



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	0007	BOGIE NO	207290	/ 207291	DISPATCH DATE	25-AUG-20
2.	RAILWAY	NR	TYPE OF COACH	LCBACK		COACH NO	204481
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	39 T					
5.	Carrying Capacity	Seating	15	Sleeping	15	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		NAROLACK	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	PREMIER POLYFILM				
	3	UIC VESTIBULES	CEMCON				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	AMIT, AMIT				
	7	COMPOSITE MODULAR TOILET	EASTERN				
	8	LAVATORY DOORS	EASTERN				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	JSL				
	11	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	JSL, JSL				
10.	10.1	Modification/ Trial (If any): 1-AUTOMATIC FIRE DETECTION CUM SUPPRESSION SYSTEM SUPPLIED AND COMMISSIONED BY M/S SANROK ENTERPRISES, FARIDABAD. 2-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. 3-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
		0007	NR	LCBACX	204481	25-AUG-20

11.1 Wheel & Axle Details:

i.	Bogie No.	207290				207291			
ii.	Frame No.	CA-1017				CA-1003			
iii.	Bolster No.	PD-CA-2860				PD-CA-2821			
iv.	Axle No.	RWF - V4746		RWF - V9616		RWF - V9228		RWF - V9462	
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	916.85	916.85	916.90	916.90	917.00	917.00
vii.	Wheel Disc No.	11120-0PE2-TZ	11117-0PE2-TZ	03587-00J8-TZ	05051-00K4-TZ	05062-00K9-TZ	03590-00J8-TZ	05391-0QL4-TZ	05390-00L4-TZ
viii.	RB Nos.	50536	408506	408106	410113	407958	503995	503134	407915
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-20-06-0922	TAYAL-20-06-0986	TAYAL-20-06-0909	TAYAL-20-06-0915

Items traceability:

11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-19-11	CMSTL
	ii.	Primary inner Spring	RSK-16-03	RSK
	iii.	Primary Damper	9727, 9813, 9746, 0233	ESCORTS
	iv.	Secondary Damper	312578, 280385	IAI
	v.	Lateral Damper	313313	IAI
	vi.	Brake cylinder & Caliper	F20342-600,F20264-600, F20344-600,F20269-600	FTI
	vii.	Brake Disc		FTI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		ARYAN
	xii.	Ball Joint Control arm		ARYAN
	xiii.	Lateral Bump stop		ARYAN
	xiv.	Traction center make		RNG
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		ARYAN
	xvii.	Traction center elastic		AVADH
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		EMSON
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		RNG

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

LCBACX - 0007



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

TYPE OF COACH : LCBACX **Shell No :** 0007 **COACH_NO :** 204481

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 24-AUG-20

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	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	I-2063
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	4999-C-20
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	ESS ESS KAY ENGG. CO.	L&T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	ESS ESS KAY ENGG. CO.	2020-05-055
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	4799008
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	HI-REL POWER ELECTRONICS PVT.LTD	HHPE-20063342

Group Name **NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	4968-C-20
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Group Name **PANTRY**

1	33635213-1, HOT CASE	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
2	33635213-2, DEEP FREEZER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
4	33635213-4, GEYSER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
5	33635213-5, CHIMNEY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
6	33635213-6, HEATER SET	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
7	33635213-7, OWEN TESTING GRILL	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
8	33635213-8, WATER PURIFIER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063



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ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PANTRY				
9	33635213-9, FLYING INSECT KILLERS	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-063
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	M/S CHANDA & CHANDA	207291
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S CHANDA & CHANDA	207290
Group Name UNDER FRAME				
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS (6V MONO BLOCK EACH) PRECHARGED WITH INTER CE	RDSO/PE/Spec./AC/009/2008 (Rev.1 WITH AM-1,RCF ANNX.-A)	AMARA RAJA BATTERIES LTD.	06/2020
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	2005-R-1056
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	2005-R-1078
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3207
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	ELECTRO WAVES ELECTRONICS PVT. LTD.	W60KA-20062
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	LIGHT ENGINEERING CORPORATION	202002132
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	LIGHT ENGINEERING CORPORATION	202002133
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	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SWITCHGEAR S & CONTROLS	2020-035-128
Group Name COMPARTMENT				
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL
Group Name PP SIDE RIGHT HAND				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-2002352
Group Name UNDER FRAME PP SIDE				



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
LHB BUFFET CAR AIR SPRING COACH				
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME PP SIDE				
1	33640580-1, FEEDR JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
1	33641110-1, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33640580-2, FEEDR JUNCTION BOX	EDTS328	LAMBA ENTERPRISES	NIL
2	33641110-2, ZS COULING 500A,750V,3-PHASE 50 HZ	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	0018	BOGIE NO	207302	/ 207303	DISPATCH DATE	28-AUG-20
2.	RAILWAY	NR	TYPE OF COACH	LCBACK		COACH NO	204483
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	39 T					
5.	Carrying Capacity	Seating	15	Sleeping	15	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	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	JBM				
	6	WATER TANKS	AMIT, SHIVALIK, AMIT				
	7	COMPOSITE MODULAR TOILET	EASTERN				
	8	LAVATORY DOORS	EASTERN				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	JSL, JSL				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	JSL, JSL				
	13	EP SYSTEM	OASIS				
10.	10.1	Modification/ Trial (If any): 1-AUTOMATIC FIRE DETECTION CUM SPPRESSION SYSTEM SUPPLIED AND COMMISSIONED BY M/S SANROK ENTERPRISES, FARIDABAD. 2-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. 3-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	
		0018	NR		LCBACX		204483		28-AUG-20	

11.1 Wheel & Axle Details:									
i.	Bogie No.	207302				207303			
ii.	Frame No.	ECBT-1108				ECBT-1111			
iii.	Bolster No.	PD-CA-2858				PD-CA-2840			
iv.	Axle No.	RWF - V9933		RWF - V3643		RWF - W7232		RWF - W0070	
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	917.00	917.00	917.10	917.10
vii.	Wheel Disc No.	10325-0PN9-TZ	05802-0OK8-TZ	05584-0OI6-TZ	05799-0OK8-TZ	10323-0PN9-TZ	40881-0OJ9-TZ	04999-0OM7-TZ	40868-0OJ9-TZ
viii.	RB Nos.	409886	505099	408436	411151	411013	408613	408012	504862
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.	AVADH-20-5-4558	AVADH-20-5-4586	AVADH-20-5-4583	AVADH-20-5-4601			

Items traceability:				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-19-11	CMSTL
	ii.	Primary inner Spring	RSK-16-03	RSK
	iii.	Primary Damper	0667, 9867, 0677, 0043	ESCORTS
	iv.	Secondary Damper	17858, 17848	KBI
	v.	Lateral Damper	313042	IAI
	vi.	Brake cylinder & Caliper	A0640-213,A0517-213, A0652-213,A0515-213	KBI
	vii.	Brake 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		ARYAN
	xiv.	Traction center make		RF
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		AVADH
	xvii.	Traction center elastic		AVADH
	xviii.	Secondary rubber pad		NA
	xix.	Rubber spring		NA
	xx.	Anti roll bar make		EMSON
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		RNG

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

LCBACX - 0018



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

TYPE OF COACH : LCBACX **Shell No :** 0018 **COACH_NO :** 204483

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 28-AUG-20

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	0120074276
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	4741-B-20
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	INTERNATIONAL SWITCHGEAR S PVT. LTD.	SBC-HB-20050084
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	INTERNATIONAL SWITCHGEAR S PVT. LTD.	L&T
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	4799031
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	HI-REL POWER ELECTRONICS PVT.LTD	HHPE-2003303

Group Name **NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	4757-B-20
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Group Name **PANTRY**

1	33635213-1, HOT CASE	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
2	33635213-2, DEEP FREEZER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
4	33635213-4, GEYSER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
5	33635213-5, CHIMNEY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
6	33635213-6, HEATER SET	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
7	33635213-7, OWEN TESTING GRILL	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PANTRY				
8	33635213-8, WATER PURIFIER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
9	33635213-9, FLYING INSECT KILLERS	EDTS118	SPECTRUM SCIENTIFIC LTD	SSGT-HB-067
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	M/S CHANDA & CHANDA	207303
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S CHANDA & CHANDA	207302
Group Name UNDER FRAME				
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS (6V MONO BLOCK EACH) PRECHARGED WITH INTER CE	RDSO/PE/Spec./AC/009/2008 (Rev.1 WITH AM-1,RCF ANNEX.-A)	AMARA RAJA BATTERIES LTD.	06/2020
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	2005-R-1016
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	19041311
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3218/ 3205
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	LIGHT ENGINEERING CORPORATION	202002150
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	LIGHT ENGINEERING CORPORATION	202002177
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	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SWITCHGEAR S & CONTROLS	2020-03-5100
Group Name COMPARTMENT				
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL
Group Name PP SIDE RIGHT HAND				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-2002344
Group Name UNDER FRAME PP SIDE				



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF LHB BUFFET CAR AIR SPRING COACH			
S.No	PL No & Item Description	Drawing No	Item Sr.No.(if any)
Group Name UNDER FRAME PP SIDE			
1	33640580-1, FEEDR JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.
1	33641110-1, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS
Group Name UNDER FRAME NPP SIDE			
2	33640580-2, FEEDR JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.
2	33641110-2, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS
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	0017	BOGIE NO	207098	/ 207143	DISPATCH DATE	29-AUG-20
2.	RAILWAY	NR	TYPE OF COACH	LCBACK		COACH NO	204482
3.	BOOKED TO	SSE/C&W/DLI					
4.	Tare Weight of Coach	39 T					
5.	Carrying Capacity	Seating	15	Sleeping	15	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	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	POLYMER				
	4	BODY SIDE DOOR	JVR				
	5	VESTIBULE SLIDING DOOR	KALSI				
	6	WATER TANKS	AMIT, SHIVALIK, AMIT				
	7	COMPOSITE MODULAR TOILET	HIND, EASTERN				
	8	LAVATORY DOORS	HIND, EASTERN				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	JSL				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	JSL, JSL				
	13	EP SYSTEM	OASIS				
10.	10.1	Modification/ Trial (If any): 1-AUTOMATIC FIRE DETECTION CUM SPPRESSION SYSTEM SUPPLIED AND COMMISSIONED BY M/S SANROK ENTERPRISES, FARIDABAD. 2-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. 3-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			
		0017	NR	LCBACX	204482	29-AUG-20			

11.1 Wheel & Axle Details:									
i.	Bogie No.	207098				207143			
ii.	Frame No.	BEC-187				BEC-189			
iii.	Bolster No.	PD-CA-2533				AMIT-176			
iv.	Axle No.	RWF - Y1556		RWF - Y3485		RWF - V3991		RWF - V6368	
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	916.50	916.50	916.70	916.70	917.30	917.30
vii.	Wheel Disc No.	02873-00L7-TZ	03042-00L7-TZ	78992-9VF9-TZ	05879-00M7-TZ	94666-9XH7-TZ	76565-9VD0-TZ	94553-9VC1-TZ	94667-9VG2-TZ
viii.	RB Nos.	407882	504776	409541	300200	409794	408134	408755	504792
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.	AVADH-20-1-3882	AVADH-20-1-3863	AVADH-20-1-3832	AVADH-19-12-3712

Items traceability:					
Sno.	Item	Make			
i.	Primary Outer Spring	CMSTL-19-10	CMSTL-19-11	CMSTL	
ii.	Primary inner Spring	RSK-16-03	RSK-16-03	RSK	
iii.	Primary Damper	319271, 310753, 310832, 311118	310752, 311220, 311090, 311352	IAI	
iv.	Secondary Damper	17950, 17939	17886, 18809	KBI	
v.	Lateral Damper	305797	305860	IAI	
vi.	Brake cylinder & Caliper	A0130-213,A0131-213, A0123-213,A0129-213	A0126-213,A0093-213, A0114-213,A0079-213	KBI	
vii.	Brake Disc			KBI	
viii.	Contral arm top			KUMAR	
ix.	Control arm bottom			KUMAR	
x.	Top rubber Pad			ARYAN	
xi.	Vertical Bump Stop			ARYAN	
xii.	Ball Joint Control arm			ARYAN	
xiii.	Lateral Bump stop			AVADH	ARYAN
xiv.	Traction center make			EMSON	RNG
xv.	Traction lever make			JI	
xvi.	Ball joint traction lever			GMT	AVADH
xvii.	Traction center elastic			AVADH	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			EMSON	

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

LCBACX - 0017



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

TYPE OF COACH : LCBACX **Shell No :** 0017 **COACH_NO :** 204482

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 29-AUG-20

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	01200114724
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	20-G-4135
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	SBC-HB-20020082
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	L&T
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	4766975
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	ELECTRONICS EQUIPMENT CO. PVT. LTD.	06200094
Group Name NON-PP SIDE				
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	20-G-4142
Group Name PANTRY				
1	33635213-1, HOT CASE	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
2	33635213-2, DEEP FREEZER	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
4	33635213-4, GEYSER	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
5	33635213-5, CHIMNEY	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
6	33635213-6, HEATER SET	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
7	33635213-7, OWEN TESTING GRILL	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
8	33635213-8, WATER PURIFIER	EDTS118	VISHAL GAS SERVICE	01-K-07-2020



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS

**ROLLING STOCK CERTIFICATE OF
LHB BUFFET CAR AIR SPRING COACH**

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PANTRY				
9	33635213-9, FLYING INSECT KILLERS	EDTS118	VISHAL GAS SERVICE	01-K-07-2020
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	M/S CHANDA & CHANDA	207098
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S CHANDA & CHANDA	207143
Group Name UNDER FRAME				
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS (6V MONO BLOCK EACH) PRECHARGED WITH INTER CE	RDSO/PE/Spec./AC/009/2008 (Rev.1 WITH AM-1,RCF ANNEX.-A)	HBL	07/2020
1	33635080-1, PUMP	EDTS186	L E CORP. KAPSONS	199-R-1183
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS	19041297
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMERS	VTC-3196/ 3210
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	LIGHT ENGINEERING CORPORATION	202002115
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	LIGHT ENGINEERING CORPORATION	202002178
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	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	NEC SWITCHGEAR S & CONTROLS	2020-01-3360
Group Name COMPARTMENT				
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL
Group Name PP SIDE RIGHT HAND				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	2003636
Group Name UNDER FRAME PP SIDE				



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
LHB BUFFET CAR AIR SPRING COACH				
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME PP SIDE				
1	33640580-1, FEEDR JUNCTION BOX	EDTS328	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
1	33641110-1, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
Group Name UNDER FRAME NPP SIDE				
2	33640580-2, FEEDR JUNCTION BOX	EDTS328	LAMBA ENTERPRISES	NIL
2	33641110-2, ZS COULING 500A,750V,3-PHASE 50 HZ	EDTS105,,REV-E,AM1&2 WITH ANN. A	PRIME ELECTRONICS	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		