



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9055	BOGIE NO	197193 / 197194	DISPATCH DATE	06-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196409	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)		
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1102	1104	
	v)	CBC (Make)			ESCORTS	ESCORTS	
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	87 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE, PREMIER POLYFILM				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JBM, JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	CMT, HINDUSTAN				
	7	LAVATORY DOORS	CMT, HINDUSTAN				
	8	WATER TANKS	RAIL FAB, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	CEMCON, JSL				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



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QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9055	NR	LACCNX	196409	06-DEC-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	197193				197194			
ii.	Frame No.	ECBT-641				BEC-15			
iii.	Bolster No.	PD-CA-1905				PD-CA-1853			
iv.	Axle No.	RWF - P7998		RWF - N8955		RWF - N4557		RWF - L1962	
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.	917.11	917.12	917.15	917.15	917.25	917.25	917.15	917.15
vii.	Wheel Disc No.	03732-8MN6-TZ	42550-8RM9-TZ	18484-8MW7-TZ	53186-9QH3-TZ	57681-9QJ0-TZ	53195-9QH3-TZ	53197-9PG0-TZ	51682-9QJ0-TZ
viii.	RB Nos.	04266	08008	10372	09680	09838	09594	10970	09585
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
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-19-05-1061	TAYAL-19-05-1011	TAYAL-19-05-1021	TAYAL-19-05-1012

Items traceability:

11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	GBD-18-12	GBD-18-12
	ii.	Primary inner Spring	RSK-18-02	RSK-18-02
	iii.	Primary Damper	1170, 894, 1088, 1414	1078, 1406, 1024, 870
	iv.	Secondary Damper	1326, 1357	1359, 1458
	v.	Lateral Damper	1998	1756
	vi.	Break cylinder & Caliper	B7417-691,B6442-691, B7421-691,B6425-691	B7478-691,B6415-691, B7498-691,B6417-691
	vii.	Break Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		AVADH
	xi.	Vertical Bump Stop		AVADH
	xii.	Ball Joint Control arm		AVADH
	xiii.	Lateral Bump stop		AVADH
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		TAJ JI
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		EMSON
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9055



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9055** **COACH_NO : 196409**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 05-DEC-19**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNOOR-BREMSE INDIA PVT.LTD	0118340178
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD	300331-30032/01/19
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	R19-K-8672
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	LEEL ELECTRICALS LTD.	1804-0733
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4387389
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	ELECTRO WAVES ELECTRONICS PVT. LTD.	W4K-5119731

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	LEEL ELECTRICALS LTD.	1804-0703
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	A PAUL	1805028
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name UNDER FRAME

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	RAMYAA ELECTRO-GEAR PVT. LTD.	190882151
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366,Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5B-19464



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Group Name UNDER FRAME				
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTERNATIONAL SWITCHGEAR S & CONTROL	2019-02-070
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY.PVT .LTD	2019-02-070
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	MEENAKSHI ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	INTERNATIONAL SWITCHGEAR S PVT. LTD.	CB-RCF-1907-0018
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	INTERNATIONAL SWITCHGEAR S PVT. LTD.	SBC-RCF-19-04-0056
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	INTERNATIONAL SWITCHGEAR S PVT. LTD.	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197194
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATIONAL	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197193
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATIONAL	NIL



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FOR ELECTRICAL ITEMS ROLLING STOCK CERTIFICATE OF LHB AC 3 TIER AIR SPRING COACH				
SSE/EL/QC			AME/WM QC/DY CQM I	
FOR ELECTRICAL ITEMS ROLLING STOCK CERTIFICATE OF LHB POWER CAR (LOW NOISE) AIR SPRING COACH				
TYPE OF COACH : LLRRMLX Shell No : 9055 COACH_NO : 196406				
RAILWAY : NR COUPLING TYPE : CBC DATE OF FITMENT: 19-DEC-19				
S.No PL No & Item Description Drawing No Make Item Sr.No.(if any)				
Group Name PP-SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S INTERNATIONAL	197479
1	33635225-1, AC PACKAGE UNIT	EDTS075 TYPE-II	AMIT ENGG.	3359-B-19
1	33640312-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-II	PUNJAB RADIOS/AHUJA	4592269
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/0057
Group Name BOGIE PP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S INTERNATIONAL	197480
Group Name ENGINE ROOM				
1	33635146-1, SMOKE SENSOR UNIT	SPEC.NO EDTS087 TYPE-II	AGNI INSTRUMENTS	NA
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-1375
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/50 Fully Bridge Diode Based with	NA	NA
0	33641961-0, STARTER BATTERY CHARGING CONTROL PANEL FOR LHB TYPE POWER CAR	EDTS116	ISG PL	SBC-RCF-19040041
Group Name 500 KVA ALTERNATOR SET A				
1	33635316-1, ENGINE 500KVA	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	KIRLOSKER DVO9026/1920045
2	33635316-2, ALTERNATOR 500KVA	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	LEROY SOMER LED3L919E11413 2019



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Group Name 500 KVA ALTERNATOR SET A				
3	33635316-3, RADIATOR FAN MOTOR	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	ABB 3GIJI938000/1757 135
4	33635316-4, VENTILATOR FAN MOTOR-1	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
5	33635316-5, VENTILATOR FAN MOTOR-2	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
6	33635316-6, STARTER BATTERY 290AH CAPACITY	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	CELTEK 10/19,10/19,10/19
7	33635316-7, ELECTRONIC ENGINE CONTROLLER	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
8	33635316-8, FUEL CONSUMPTION METER (INPUT)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	FLUIDYNE 19840
9	33635316-9, FUEL CONSUMPTION METER (OUTPUT)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	FLUIDYNE 19840
10	33635316-10, OVER VOLTAGE RELAY (IN CASE OF M/S BHEL & M/S G&C)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
11	33635316-11, DATA LOGGER UNIT (IN CASE OF CUMMINS ENGINE)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	GENSET CONTROL PANEL DVO5047/1900048
12	33635316-12, NEUTRAL REACTOR(IN CASE OF M/S G&C)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
13	33635316-13, RADIATOR FRAME	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	19.10.66
0	33641596-0, CONTROL PANEL FOR VENTILATOR FANS OF DIESEL ENGINE FOR LHB TYPE POWER	EDTS110	NA	NA



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S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name 500 KVA ALTERNATOR SET A				
0	33641950-0, CONTROL PANEL FOR RADIATOR FAN MOTOR OF DIESEL ENGINE FOR LHB POWER CA	EDTS114 REV-A	BHASIN PACKARD ELECTRONICS PVT LTD	05193250/1
Group Name 500 KVA ALTERNATOR SET B				
1	33635316-1, ENGINE 500KVA	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	KIRLOSKER DVO9026/1920047
2	33635316-2, ALTERNATOR 500KVA	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	LEROY SOMER LED3L919F11703 2019
3	33635316-3, RADIATOR FAN MOTOR	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	ABB 3GIJ1938000/1757 131
4	33635316-4, VENTILATOR FAN MOTOR-1	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
5	33635316-5, VENTILATOR FAN MOTOR-2	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
6	33635316-6, STARTER BATTERY 290AH CAPACITY	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	CELTEK 10/19,10/19,10/19
7	33635316-7, ELECTRONIC ENGINE CONTROLLER	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
8	33635316-8, FUEL CONSUMPTION METER (INPUT)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	FLUIDYNE 19722
9	33635316-9, FUEL CONSUMPTION METER (OUTPUT)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	FLUIDYNE 19722
10	33635316-10, OVER VOLTAGE RELAY (IN CASE OF M/S BHEL & M/S G&C)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
11	33635316-11, DATA LOGGER UNIT (IN CASE OF CUMMINS ENGINE)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	GENSET CONTROL PANEL- DVO5047/1900044



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S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name 500 KVA ALTERNATOR SET B				
12	33635316-12, NEUTRAL REACTOR(IN CASE OF M/S G&C)	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	NA
13	33635316-13, RADIATOR FRAME	EDTS 102 ,REV-D,AM-4,PART- A	M/S KIRLOSKAR OIL ENGINES LTD	19.10.68
0	33641596-0, CONTROL PANEL FOR VENTILATOR FANS OF DIESEL ENGINE FOR LHB TYPE POWER	EDTS110	NA	NIL
0	33641950-0, CONTROL PANEL FOR RADIATOR FAN MOTOR OF DIESEL ENGINE FOR LHB POWER CA	EDTS114 REV-A	BHASIN PACKARD ELECTRONICS PVT LTD	05193250/2
Group Name DRIVING END				
0	33635092-0, EXT.SUPP SOCKET 125 AMP,415V,IP67,5POLE(3P+N+E) WITH PILOT CONTACTS	CATALOGUE NO 1945436/PV 4125-6 &1948036/UIV 4125-6 RES. OF M/S GARO OREQUIVELANT APPROVED MAKE	JAI BALA JI	JAI BALA JI
Group Name NON-DRIVING END				
0	33635092-0, EXT.SUPP SOCKET 125 AMP,415V,IP67,5POLE(3P+N+E) WITH PILOT CONTACTS	CATALOGUE NO 1945436/PV 4125-6 &1948036/UIV 4125-6 RES. OF M/S GARO OREQUIVELANT APPROVED MAKE	JAI BALA JI	JAI BALA JI
Group Name UNDER FRAME				
1	33635080-1, PUMP	EDTS186	LEC CORP	198R1161 & 198R1161
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-1395
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-1427
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONIC	201901012
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021826
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMAR RAJA	01/2019



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Group Name UNDER FRAME				
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	MEENAKASHI ENGG WORKS	NA
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SWITCHGEAR S & CONTROLS	2019058018
Group Name UNDER FRAME PP SIDE				
0	33635031-0, FEEDER JUNCTION BOX FOR POWER CAR	EDML021 REV-A	NEC	NA
0	33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANNEX. A	S INTERNATIONAL	NA
Group Name UNDER FRAME NPP SIDE				
0	33635031-0, FEEDER JUNCTION BOX FOR POWER CAR	EDML021 REV-A	NEC	NA
0	33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANNEX. A	S INTERNATIONAL	NA
Group Name CREW ROOM				
0	33501439-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-POWER CAR COACHES	MDTS077 REV. 02	SAB WABCO	24/19/836
	33501439-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-POWER CAR COACHES	MDTS077 REV. 02		
2	33635080-2, PUMP CONTROLLER	EDTS186	LEC CORP	198R1135
2	33635146-2, SMOKE SENSOR	SPEC.NO EDTS087 TYPE-II	AGNI INSTRUMENTS	NA
2	33635225-2, MICRO PROCESSOR CONTROLLER	EDTS075 TYPE-II	AMIT ENGG	1902238
0	33635262-0, SINGLE INLET RADIAL BLOWER 415V, 3-PHASE, 50 HZ, 185W, 1045 CUBIC METER PER HOUR DISCHARGE FOR EXHAUSTIN	EDTS331, TYPE-2	INTEG	NA
2	33640312-2, SPEAKERS	EDTS173, TYPE-II	PUNJAB RADIOS/AHUJ A	NA
1	33640543-1, DA CONTROL PANEL FOR 2 X 500KVA DGSETS.	EDTS 103, REV-D, AM-3	P.D. STEEL	PDS-19/0003
2	33640543-2, HOG PANEL FOR CONTROL OF CONVERTOR/DG SUPPLY.	EDTS 103, REV-D, AM-3	TRINITRON (HOG PANEL)	TCS/RCF/3389/H8
0	33641559-0, 24V STARTER BATTERY CHARGER FOR 500KVA DA SET	EDTS106	ELECTROWAVES	WSBCF191058



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S.No	PL No & Item Description	Drawing No	Item Sr.No.(if any)
Group Name CREW ROOM			
0	33641559-0, 24V STARTER BATTERY CHARGER FOR 500KVA DA SET	EDTS106	ELECTROWAVES WSBCF191029
0	33641614-0, TAIL LIGHT LED TYPE WITH FLASHER UNIT & VHF CHARGING SOCKET TO DRG. NO. LP73200 ALT "A"	EDTS215	DHINGRA ENGINEERING WORKS NA
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS AE/SB-589
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	INTERNATIONAL SWITCHGEAR S PVT. LTD. L&T BY AMIT ENGG
SSE/EL/QC		AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9061	BOGIE NO	197515 / 197516	DISPATCH DATE	07-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196410	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1105	1103		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description	Specified			
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	06 - 10 Sec			
			Max Pressure in BC	3.80±0.15 Kg/cm ²			
			All Brake are applied	OK			
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi	No brake application			
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec	Brake must apply			
8.	Painting Details:		Type of Paint	Make	Average Gloss Value		
	8.1	Paint	PU PAINT	GS	87 / 87		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND, CMT				
	7	LAVATORY DOORS	HINDUSTAN, CMT				
	8	WATER TANKS	RAIL FAB, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	RASANDIK				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9061	NR	LACCNX	196410	07-DEC-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	197515				197516			
ii.	Frame No.	CA-1046				ECBT-900			
iii.	Bolster No.	PD-CA-2072				SECPL-165			
iv.	Axle No.	RWF - R2918		RWF - S2050		RWF - R1412		RWF - S2033	
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.	917.30	917.30	917.00	917.00	917.50	917.50	917.20	917.20
vii.	Wheel Disc No.	24563-8PQ4-TZ	24735-8QG0-TZ	41201-8RQ0-TZ	41205-8RQ1-TZ	40029-8RS4-TZ	08547-8MV5-TZ	08551-8MV5-TZ	41202-8RQ1-TZ
viii.	RB Nos.	47581	49121	47448	47480	47195	49024	47787	46903
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-19-10-2712	AVADH-19-10-2684	AVADH-19-10-2683	AVADH-19-10-2678

Items traceability:				
Sno.	Item	STLI-19-02	STLI-19-08	Make
i.	Primary Outer Spring	STLI-19-02		STLI
ii.	Primary inner Spring	STLI-19-08		STLI
iii.	Primary Damper	248475, 248127, 247747, 249271		IAI
iv.	Secondary Damper	249926, 250017		IAI
v.	Lateral Damper	349		GABRIEL
vi.	Break cylinder & Caliper	B5872-691,B4929-691, B5871-691,B4928-691		KBI
vii.	Break Disc			KBI
viii.	Contral arm top			KUMAR
ix.	Control arm bottom			KUMAR
x.	Top rubber Pad			AVADH
xi.	Vertical Bump Stop			GMT
xii.	Ball Joint Control arm			GMT
xiii.	Lateral Bump stop			AVADH
xiv.	Traction center make			SARITA
xv.	Traction lever make			SARITA
xvi.	Ball joint traction lever			GMT
xvii.	Traction center elastic			GMT
xviii.	Secondary rubber pad			NA
xix.	Rubber spring			NA
xx.	Anti roll bar make			RKFL
xxi.	Ball joint roll link			SARITA
xxii.	Fork make			SARITA

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

LACCNX - 9061



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9061** **COACH_NO : 196410**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 06-DEC-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNOOR-BREMSE INDIA PVT.LTD	0119242214
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1116
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1146
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-G-1318
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4661987
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	ELECTRONICS EQUIPMENT CO. PVT. LTD.	08190031
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-G-1316
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19072528
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
Group Name UNDER FRAME				
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	RAMYAA ELECTRO-GEAR PVT. LTD.	190882186
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366,Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119598



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTERNATION ALS SWITCHGEAR PVT LTD	2019-02-040
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY.PVT .LTD	2019-02-290
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/0 09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	ANKUR ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	INTERNATION AL SWITCHGEAR S PVT. LTD.	CB-RCF-19040007
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-490
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIO NALS	197516
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIO NALS	197515
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATION AL	NIL
SSE/EL/QC			AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9062	BOGIE NO	197578 / 197579	DISPATCH DATE	10-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196411	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1108	1104		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:	Description	Specified				
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	06 - 10 Sec			
			Max Pressure in BC	3.80±0.15 Kg/cm ²			
			All Brake are applied	OK			
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi	No brake application			
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec	Brake must apply			
8.	Painting Details:	Type of Paint	Make	Average Gloss Value			
	8.1	Paint	PU PAINT	GS	86 / 86		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND				
	7	LAVATORY DOORS	HIND				
	8	WATER TANKS	RAIL FAB, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	RASANDIK				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.04, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9062	NR	LACCNX	196411	10-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197578				197579			
ii.	Frame No.	ECBT-974				ECBT-972			
iii.	Bolster No.	PD-CA-1945				PD-CA-2154			
iv.	Axle No.	RWF - S2677		RWF - S7777		RWF - S5217		RWF - S3745	
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	916.90	916.90	917.00	917.00	917.20	917.20
vii.	Wheel Disc No.	36675-8RQ2-TZ	36674-8RQ2-TZ	17460-8MX3-TZ	17461-8MX3-TZ	43806-8RR2-TZ	40588-8RM5-TZ	36499-8RN0-TZ	39552-8RP5-TZ
viii.	RB Nos.	47108	41096	47123	47177	47187	46683	49588	47111
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-19-10-2773	AVADH-19-10-2789	AVADH-19-9-2987	AVADH-19-09-2977

Items traceability:						
11.3	Sno.	Item	Make			
	i.	Primary Outer Spring	CMSTL-19-02	CMSTL-19-02	CMSTL	
	ii.	Primary inner Spring	CMSTL-19-08	CMSTL-19-08	CMSTL	
	iii.	Primary Damper	249035, 247857, 249522, 249352	248528, 247954, 248555, 249125	IAI	
	iv.	Secondary Damper	251, 285	287, 264	SABOHEMA	
	v.	Lateral Damper	2163	2403	GABRIEL	
	vi.	Break cylinder & Caliper	B5775-691,B4794-691, B5767-691,B4772-691	B5760-691,B4868-691, B5744-691,B4982-691	KBI	
	vii.	Break Disc			KBI	
	viii.	Contral arm top			KUMAR	
	ix.	Control arm bottom			KUMAR	
	x.	Top rubber Pad			AVADH	
	xi.	Vertical Bump Stop			AVADH	
	xii.	Ball Joint Control arm			GMT	
	xiii.	Lateral Bump stop			GMT	
	xiv.	Traction center make			SARITA	
	xv.	Traction lever make			AEW	SARITA
	xvi.	Ball joint traction lever			GMT	
	xvii.	Traction center elastic			GMT	
	xviii.	Secondary rubber pad			NA	
	xix.	Rubber spring			NA	
	xx.	Anti roll bar make			SARITA	
	xxi.	Ball joint roll link			SARITA	
	xxii.	Fork make			SARITA	

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

LACCNX - 9062



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9062** **COACH_NO : 196411**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 09-DEC-19**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNOOR-BREMSE INDIA PVT.LTD	0119242173
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1140
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1113
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-G-1321
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4630782
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	ELECTRONICS EQUIPMENT CO. PVT. LTD.	08190027

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-H-1369
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19032617
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name UNDER FRAME

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1425
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366,Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5B-19506
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	LEC	2017-04-004



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021784
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	ANKUR ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	INTERNATIONAL SWITCHGEAR S PVT. LTD.	CB-RCF-19040015
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	HIND RECTIFIERS LIMITED	H-0184191130
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	HIND RECTIFIERS LIMITED	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197579
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	INTERNATIONALS SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATIONAL	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197578
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	INTERNATIONALS SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATIONAL	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9063	BOGIE NO	197562 / 197563	DISPATCH DATE	13-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196412	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1105	1105		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	87 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JVR, JBM				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HINDUSTAN, CMT				
	7	LAVATORY DOORS	HINDUSTAN, CMT				
	8	WATER TANKS	RAIL TECH, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	PD STEEL				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.04, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9063	NR	LACCNX	196412	13-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197562				197563			
ii.	Frame No.	ECBT-905				ECBT-906			
iii.	Bolster No.	PD-CA-2021				PD-CA-2112			
iv.	Axle No.	RWF - S3722		RWF - S4472		RWF - S2127		RWF - S7783	
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.	917.10	917.10	916.80	916.80	917.00	917.00	917.10	917.10
vii.	Wheel Disc No.	23787- 8PQ0-TZ	04947- 8MJ5-TZ	44050- 8RS7-TZ	23793- 8PM9-TZ	23789- 8PS0-TZ	02523- 8MM3-TZ	43819- 8RS1-TZ	23791- 8PQ4-TZ
viii.	RB Nos.	48941	47181	47105	46872	49025	47084	46964	49113
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-19-10-2767	AVADH-19-10-2770	AVADH-19-10-2777	AVADH-19-10-2734

Items traceability:				
Sno.	Item			Make
i.	Primary Outer Spring	CMSTL-18-12	CMSTL-18-12	CMSTL
ii.	Primary inner Spring	CMSTL-19-08	CMSTL-19-08	CMSTL
iii.	Primary Damper	247967, 247736, 248721, 249692	249641, 248850, 249353, 248757	IAI
iv.	Secondary Damper	249949, 243731	243742, 250043	IAI
v.	Lateral Damper	2387	2289	GABRIEL
vi.	Break cylinder & Caliper	B9532-691,B8588-691, B9572-691,B8186-691	B9869-691,B8766-691, B8981-691,B8867-691	KBI
vii.	Break Disc			KBI
viii.	Contral arm top			KUMAR
ix.	Control arm bottom			KUMAR
x.	Top rubber Pad			GMT
xi.	Vertical Bump Stop			GMT
xii.	Ball Joint Control arm			AVADH
xiii.	Lateral Bump stop			AVADH
xiv.	Traction center make			SARITA
xv.	Traction lever make			AEW
xvi.	Ball joint traction lever			GMT
xvii.	Traction center elastic			GMT
xviii.	Secondary rubber pad			NA
xix.	Rubber spring			NA
xx.	Anti roll bar make			SARITA
xxi.	Ball joint roll link			SARITA
xxii.	Fork make			SARITA

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

LACCNX - 9063



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9063** **COACH_NO : 196412**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 12-DEC-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	KNOOR-BREMSE INDIA PVT.LTD	0119242184
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1118
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1125
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-H-1363
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4592638
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	11/19/0005
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	..
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19082650
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
Group Name UNDER FRAME				
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1426
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366,Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-19479
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2019-01-019



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021785
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	INTERNATIONAL SWITCHGEAR S PVT. LTD.	CB-RCF-1904-0011
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	HIND RECTIFIERS LIMITED	H-0184191121
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	HIND RECTIFIERS LIMITED	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197563
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATIONAL	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197562
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	S INTERNATIONAL	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9067	BOGIE NO	197511	/ 197512	DISPATCH DATE	17-DEC-19
2.	RAILWAY	NR	TYPE OF COACH	LACCNX		COACH NO	196414
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)			
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1102	1102	
	v)	CBC (Make)			ESCORTS	ESCORTS	
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	86 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	JBM				
	6	COMPOSITE MODULAR TOILET	HIND, CMT				
	7	LAVATORY DOORS	HIND, CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	CEMCON, AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9067	NR	LACCNX	196414	17-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197511				197512			
ii.	Frame No.	ECBT-939				CA-1009			
iii.	Bolster No.	SECPL-163				SECPL-155			
iv.	Axle No.	RWF - R2617		RWF - S1373		RWF - S5210		RWF - S0792	
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.	917.20	917.20	917.00	917.00	917.20	917.20	917.20	917.20
vii.	Wheel Disc No.	25160-8PQ4-TZ	00115-8MJ9-TZ	24934-8MR1-TZ	24020-8PR2-TZ	40031-8RS4-TZ	08550-8MV5-TZ	38766-8RQ0-TZ	30768-8RQ0-TZ
viii.	RB Nos.	47460	47454	48133	47476	46708	46688	47270	49277
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-19-10-2728	AVADH-19-10-2695	AVADH-19-10-2709	AVADH-19-10-2713

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-19-02	CMSTL-19-02
	ii.	Primary inner Spring	CMSTL-19-08	CMSTL-19-08
	iii.	Primary Damper	248764, 249750, 248903, 248046	248829, 247948, 248026, 248201
	iv.	Secondary Damper	250081, 250090	249964, 250139
	v.	Lateral Damper	2495	2188
	vi.	Break cylinder & Caliper	F19693-600,F19078-600, F19696-600,F19074-600	F19616-600,G19572-600, G19617-600,G19570-600
	vii.	Break Disc		KBI
	viii.	Contral arm top		HAPL
	ix.	Control arm bottom		HAPL
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		GMT
	xii.	Ball Joint Control arm		GMT
	xiii.	Lateral Bump stop		GMT
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		AEW
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9067



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9067** **COACH_NO : 196414**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 16-DEC-19**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	24/19/846
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1135
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	R-19-K-6659
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-H-1353
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4181983
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	08-19-0057

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-H-1968
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19082614
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name UNDER FRAME

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1429
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366,Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-19489
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	LEC	2017-04-009
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021838



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF			
LHB AC 3 TIER AIR SPRING COACH			
S.No	PL No & Item Description	Drawing No	Item Sr.No.(if any)
Group Name UNDER FRAME			
0	33641729-0, 70AH, 110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	NEERA ENTERPRISES
Group Name COMPARTMENT			
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS
Group Name UNDER FRAME PP SIDE			
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	S INTERNATIONAL
Group Name UNDER FRAME NPP SIDE			
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	S INTERNATIONAL
SSE/EL/QC		AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9066	BOGIE NO	197509 / 197510	DISPATCH DATE	18-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196413	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1102	1105		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	86 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	SWRAN INF				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND, CMT				
	7	LAVATORY DOORS	HIND, CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	METAFIT, PD STEEL				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9066	NR	LACCNX	196413	18-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197509				197510			
ii.	Frame No.	CA-1035				CA-1004			
iii.	Bolster No.	PD-CA-2108				SECPL-85			
iv.	Axle No.	RWF - R6673		RWF - P9750		RWF - S3178		RWF - S4933	
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	917.10	917.10	917.20	917.20
vii.	Wheel Disc No.	25157-8PQ4-TZ	23453-8PQ3-TZ	25159-8PQ4-TZ	24019-8PR2-TZ	27037-8PQ7-TZ	27038-8PQ7-TZ	00116-8MJ9-TZ	25158-8PQ4-TZ
viii.	RB Nos.	42462	47792	47607	48121	48127	47817	47808	48143
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-19-10-2750	AVADH-19-10-2748	AVADH-19-10-2730	AVADH-19-10-2685

Items traceability:				
Sno.	Item			Make
i.	Primary Outer Spring	STLI-19-01	STLI-19-02	STLI
ii.	Primary inner Spring	STLI-19-08	STLI-19-08	STLI
iii.	Primary Damper	248798, 249709, 248562, 249513	248938, 249018, 248620, 249270	IAI
iv.	Secondary Damper	249975, 250068	249998, 249918	IAI
v.	Lateral Damper	345	2446	GABRIEL
vi.	Break cylinder & Caliper	G19516-600,G19573-600, G19618-600,G19285-600	G19517-600,G19571-600, G19593-600,G19517-600	FTI
vii.	Break Disc			KBI
viii.	Contral arm top			HAPL
ix.	Control arm bottom			HAPL
x.	Top rubber Pad			GMT
xi.	Vertical Bump Stop			AVADH
xii.	Ball Joint Control arm			GMT
xiii.	Lateral Bump stop			GMT
xiv.	Traction center make			SARITA
xv.	Traction lever make			AEW
xvi.	Ball joint traction lever			GMT
xvii.	Traction center elastic			GMT
xviii.	Secondary rubber pad			NA
xix.	Rubber spring			NA
xx.	Anti roll bar make			RKFL
xxi.	Ball joint roll link			SARITA
xxii.	Fork make			SARITA

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

LACCNX - 9066



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No :** 9066 **COACH_NO :** 196413

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 13-DEC-19

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name **PP-SIDE**

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	13/19/509
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	R-19K-6566
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	R-19H-6668
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-H-1357
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4486220
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09-19-0041

Group Name **NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	INTEC CORPORATION	19-H-1377
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19082628
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name **UNDER FRAME**

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1422
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366,Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119586
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-373



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY.PVT .LTD	2019-02-249
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1109/04-2019
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-1015
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197510
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	S INTERNATIONAL	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197509
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	S INTERNATIONAL	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9069	BOGIE NO	197517 / 197518	DISPATCH DATE	19-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196415	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1102	1105		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /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.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	SVARN INFRATEL				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND, CMT				
	7	LAVATORY DOORS	HIND, CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	RASANDIK, AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9069	NR	LACCNX	196415	19-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197517				197518			
ii.	Frame No.	ECBT-1021				CA-1028			
iii.	Bolster No.	SECPL-169				SECPL-162			
iv.	Axle No.	RWF - S2161		RWF - S1860		RWF - S1191		RWF - S3537	
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	917.30	917.30	917.20	917.20	917.10	917.10
vii.	Wheel Disc No.	28274- 8PN5-TZ	39850- 8RL4-TZ	39848- 8RL4-TZ	28074- 8MX5-TZ	19134- 8PN8-TZ	19135- 8PN8-TZ	39849- 8RL4-TZ	28073- 8PR1-TZ
viii.	RB Nos.	47154	47781	47795	48036	48358	43715	46808	47145
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-19-10-2720	AVADH-19-10-2736	AVADH-19-10-2703	AVADH-19-10-2687

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	STLI-19-02	STLI-19-02
	ii.	Primary inner Spring	STLI-19-08	STLI-19-08
	iii.	Primary Damper	248198, 248287, 248832, 248314	248755, 248009, 249096, 248027
	iv.	Secondary Damper	249951, 250058	250101, 250055
	v.	Lateral Damper	2478	353
	vi.	Break cylinder & Caliper	G19619-600,G19642-600, G19628-600,G19698-600	G19608-600,G19575-600, G19604-600,G19554-600
	vii.	Break Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		GMT
	xii.	Ball Joint Control arm		GMT
	xiii.	Lateral Bump stop		AVADH
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		SARITA
	xvi.	Ball joint traction lever		AVADH
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		EMSON
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9069



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9069** **COACH_NO : 196415**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 18-DEC-19**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	24/19/839
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1143
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	R-19-K-6646
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3589-E-19
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4592614
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09-19-0047

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3590-E-19
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1908677
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name UNDER FRAME

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1428
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119603
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-288
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY.PVT .LTD	2019-07-730



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33641729-0, 70AH, 110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1153/04-2019
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-573
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197517
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	S INTERNATIONAL	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197518
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	S INTERNATIONAL	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9064	BOGIE NO	197519 / 197520	DISPATCH DATE	20-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196416	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1102	1105		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	88 / 88	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JBM, SVARN INFRATEL				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	CMT, HIND				
	7	LAVATORY DOORS	CMT, HIND				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	CEMCON, AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9064	NR	LACCNX	196416	20-DEC-19

11.1 Wheel & Axle Details:

i.	Bogie No.	197519				197520			
ii.	Frame No.	ECBT-1020				BEC-09			
iii.	Bolster No.	PD-CA-2155				PD-CA-1757			
iv.	Axle No.	RWF - S5195		RWF - S3013		RWF - R3324		RWF - S2625	
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.	917.10	917.10	917.00	917.00	917.20	917.20	916.60	916.60
vii.	Wheel Disc No.	22533-8PR9-TZ	20037-8MT1-TZ	20078-8PR7-TZ	22531-8PR9-TZ	22534-8PP8-TZ	16237-8MT1-TZ	39847-8RT1-TZ	28071-8QG2-TZ
viii.	RB Nos.	43704	49105	47246	47198	46684	47247	48766	47170
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-19-10-2779	AVADH-19-10-2792	AVADH-19-10-2680	AVADH-19-10-2708

Items traceability:

11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-19-02	CMSTL
	ii.	Primary inner Spring	CMSTL-19-08	CMSTL
	iii.	Primary Damper	249462, 249449, 248701, 249544	IAI
	iv.	Secondary Damper	249970, 249963	IAI
	v.	Lateral Damper	354	GABRIEL
	vi.	Break cylinder & Caliper	G19657-600,G19643-600, G19655-60,G19697-600	FTI
	vii.	Break Disc		KBI
	viii.	Contral arm top		HAPL
	ix.	Control arm bottom		HAPL
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		GMT
	xii.	Ball Joint Control arm		GMT
	xiii.	Lateral Bump stop		AVADH
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		AVADH
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9064



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9064** **COACH_NO : 196416**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 19-DEC-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	24/19/840
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1148
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1118
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3922-H-19
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4592615
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/0056
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3920-H-19
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1908678
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
Group Name UNDER FRAME				
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1402
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	--
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2019-01-092
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021785
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF			
LHB AC 3 TIER AIR SPRING COACH			
S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME			
0 33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	MEENAKSHI ENGINEERING WORKS	NIL
1 35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	NEERA ENTERPRISES	2019-04-03
Group Name COMPARTMENT			
1 33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-575
2 33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE			
1 33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197520
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE			
2 33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197519
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	RSI SWITCHGEAR PVT.LTD	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9065	BOGIE NO	197532 / 197533	DISPATCH DATE	21-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196417	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)		
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1102	1105	
	v)	CBC (Make)			ESCORTS	ESCORTS	
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /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.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	SVARN INFRATEL, JBM				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND, CMT				
	7	LAVATORY DOORS	HIND, CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	CEMCON, AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.04, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



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

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9065	NR	LACCNX	196417	21-DEC-19

11.1 Wheel & Axle Details:

i.	Bogie No.	197532				197533			
ii.	Frame No.	ECBT-901				CA-1007			
iii.	Bolster No.	PD-CA-1696				PD-CA-1770			
iv.	Axle No.	RWF - S2602		RWF - S1591		RWF - S3170		RWF - R0953	
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	916.60	916.60	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	02511-8MM3-TZ	22895-8PS9-TZ	21978-8PR1-TZ	02509-8MM3-TZ	21938-8PN0-TZ	26816-8PQ2-TZ	02506-8MM3-TZ	18398-8MT5-TZ
viii.	RB Nos.	48801	49520	48764	46747	49480	41078	41083	49491
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-19-10-2770	AVADH-19-10-2759	AVADH-19-10-2718	AVADH-19-10-2774

Items traceability:

11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	STLI-19-02	STLI
	ii.	Primary inner Spring	STLI-19-08	STLI
	iii.	Primary Damper	247819, 248305, 249312, 247690	IAI
	iv.	Secondary Damper	250049, 250066	IAI
	v.	Lateral Damper	2498	GABRIEL
	vi.	Break cylinder & Caliper	F19662-600,G19033-600, F19723-600,F191077	FTI
	vii.	Break Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		GMT
	xii.	Ball Joint Control arm		GMT
	xiii.	Lateral Bump stop		GMT
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		SARITA
	xvi.	Ball joint traction lever		AVADH
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9065



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9065** **COACH_NO : 196417**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 20-DEC-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	26/19/947
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1155
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1133
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3905-H-19
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4773638
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/0049

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3918-H-19
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1902243
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name UNDER FRAME

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1406
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119600
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2019-05-412
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021797
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF			
LHB AC 3 TIER AIR SPRING COACH			
S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME			
0 33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1 35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1108/04-2019
Group Name COMPARTMENT			
1 33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-572
2 33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE			
1 33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197532
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE			
2 33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197533
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9070	BOGIE NO	197554 / 197555	DISPATCH DATE	24-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196418	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)		
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	v)	CBC (Make)			ESCORTS	ESCORTS	
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /min		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	88 / 88	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND				
	7	LAVATORY DOORS	HIND				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	RASANDIK, AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9070	NR	LACCNX	196418	24-DEC-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	197554				197555			
ii.	Frame No.	ECBT-896				ECBT-920			
iii.	Bolster No.	PD-CA-1646				PD-CA-2005			
iv.	Axle No.	RWF - S4449		RWF - R3032		RWF - S3601		RWF - S4463	
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	917.20	917.20	917.10	917.10	917.40	917.40
vii.	Wheel Disc No.	23811-8PR2-TZ	23712-8QG7-TZ	36489-8RR8-TZ	68140-8RP1-TZ	20599-8PP9-TZ	20596-8MT8-TZ	23829-8PR8-TZ	22851-8PN6-TZ
viii.	RB Nos.	42459	47136	48135	46596	49189	42448	48148	46860
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-19-10-2676	AVADH-19-10-2780	AVADH-19-10-2753	AVADH-19-10-2781

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-19-02	CMSTL-19-02
	ii.	Primary inner Spring	CMSTL-19-08	CMSTL-19-08
	iii.	Primary Damper	248253, 243176, 248600, 248567	248136, 247653, 247981, 248066
	iv.	Secondary Damper	250084, 249967	249913, 250066
	v.	Lateral Damper	2388	2390
	vi.	Break cylinder & Caliper	G19950-600,H19374-600, H19224-600,H19114-600	H19149-600,H19367-600, H19155-600,H19366-600
	vii.	Break Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		GMT
	xii.	Ball Joint Control arm		AVADH
	xiii.	Lateral Bump stop		AVADH
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9070



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9070** **COACH_NO : 196418**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 23-DEC-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	24/19/835
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1144
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1160
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3907-H-19
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4548633
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/0045
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3906-H-19
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1902246
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
Group Name UNDER FRAME				
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1473
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119602
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2019-01-065
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	1902-1796
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
LHB AC 3 TIER AIR SPRING COACH				
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any
Group Name UNDER FRAME				
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1110/04-2019
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-570
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIO NALS	197554
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIO NALS	197555
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9068	BOGIE NO	197574 / 197575	DISPATCH DATE	26-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196419	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1105	1100		
	v)	CBC (Make)		ESCORTS	ESCORTS		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	87 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JVR, JBM				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	HIND, SHATABDI				
	7	LAVATORY DOORS	HIND, SHATABDI				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	AMIT, METAFIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway		Type		Coach No.		Dispatch Date	
		9068	NR		LACCNX		196419		26-DEC-19	

11.1 Wheel & Axle Details:									
i.	Bogie No.	197574				197575			
ii.	Frame No.	ECBT-971				CA-1033			
iii.	Bolster No.	PD-CA-2044				PD-CA-2144			
iv.	Axle No.	RWF - S1994		RWF - S2729		RWF - S8965		RWF - S9457	
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.	916.90	916.90	917.20	917.20	917.00	917.00	917.07	917.05
vii.	Wheel Disc No.	35380-8QN6-TZ	19891-8PR3-TZ	36487-8RR8-TZ	19894-8PR3-TZ	28780-8QM0-TZ	19892-8PR3-TZ	18183-8MV0-TZ	19885-8PR7-TZ
viii.	RB Nos.	47023	49533	47024	47153	46846	49578	48142	49526
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-19-9-2979	AVADH-19-9-2981	AVADH-19-9-2998	AVADH-19-9-2969

Items traceability:				
Sno.	Item	STLI-19-02	STLI-19-08	Make
i.	Primary Outer Spring	STLI-19-02		STLI
ii.	Primary inner Spring	STLI-19-08		STLI
iii.	Primary Damper	248049, 247756, 248837, 248318		IAI
iv.	Secondary Damper	266, 272		SABOHEMA
v.	Lateral Damper	2160		GABRIEL
vi.	Break cylinder & Caliper	H19137-600,H19321-600, H19935-600,H19325-600		FTI
vii.	Break Disc			KBI
viii.	Contral arm top			KUMAR
ix.	Control arm bottom			KUMAR
x.	Top rubber Pad			AVADH
xi.	Vertical Bump Stop			AVADH
xii.	Ball Joint Control arm			AVADH
xiii.	Lateral Bump stop			AVADH
xiv.	Traction center make			SARITA
xv.	Traction lever make			SARITA AEW
xvi.	Ball joint traction lever			GMT
xvii.	Traction center elastic			GMT
xviii.	Secondary rubber pad			NA
xix.	Rubber spring			NA
xx.	Anti roll bar make			SARITA RKFL
xxi.	Ball joint roll link			SARITA
xxii.	Fork make			SARITA

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

LACCNX - 9068



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No : 9068** **COACH_NO : 196419**

RAILWAY : NR **COUPLING TYPE : CBC** **DATE OF FITMENT: 26-DEC-19**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	22/19/804
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1132
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1144
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3901-H-19
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4773535
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/0002
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	3904-H-19
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1908679
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
Group Name UNDER FRAME				
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1390
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren- Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119609
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-449
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021795
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF			
LHB AC 3 TIER AIR SPRING COACH			
S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME			
0 33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1 35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1154/04-2019
Group Name COMPARTMENT			
1 33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-987
2 33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE			
1 33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197574
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	MAA LAXMI INDUSTRY	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE			
2 33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197575
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	MAA LAXMI INDUSTRY	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9071	BOGIE NO	197584 / 197585	DISPATCH DATE	28-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	196420	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1105	1105		
	v)	CBC (Make)		SANROK	SANROK		
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	89 / 89	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	CMT				
	7	LAVATORY DOORS	CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	AMIT, METAFIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9071	NR	LACCNX	196420	28-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197584				197585			
ii.	Frame No.	ECBT-935				ECBT-932			
iii.	Bolster No.	SECPL-82				PD-CA-2169			
iv.	Axle No.	RWF - R2979		RWF - S2734		RWF - S5207		RWF - S3638	
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.	916.70	916.70	917.00	917.00	917.20	917.20	917.00	917.00
vii.	Wheel Disc No.	12810-8MQ0-TZ	23852-8PR3-TZ	14585-8MR4-TZ	22713-8NG5-TZ	43338-8SG0-TZ	12815-8MQ0-TZ	43341-8RS7-TZ	23844-8PR8-TZ
viii.	RB Nos.	48158	42492	42489	48155	49471	46836	46735	46728
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-19-10-2763	AVADH-19-10-27226	AVADH-19-10-2739	AVADH-19-10-2682

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	GBD-18-12	GBD
	ii.	Primary inner Spring	CMSTL-19-08	CMSTL
	iii.	Primary Damper	249568, 249394, 247717, 248876	IAI
	iv.	Secondary Damper	250103, 249966	SABOHEMA
	v.	Lateral Damper	2402	GABRIEL
	vi.	Break cylinder & Caliper	H19206-600,H19433-600, H19210-600,H19364-600	FTI
	vii.	Break Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		AVADH
	xi.	Vertical Bump Stop		AVADH
	xii.	Ball Joint Control arm		AVADH
	xiii.	Lateral Bump stop		AVADH GMT
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		SARITA AEW
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9071



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX **Shell No :** 9071 **COACH_NO :** 196420

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 28-DEC-19

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name **PP-SIDE**

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	24/19/866
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1136
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1126
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19-L-3204
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4662013
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/0016

Group Name **NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19-L-3203
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19112991
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name **UNDER FRAME**

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1417
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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33635493-0, 5KVA, 415/190V, 3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119629
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-395
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	RSI SWITCHGEAR PVT. LTD.	19021793
0	33641729-0, 70AH, 110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/0 09-2008, REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	GOPAL ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1158/04-2019
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	AMIT ENGINEERS	AE-SB-967
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	AMIT ENGINEERS	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIONALS	197625
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIONALS	197624
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0	33641110-0, ZS COUPLING 500A, 750V, 3-PHASE 50HZ	EDTS105,, REV-E, AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9072	BOGIE NO	197588 / 197589	DISPATCH DATE	30-DEC-19	
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO	197391	
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)				
	iv)	CBC Height	Specified: 1105 +0/-15 mm	1105	1105		
	v)	CBC (Make)		SANROK	SANROK		
	vi)	Buffer (Make)					
7.	Air Brake Testing:	Description	Specified				
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	06 - 10 Sec			
			Max Pressure in BC	3.80±0.15 Kg/cm ²			
			All Brake are applied	OK			
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /min	No brake application			
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /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.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	SHATABDI, CMT				
	7	LAVATORY DOORS	SHATABDI, CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9072	NR	LACCNX	197391	30-DEC-19

11.1 Wheel & Axle Details:									
i.	Bogie No.	197588				197589			
ii.	Frame No.	ECBT-945				ECBT-944			
iii.	Bolster No.	PD-CA-2158				PD-CA-2157			
iv.	Axle No.	RWF - S3530		RWF - S3037		RWF - S4509		RWF - S3208	
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	917.10	917.10	917.10	917.10	917.00	917.00
vii.	Wheel Disc No.	22714-8NG5-TZ	14634-8MR4-TZ	12929-8MQ3-TZ	22717-8NG5-TZ	27297-8PS3-TZ	23187-8PQ4-TZ	23816-8PQ4-TZ	27298-8PS2-TZ
viii.	RB Nos.	49504	47075	49482	47109	48954	47961	47947	48755
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-19-10-2715	AVADH-19-10-2729	AVADH-19-10-2716	AVADH-19-10-2722

Items traceability:				
Sno.	Item	CMSTL-19-02	CMSTL-19-08	Make
i.	Primary Outer Spring	CMSTL-19-02	CMSTL-19-02	CMSTL
ii.	Primary inner Spring	CMSTL-19-08	CMSTL-19-08	CMSTL
iii.	Primary Damper	249621, 247808, 248812, 249122	248828, 247826, 248554, 248162	IAI
iv.	Secondary Damper	249621, 249993	249983, 249988	SABOHEMA IAI
v.	Lateral Damper	2153	2293	GABRIEL
vi.	Break cylinder & Caliper	G19596-600,G19297-600, G19697-600,G19288-600	G19515-600,G19271-600, G19591-600,G19294-600	FTI
vii.	Break Disc			KBI
viii.	Contral arm top			KUMAR
ix.	Control arm bottom			KUMAR
x.	Top rubber Pad			AVADH
xi.	Vertical Bump Stop			AVADH
xii.	Ball Joint Control arm			AVADH
xiii.	Lateral Bump stop			GMT
xiv.	Traction center make			SARITA
xv.	Traction lever make			JI
xvi.	Ball joint traction lever			GMT
xvii.	Traction center elastic			GMT
xviii.	Secondary rubber pad			NA
xix.	Rubber spring			NA
xx.	Anti roll bar make			SARITA
xxi.	Ball joint roll link			SARITA
xxii.	Fork make			SARITA

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

LACCNX - 9072



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX Shell No : 9072 COACH_NO : 197391

RAILWAY : NR COUPLING TYPE : CBC DATE OF FITMENT: 30-DEC-19

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP-SIDE				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	30/19/968
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1157
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1119
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19-H-2771
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4548916
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	09/19/968
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19-H-2795
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19082553
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
Group Name UNDER FRAME				
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1373



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH**

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name UNDER FRAME

0 33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119630
0 33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-344
0 33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY.PVT .LTD	2019-07-741
0 33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/0 09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0 33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	MEENAKSHI ENGINEERING WORKS	NIL
1 35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1133/04-2019

Group Name COMPARTMENT

1 33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	P. D. STEELS	PDS-19070002
2 33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	P. D. STEELS	L & T

Group Name UNDER FRAME PP SIDE

1 33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIO NALS	197589
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL

Group Name UNDER FRAME NPP SIDE

2 33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIO NALS	197588
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL



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

FOR ELECTRICAL ITEMS		
ROLLING STOCK CERTIFICATE OF LHB AC 3 TIER AIR SPRING COACH		
SSE/EL/QC	AME/WM QC/DY CQM I	



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9074	BOGIE NO	197582	/ 197583	DISPATCH DATE	31-DEC-19
2.	RAILWAY	NR	TYPE OF COACH	LACCNX	COACH NO		197392
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	45.6 T					
5.	Carrying Capacity	Seating	72	Sleeping	72	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)		
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	v)	CBC (Make)			SANROK	SANROK	
	vi)	Buffer (Make)					
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm ²		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm ² /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm ² /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU PAINT		GS	88 / 88	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	SRI RAM				
	2	PVC	RESPONSIVE				
	3	UIC VESTIBULES	KRP				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	COMPOSITE MODULAR TOILET	SHATABDI, CMT				
	7	LAVATORY DOORS	SHATABDI, CMT				
	8	WATER TANKS	SHIVALIK, AMIT, MANOJ				
	9	SEAT & BEARTH	OVPL				
	10	BIO-TOILET	METAFIT, AMIT				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1-ASPIRATION FIRE/SMOKE DETECTION WITH ALARM SYSTEM AS PER RDSO SPECIFICATION NO. RDSO/2008/CG-04 REV.00, SUPPLIED AND COMMISSIONED BY M/S- SANROK ENTERPRISES , FARIDABAD, CONTACT NO. 09810566723. 2-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR.					
	10.2	Deviations (If any): NIL					



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

QMF 9829, VER:1.00

11.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9074	NR	LACCNX	197392	31-DEC-19			

11.1 Wheel & Axle Details:									
i.	Bogie No.	197582				197583			
ii.	Frame No.	ECBT-940				ECBT-895			
iii.	Bolster No.	SECPL-94				SECPL-78			
iv.	Axle No.	RWF - S3558		RWF - S1424		RWF - R1934		RWF - S3895	
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.	917.20	917.20	917.20	917.20	917.20	917.20	917.20	917.20
vii.	Wheel Disc No.	23841-8PR8-TZ	46672-8PS3-TZ	36677-8RQ3-TZ	36678-8RQ3-TZ	36500-8RQ2-TZ	17456-8MN3-TZ	17458-8MX6-TZ	36501-8RQ2-TZ
viii.	RB Nos.	47016	46672	46886	46865	48822	46992	46989	48163
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-19-09-2974	AVADH-19-09-2984	AVADH-19-10-2696	AVADH-19-10-2692

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	GBD-18-12	GBD
	ii.	Primary inner Spring	CMSTL-19-08	CMSTL
	iii.	Primary Damper	248181, 249633, 248172, 248931	IAI
	iv.	Secondary Damper	257, 277	SABOHEMA
	v.	Lateral Damper	2170	GABRIEL
	vi.	Break cylinder & Caliper	H19140-600,H19326-600, H19262-600,H19528-600	FTI
	vii.	Break Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		AVADH
	xi.	Vertical Bump Stop		AVADH
	xii.	Ball Joint Control arm		AVADH
	xiii.	Lateral Bump stop		AVADH
	xiv.	Traction center make		SARITA
	xv.	Traction lever make		SARITA
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

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

LACCNX - 9074



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF

LHB AC 3 TIER AIR SPRING COACH

TYPE OF COACH : LACCNX Shell No : 9074 COACH_NO : 197392

RAILWAY : NR COUPLING TYPE : CBC DATE OF FITMENT: 12-DEC-09

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name PP-SIDE

0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	SAB WABCO INDIA LTD.	30/19/991
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	198-R-1156
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	198-R-1128
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19-H-2768
1	33640932-1, GPS BASED P I SYSTEM PP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	4548915
2	33640993-2, SPEAKERS	EDTS173,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	ELECTRO WAVES ELECTRONICS PVT. LTD.	W4K-5119672

Group Name NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19-H-2776
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	19112983
1	33635330-1, HOT CASE	EDTS139	NOT PROVIDED	NIL
2	33635330-2, BOTTLE COOLER CUM DEEP FREEZER	EDTS139	NOT PROVIDED	NIL
2	33640932-2, GPS BASED P I SYSTEM NPP SIDE	EDTS270 TYPE-II	NOT PROVIDED	NIL

Group Name UNDER FRAME

0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3089-LHB-1559
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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB AC 3 TIER AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33635493-0, 5KVA,415/190V,3PHASE DRY TYPE DISTRIBUTION TRANSFORMER	EDTS366, Ren-Nil	ELECTRO WAVES ELECTRONICS PVT, LTD.	WLDT5-119615
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018-05-372
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	ABROL ENGINEERING COMPANY.PVT .LTD	2019-07-674
0	33641729-0, 70AH,110V, VRLA LEAD ACID MAINTENANCE FREE BATTERY(9 NOSX12V)	RDSO/PE/SPEC/AC/0 09-2008,REV-1 WITH AM-1	AMARA RAJA BATTERIES LTD.	01/2019
0	33650184-0, BATTERY BOX MOUNTING FOR LHB COACH AND 9 HOLES OF DIA 25 mm AS PER SKED-383 IN DRG.NO. 3 10113.0.76	1 10113.0.76.700.005 EXCEPT ITEM NO. 5,22,23,25 TO 27 ALT 'C'.	ANKUR ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130, TABLE-1	KONTACT CONSORTIUM INDIA PVT. LTD.	KT-1148/04-2019
Group Name COMPARTMENT				
1	33641936-1, SWITCH BOARD CABINET	EDTS-073, REV.-A	INTERNATION AL SWITCHGEAR S PVT. LTD.	SBC-RCF-19-07- 0060
2	33641936-2, DISCONNECTING & EARTHING DEVICE	EDTS-073, REV.-A	INTERNATION AL SWITCHGEAR S PVT. LTD.	L & T
Group Name UNDER FRAME PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S.INTERNATIO NALS	197593
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	MAA LAXMI INDUSTRY	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S.INTERNATIO NALS	197582
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	MAA LAXMI INDUSTRY	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL



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RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS		
ROLLING STOCK CERTIFICATE OF LHB AC 3 TIER AIR SPRING COACH		
SSE/EL/QC	AME/WM QC/DY CQM I	