATE OF FITMENT	22777 24-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.		SIDWAL REFRIGERATIO N INDUSTRIES PVT. LTD	NIL
SSE/EL/QC			AME/WM QC/DY CQM I			



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 22 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2265	BOGIE NO	RCF-236135	/ RCF-236136	DISPATCH DATE	27-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX	COACH NO		227778
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare Weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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, LWCBCAC, LWLRRM), 4366 (for LWSCZDAC)			
						PP Side	NPP Side
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	v)	CBC (Make)			SANROK	SANROK	
	vi)	CBC (No)			2610-2692	2624-2653	
	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	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	WRM				
	4	BODY SIDE DOOR	KALSI				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	SHIVALIK, SHIVALIK, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	CMT				
	8	LAVATORY DOORS	CMT				
	9	BIO-TOILET	OASIS, OASIS, OASIS, OASIS				
	10	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	11	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	12	ODOUR DISPENSER MAKE	ACME/DELHI				
	13	COMPARTMENT DOOR	BLNK				
	14	PRESSURIZE FLUSHING SYSTEM	SPAC, SPAC, SPAC, SPAC				
	15	COMPACT DUSTBIN	CMT				
	16	FIBA DEVICE	ESCORTS				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME TYPE	HONEY COMB				
	19	PARTITION FRAME	MILTON INDUSTRIES LT				



भारतीय रेलवे कारखाना
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 23 of 49

	20	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	21	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
	22	SEAT & BEARTH	TWPL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 24 of 49

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		2265	ER	LACCWX	227778	27-JAN-23

11.1 Wheel & Axle Details:									
i.	Bogie No.	RCF-236135				RCF-236136			
ii.	Frame No.	SCI-FM-5203				RKFL-305			
iii.	Bolster No.	SHIVALIK-334				RCF-PP-5716			
iv.	Axle No.	SAIL - L7340		SAIL - 07634		SAIL - 07412		SAIL - L6526	
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.	18799-2T67-TZ	13691-2V40-TZ	10360-2V20-TZ	70113-2V41-TZ	17479-2V57-TZ	17542-2V14-TZ	67091-2S81-TZ	19538-2V28-TZ
viii.	RB Nos.	3201057	3201067	3200891	5202431	5202566	5202262	5202562	5202581
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-120-22-12-10545	AVADH-120-22-12-10547	AVADH-120-22-12-10480	AVADH-120-22-12-10536

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-22-10	CMSTL-22-03
	ii.	Primary inner Spring	CMSTL-22-05	CMSTL-22-05
	iii.	Primary Damper	8372, 8381, 8374, 8369	8359, 8368, 8354, 8379
	iv.	Secondary Damper	12123, 12382	13094, 12222
	v.	Lateral Damper	6855	7177
	vi.	Brake cylinder & Caliper	0655-600,0874-600, 0576-600,0894-600	0632-600,0945-600, 0628-600,0873-600
	vii.	Brake Disc		KBI
	viii.	Contral arm top		SF
	ix.	Control arm bottom		SF
	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		EMSON
	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		FS
	xxi.	Ball joint roll link		SAI
	xxii.	Fork make		EMSON

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

LACCWX - 2265



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 25 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2265 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23	
S. No.	PL No & Item Description	Drawing No	Make	Item Sr.No. (if any)		
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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-8390		
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.	LIGHT ENGG CORP	R-841/09-22		
3	33635237-1, RMPU	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.	1437		
4	33635237-1, RMPU	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.	1435		
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.	AHUJA (PUNJAB RADIO)	5197461		
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183-2018, REV-1.	HITACHI-HI-REL POWER ELECTRONICS PVT	10224105		
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184-2015, REV-I, WITH RDSO L.NO.-EL/7.1.108/SBC/MAIN, DATED 7/1/2022.	RAMYAA ELECTROGEAR	2211/0117/50		
8	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.	RAMYAA ELECTROGEAR	SCHALTBAU		
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 26 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2265 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22092727
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236136
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236135
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-812/08-22
13	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-4274
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3879
15	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.	07222619
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209301
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			EXIDE INDUSTRIES	10/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 27 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2265 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23	
S. No.	PL No & Item Description	Drawing No	Make	Item Sr.No. (if any)		
Group Name UNDER FRAME						
18	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						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.	AHUJA BY PUNJAB RADIOS	NIL		
20	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.	INTEG ELECTRONICS	NIL		
21	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		
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 INTERNATIONAL	22/08/242		
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		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 28 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW X ER	Shell No COUPLING TYPE	2265 CBC	COACH_NO DATE OF FITMENT	22777 25-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			



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 29 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2269	BOGIE NO	RCF-236171	/ RCF-236172	DISPATCH DATE	28-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX	COACH NO	227779	
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare Weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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			1098	1102
	v)	CBC (Make)				SANROK	SANROK
	vi)	CBC (No)				2659 2643	3013 3034
	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	SRI RAM, MAGNUS				
	2	PVC	PREMIER POLYFILM				
	3	UIC VESTIBULES	AMEEN JI				
	4	BODY SIDE DOOR	KALSI				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	SHIVALIK, SHIVALIK, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	BIO-TOILET	AMIT MOHALI, AMIT MOHALI, AMIT MOHALI, AMIT MOHALI				
	10	EP BRAK / BRAKE EQUIPMENT	KBI				
	11	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	12	ODOUR DISPENSER MAKE	ACME/DELHI				
	13	COMPARTMENT DOOR	BLNK				
	14	PRESSURIZE FLUSHING SYSTEM	CEMCON, CEMCON, CEMCON, CEMCON				
	15	COMPACT DUSTBIN	JSL				
	16	FIBA DEVICE	TOP GRIP				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME TYPE	HONEY COMB				



आयुर्वेद प्रणाली
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 30 of 49

	19	PARTITION FRAME	MILTON INDUSTRIES LT
	20	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	21	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
	22	SEAT & BEARTH	TWPL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 31 of 49

QMF 9829, VER:1.00

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			2269		ER		LACCWX		227779		28 - JAN - 23		
11.1 <u>Wheel & Axle Details:</u>													
i.	Bogie No.	RCF - 236171					RCF - 236172						
ii.	Frame No.	RKFL - 350					SCI - FM - 5174						
iii.	Bolster No.	RCF - PP - 5745					AMIT - 680						
iv.	Axle No.	SAIL - 01193			SAIL - 07706		SAIL - 07801			SAIL - 02450			
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	917.00			
vii.	Wheel Disc No.	64158-2T25-TZ	63080-2T43-TZ	12508-2T24-TZ	12506-2T47-TZ	02587-2T32-TZ	65984-2T65-TZ	65983-2T65-TZ	15640-2T82-TZ				
viii.	RB Nos.	28047	29061	22951	22669	28630	29065	29067	14359				
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-120-22-12-5645			TAYAL-120-22-12-5643		TAYAL-120-22-12-5650			TAYAL-120-22-12-5627			
<u>Items traceability:</u>													
11.3													
Sno.	Item									Make			
i.	Primary Outer Spring			CMSTL-22-10			CMSTL-22-10			CMSTL			
ii.	Primary inner Spring			CMSTL-22-05			CMSTL-22-03			CMSTL			
iii.	Primary Damper			8216, 8240, 8187, 8228			8097, 8088, 8087, 8092			GABRIEL			
iv.	Secondary Damper			13606, 12682			12613, 12693			SABOHEMA			
v.	Lateral Damper			6936			6862			ESCORTS			
vi.	Brake cylinder & Caliper			B8778-213, B7353-213, B8777-213, B7346-213			B8597-213, B7367-213, B8586-213, B7361-213			KBI			
vii.	Brake Disc									KBI			
viii.	Control arm top									RV			
ix.	Control arm bottom									RV			
x.	Top rubber Pad									NAPL			
xi.	Vertical Bump Stop									SI			
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									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									EMSON			
11.4													
i.	Modification/Trail(if any):			NIL									
ii.	Deviations (if any):			Deviations (If any): NIL									

LACCWX - 2269



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 32 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW X ER	Shell No COUPLING TYPE	2269 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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	3522102047
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP	R-838/09-22
3	33635237-1, RMPU	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.	22B1313
4	33635237-1, RMPU	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.	22B1315
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.			AHUJA (PUNJAB RADIO)	5197492
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183- 2018, REV-1.			HITACHI-HI- REL POWER ELECTRONICS PVT	10224072
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184- 2015, REV-I, WITH RDSO L.NO.- EL/7.1.108/SBC/MAIN, DATED 7/1/2022.			INTERNATIONA L SWITCHGEARS PVT. LTD.	22/10/0223
8	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.			INTERNATIONA L SWITCHGEARS PVT. LTD.	SALZER
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 33 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2269 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22052343
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236171
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236172
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-324/08-22
13	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-4270
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3836
15	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.	07222742
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209162
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			AMARA RAJA BATTERIES LTD.	09/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 34 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2269 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	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						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
20	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	
21	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	
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.		SIDWAL REFRIGERATIO N INDUSTRIES PVT. LTD	NIL	
26	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TYPE-1, REV-1, COR-5.		UPS INTERNATIONAL	22/08/213	
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	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 35 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW X ER	Shell No COUPLING TYPE	2269 CBC	COACH_NO DATE OF FITMENT	22777 25-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			



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 36 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2258	BOGIE NO	RCF-236147	/ RCF-236148	DISPATCH DATE	29-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX	COACH NO		227776
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare Weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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, LWCBCAC, LWLRRM), 4366 (for LWSCZDAC)		
					PP Side	NPP Side	
	iv)	CBC Height	Specified: 1105 +0/-15 mm			1104	1105
	v)	CBC (Make)				NWFP	NWFP
	vi)	CBC (No)				716-15P3	715-27P4
	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:			TECHNO EXPERT, JUC	
10.	Underframe Make:	RCF	Side Wall Make:			RCF	
11.	Roof Make:	RCF					
12.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	WRM				
	4	BODY SIDE DOOR	KALSI				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	SHIVALIK, SHIVALIK, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	JSL				
	8	LAVATORY DOORS	JSL				
	9	BIO-TOILET	OASIS, OASIS, OASIS, OASIS				
	10	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	11	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	12	ODOUR DISPENSER MAKE	ACME/DELHI				
	13	COMPARTMENT DOOR	BLNK				
	14	PRESSURIZE FLUSHING SYSTEM	SPAC, SPAC, SPAC, SPAC				
	15	COMPACT DUSTBIN	JSL				
	16	FIBA DEVICE	TOP GRIP				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME TYPE	HONEY COMB				
	19	PARTITION FRAME	MILTON INDUSTRIES LT				



आयुर्वेद पीढ़ी
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 37 of 49

	20	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	21	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
	22	SEAT & BEARTH	TWPL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 38 of 49

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		2258	ER	LACCWX	227776	29-JAN-23			

11.1 Wheel & Axle Details:									
i.	Bogie No.	RCF-236147				RCF-236148			
ii.	Frame No.	SCI-FM-5210				RAIL TECH-1955			
iii.	Bolster No.	AMIT-645				RCF-BI-5786			
iv.	Axle No.	SAIL - L8121		SAIL - 07778		SAIL - 07768		SAIL - 01184	
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.	10515-2V02-TZ	17369-2V57-TZ	09415-2T17-TZ	18395-2T36-TZ	69876-2V56-TZ	15641-2T82-TZ	09590-2T55-TZ	09595-2T40-TZ
viii.	RB Nos.	28206	27297	25133	29068	23940	24293	28354	23946
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.	TAYAL-120-22-12-5662	TAYAL-120-22-12-5667	TAYAL-120-22-12-5721	TAYAL-120-22-12-5588

Items traceability:						
11.3	Sno. Item				Make	
	i. Primary Outer Spring	CMSTL-22-10		CMSTL-22-10		CMSTL
	ii. Primary inner Spring	CMSTL-22-04		CMSTL-22-05		CMSTL
	iii. Primary Damper	8417, 8409, 8411, 7824		8418, 8412, 8400, 8413		GABRIEL
	iv. Secondary Damper	12002, 13283		13591, 12258		SABOHEMA
	v. Lateral Damper	6926		7033		ESCORTS
	vi. Brake cylinder & Caliper	0153-600,0142-600, 0039-600,0140-600		0154-600,0152-600, 0164-600,0151-600		FTI
	vii. Brake Disc					KBI
	viii. Contral arm top					RV
	ix. Control arm bottom					RV
	x. Top rubber Pad					SIH
	xi. Vertical Bump Stop					NAPL
	xii. Ball Joint Control arm					SIH
	xiii. Lateral Bump stop					SIH
	xiv. Traction center make					RNG
	xv. Traction lever make					JI
	xvi. Ball joint traction lever					NAPL
	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					EMSON

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

LACCWX - 2258



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 39 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2258 CBC	COACH_NO DATE OF FITMENT	22777 23-JAN-23	
S. PL No & No. Item Description		Drawing No		Make	Item Sr.No. (if any)	
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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-8370/11- 22	
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.		LIGHT ENGG CORP	R-836/09-22	
3	33635237-1, RMPU	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.	22B1440	
4	33635237-1, RMPU	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.	22B1436	
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA (PUNJAB RADIO)	5197532	
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183- 2018, REV-1.		PI ENGINEERING WORKS	22071722	
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184- 2015, REV-I, WITH RDSO L.NO. - EL/7.1.108/SBC/MAIN, DATED 7/1/2022.		HINDUSTAN FIBRE GLASS WORKS PVT. LTD.	22/11/0120	
8	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.		HINDUSTAN FIBRE GLASS WORKS PVT. LTD.	L&T	
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 40 of 49

FOR ELECTRICAL ITEMS					QEF 0650 VER 1.0	
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2258 CBC	COACH_NO DATE OF FITMENT	22777 23-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22052344
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236147
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236148
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-656/08-22
13	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-4280
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3562
15	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.	07222736
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209052
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			EXIDE INDUSTRIES	10/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 41 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCWX ER	Shell No COUPLING TYPE	2258 CBC	COACH_NO DATE OF FITMENT	22777 23-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name UNDER FRAME						
18	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 ENG. WORKS	NIL	
Group Name COMPARTMENT						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA BY PUNJAB RADIOS	NIL	
20	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	
21	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	
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.		RSI SWITCHGEAR PVT. LTD	NIL	
26	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TYPE-1, REV-1, COR-5.		UPS INTERNATIONA L	22/08/023	
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	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 42 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCW XER	Shell No COUPLING TYPE	2258 CBC	COACH_NO DATE OF FITMENT	22777 23-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.		SIDWAL REFRIGERATIO N INDUSTRIES PVT. LTD	NIL
SSE/EL/QC			AME/WM QC/DY CQM I			



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 43 of 49

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	2266	BOGIE NO	RCF-236095	/ RCF-236096	DISPATCH DATE	30-JAN-23
2.	RAILWAY	ER	TYPE OF COACH	LACCWX		COACH NO	227777
3.	BOOKED TO	SSE/C&W/KOAA					
4.	Tare weight of Coach	41.6 T					
5.	Carrying Capacity	Seating	54	Sleeping	54	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, LWCBAC, LWLRRM), 4366 (for LWSCZDAC)			
						PP Side	NPP Side
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1100	1102	
	v)	CBC (Make)			SANROK	SANROK	
	vi)	CBC (No)			2602-2658	2629-2691	
	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:		TECHNO EXPERT, JUC		
10.	Underframe Make:	RCF	Side Wall Make:		RCF		
11.	Roof Make:	RCF					
12.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	WRM				
	4	BODY SIDE DOOR	KALSI				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	SHIVALIK, SHIVALIK, RAIL FAB, RAIL FAB				
	7	COMPOSITE MODULAR TOILET	CMT				
	8	LAVATORY DOORS	CMT				
	9	BIO-TOILET	AMIT MOHALI, AMIT MOHALI, AMIT MOHALI, AMIT MOHALI				
	10	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	11	ASPRATING SMOKE & FIRE DETECTON SYSTEM	SANROK				
	12	ODOUR DISPENSER MAKE	ACME/DELHI				
	13	COMPARTMENT DOOR	BLNK				
	14	PRESSURIZE FLUSHING SYSTEM	SPAC, SPAC, SPAC, SPAC				
	15	COMPACT DUSTBIN	CMT				
	16	FIBA DEVICE	ESCORTS				
	17	YAW DAMPER	ESCORTS				
	18	PARTITION FRAME TYPE	HONEY COMB				



	19	PARTITION FRAME	MILTON INDUSTRIES LT
	20	PILLAR ASSLY LONGI SIDE	NOT TRACEABLE
	21	PILLAR ASSLY TRANSVERSE	NOT TRACEABLE
	22	SEAT & BEARTH	TWPL
13.	10.1	Modification/ Trial (If any): NIL	
	10.2	Deviations (If any): NIL	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 45 of 49

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		2266	ER	LACCWX	227777	30-JAN-23

11.1 Wheel & Axle Details:									
i.	Bogie No.	RCF-236095				RCF-236096			
ii.	Frame No.	RKFL-324				RCF-AC-2938			
iii.	Bolster No.	SHIVALIK-272				SHIVALIK-302			
iv.	Axle No.	SAIL - 07666		SAIL - 07980		SAIL - 05520		SAIL - 07846	
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.	15740-2V12-TZ	68498-2S61-TZ	69875-2V56-TZ	69823-2V60-TZ	14044-2V30-TZ	09503-2T17-TZ	69933-2V56-TZ	09228-2T18-TZ
viii.	RB Nos.	29845	24623	24619	27336	15671	15835	43866	28238
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-120-22-12-10558	AVADH-120-22-12-10553	AVADH-120-22-11-10317	AVADH-120-22-11-10268

Items traceability:						
11.3	Sno. Item				Make	
i.	Primary Outer Spring	CMSTL-22-10		CMSTL-22-01	CMSTL	
ii.	Primary inner Spring	CMSTL-22-04		CMSTL-21-11	CMSTL	
iii.	Primary Damper	8584, 8620, 8612, 8615		8583, 8586, 8594, 8587	GABRIEL	
iv.	Secondary Damper	12904, 13040		12246, 13416	SABOHEMA	
v.	Lateral Damper	7076		7016	ESCORTS	
vi.	Brake cylinder & Caliper	H21005-600,H21732-600, H21007-600,H21735-600		G21408-600,G21314-600, G21435-600,G21320-600	FTI	
vii.	Brake Disc				KBI	
viii.	Contral arm top				SF	RV
ix.	Control arm bottom				SF	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				RNG	EMSON
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	FS
xxi.	Ball joint roll link				SHIVKRIPA	SAI
xxii.	Fork make				EMSON	

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

LACCWX - 2266



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 46 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY	LACCW X ER	Shell No COUPLING TYPE	2266 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23	
S. No.	PL No & Item Description	Drawing No		Make	Item Sr.No. (if any)	
Group Name PP-SIDE						
1	33501427-0, SUPPLY OF ITEM AXLE MOUNTED DISC BRAKE SYSTEM FOR AC NAC COACHES, as per Drawing/Spec. No. : RDSO	RDSO/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-8241/10- 22	
2	33635080-1, PUMP	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.		LIGHT ENGG CORP	R-794/09-22	
3	33635237-1, RMPU	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.	22B1515	
4	33635237-1, RMPU	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.	22B1523	
5	33640300-1, PA SYSTEM	EDTS173, REV-B, COR-2, TYPE-V.		AHUJA (PUNJAB RADIO)	5197500	
6	33641419-0, 4.5KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES., as	RDSO/PE/SPEC/AC/0183- 2018, REV-1.		HITACHI-HI- REL POWER ELECTRONICS PVT	10224085	
7	33641936-1, SWITCH BOARD CABINET	RDSO/PE/SPEC/AC/0184- 2015, REV-I, WITH RDSO L.NO.- EL/7.1.108/SBC/MAIN, DATED 7/1/2022.		INTERNATIONA L SWITCHGEARS PVT. LTD.	22/10/0209	
8	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.		INTERNATIONA L SWITCHGEARS PVT. LTD.	L&T	
Group Name NON-PP SIDE						



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 47 of 49

FOR ELECTRICAL ITEMS					QEF 0650 VER 1.0	
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2266 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name NON-PP SIDE						
9	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.	SA22062456
Group Name BOGIE PP SIDE						
10	33635067-1, BOGIE 1	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236096
Group Name BOGIE NPP SIDE						
11	33635067-2, BOGIE 2	EDTS101, REV-C, AM-2, COR-7.RCF ANNEXURE 1			DARSAHN ENTERPRISES	236095
Group Name UNDER FRAME						
12	33635080-2, PUMP CONTROLLER	EDTS186, REV-A, AM-2, COR-1&2 WITH ANNEX.1.			LIGHT ENGG CORP.	R-875/08-22
13	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-4236
14	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER, as per Drawing/Specification : EDTS366, REV-N	EDTS366, REV-Nil, COR-2.			VIMAL TRANSFORMER (5KVA)	VTC-3520
15	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.	07222746
16	33640786-0, BATTERY FUSE BOX +VE, as per Drawing/specification: LW71001, ALT-I., Packing Instruction: SUITABLY CO	LW71001, ALT-I.			UPS INTERNATIONA L	2209051
17	33641729-0, 70AH, 110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0009- 2014, REV-2, PRECHARGED.			EXIDE INDUSTRIES	10/22



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 48 of 49

FOR ELECTRICAL ITEMS						QEF 0650 VER 1.0
ROLLING STOCK CERTIFICATE OF						
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2266 CBC	COACH_NO DATE OF FITMENT	22777 25-JAN-23
S. No.	PL No & Item Description	Drawing No			Make	Item Sr.No. (if any)
Group Name UNDER FRAME						
18	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						
19	33640300-2, SPEAKERS	EDTS173, REV-B, COR-2, TYPE-V.			AHUJA BY PUNJAB RADIOS	NIL
20	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
21	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
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 INTERNATIONAL	22/08/229
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



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

Page 49 of 49

FOR ELECTRICAL ITEMS						QEF 0650
ROLLING STOCK CERTIFICATE OF						VER 1.0
LHB AC 2 TIER COACH AIR SPRING IN SECONDARY						
TYPE OF COACH RAILWAY		LACCWX ER	Shell No COUPLING TYPE	2266 CBC	COACH_NO DATE OF FITMENT	22777 25-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.		INDO RAIL ENGINEERING SYSTEMS PVT. LTD.	NIL
SSE/EL/QC			AME/WM QC/DY CQM I			