



**RAIL COACH FACTORY, KAPURTHALA**  
**ROLLING STOCK CERTIFICATE (LHB)**

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	0253	BOGIE NO	208725	/ 208726	DISPATCH DATE	02-JAN-21
2.	RAILWAY	SR	TYPE OF COACH	LVPHX		COACH NO	203511
3.	BOOKED TO	SSE/C&W/CHENNAI					
4.	Tare Weight of Coach	33.5 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	6.1	Leading Dimensions:					
	i)	Maximum length over Body			23700+10/-0		
	ii)	Maximum width over Body			3240-8/+0 mm, 3050 mm (for LWSCZDAC)		
	iii)	Maximum height from Rail Level			4250 (for LWACCN), 4039 (for LWACCW, LGS, LWSCN, LWSCZAC, LWFAC, LWCBC, LWLRRM), 4366 (for LWSCZDAC)		
	iv)	CBC Height	Specified: 1105 +0/-15 mm		1105	1105	
	v)	CBC (Make)			SANROK	SANROK	
	vi)	Buffer (Make)			RIL	RIL	
7.	Air Brake Testing:		Description		Specified		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm <sup>2</sup>		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm <sup>2</sup> /mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm <sup>2</sup> /Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU		GS	89 / 89	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	NOT APPLICABLE				
	2	LUGGAGE RACK	EASTMAN				
	3	EP BRAK / BRAKE EQUIPMENT	KBI				
	4	ROOF CEILING	RAIL TECH				
10.	10.1	Modification/ Trial (If any): 1.VINYL FILM WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JUC.					
		UNDER FRAME:-KANSAL, SIDE WALL:-HANSPAL, ROOF:-RAIL TECH					
	10.2	Deviations (If any): NIL					



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**QMF 9829, VER:1.00**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		0253	SR	LVPHX	203511	02-JAN-21			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	208725				208726			
ii.	Frame No.	SCI-FM-3159				ECBT-1900			
iii.	Bolster No.	WIL-231				AMIT-09			
iv.	Axle No.	RWF - A8581		RWF - A6401		RWF - A3760		RWF - A7548	
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	916.80	916.80	916.90	916.90
vii.	Wheel Disc No.	17468- 0PJ2-TZ	07552- 0PF3-TZ	06653- 0PF9-TZ	17469- 0PL8-TZ	06879- 0PG4-TZ	17581- 0PP1-TZ	11920- 0PH8-TZ	13197- 0PN5-TZ
viii.	RB Nos.	427536	425962	427347	427699	426349	427441	429057	426569
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

  

<b>11.2 Secondary suspension load deflection Values:</b>				
Description	Lateral Damper Side	Non-Lat. Damper Side	Lateral Damper Side	Non-Lat. Damper Side
i. Make & Nos.	TAYAL-20-06-0360	TAYAL-20-06-0176	AVADH-20-09-11607	AVADH-20-09-11644

  

<b>Items traceability:</b>				
<b>11.3</b>	<b>Sno.</b>	<b>Item</b>	<b>Make</b>	
	i.	Primary Outer Spring	CMSTL-20-08	CMSTL-20-08
	ii.	Primary inner Spring	CMSTL-20-06	CMSTL-20-06
	iii.	Primary Damper	7641, 7405, 7406, 7639	7658, 7565, 7681, 7665
	iv.	Secondary Damper	344269, 344443	344570, 344421
	v.	Lateral Damper	340981	340907
	vi.	Brake cylinder & Caliper	D1676-261,D0134-261, D1677-261,D0153-261	D1605-261,D0002-261, D1620-261,D0012-261
	vii.	Brake Disc		FTI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		ARYAN
	xi.	Vertical Bump Stop		BASANT
	xii.	Ball Joint Control arm		BASANT
	xiii.	Lateral Bump stop		ARYAN
	xiv.	Traction center make		RNG
	xv.	Traction lever make		TJB
	xvi.	Ball joint traction lever		ARYAN
	xvii.	Traction center elastic		BASANT
	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

  

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

**LVPHX - 0253**



**RAIL COACH FACTORY, KAPURTHALA**  
**ROLLING STOCK CERTIFICATE (LHB)**

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF**

**LHB VP PARCEL VAN HIGH CAPACITY COACH**

**TYPE OF COACH :** LVPHX      **Shell No :** 0253      **COACH\_NO :** 203511

**RAILWAY :** SR      **COUPLING TYPE :** CBC      **DATE OF FITMENT:** 02-JAN-21

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

1    33635067-1, BOGIE 1	EDTS101 ,REV-C,AM-1,COR-6.	S INTERNATIONAL	208726
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**Group Name**      **BOGIE NPP SIDE**

2    33635067-2, BOGIE 2	EDTS101 ,REV-C,AM-1,COR-6.	S INTERNATIONAL	208725
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**Group Name**      **UNDER FRAME**

0    33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC NAC COACHES as per Drg.No. RDSO/2011/CG-04	RDSO/2011/CG-04 REV.01 with amendment -1 (WITHOUT BRAKE DISC AND EMERGENCY BRAKE CABLE BOX NPZ 1-S OR PASSENGER EMERGENCY PILOT VALVE) AND Dy.CME/D2's LETTER NO. MD46131 DT. 11/06/2015	KNORR-BREMSE INDIA PVT. LTD.	0120175144
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0    33635043-0, 9KVA 750V/415V/190V AC, 3-PHASE,STAR-STAR-STAR, DRY TYPE,AIR COOLED POWER DISTRIBUTION TRANSFORMER F	RDSO/PE//SPEC/TL/0 158-2010,REV-0,TYPE-1	VIMAL TRANSFORMER CARPN.	VTC-4028
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0    33640178-0, BATTERY FUSE BOX -VE, as per Drawing: LW71002,ALT-J., Packing Instruction(PI091 VER2.0): SUITABLY CO	LW71002,ALT-I.	NEC SWITCHGEARS & CONRTROL	2020065723
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0    33640786-0, BATTERY FUSE BOX +VE, as per Drawing: LW71001,ALT-I., Packing Instruction(PI091 VER2.0): SUITABLY CO	LW71001,ALT"-H"	UPS INTERNATIONAL	UPSI/16
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0    33641419-0, 4.5 KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES. as	RDSO/PE/SPEC/AC/0 183-2018,REV-1.	PI ENGINEERING WORKS	20100446
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0    33641729-0, 70AH,110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9 MODULES OF 12V EACH PRECHARGED BATTE	RDSO/PE/SPEC/AC/0 009-2014,REV-2,PRECHARGED.	HBL POWER SYSTEMS LIMITED	11/20
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S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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**Group Name      UNDER FRAME**

0 33642631-0, SET OF PANEL (FOR LHB NON AC COACHES) WITHOUT LV PANEL	EDTS355,REV-1,AM3.	INTEG ELECTRONICS	20201003
3 33642813-3, 16 PIN CONTROL COUPLER & UIC CONTROL CABLE	EL/LVPHX VERSION 2	SCHALBAU (SYSTEM & SERVICES)	NIL
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 'CR' AND SKED-383 IN DRG.NO. 3 10113.0.76.700.117	MEENAKSHI ENGG WORKS	NIL

**Group Name      COMPARTMENT**

0 33642837-0, LED BASED LIGHT FITTING FOR VPH COACHES TYPE-J, WITH FIRE PROOF MEASURES.  , as per Drawing: RDSO/PE/	RDSO/PE/SPEC/TL/00 91-2016,REV-1,WITH RCF ANN. 1&2.	R.T. VISION	NIL
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**Group Name      UNDER FRAME PP SIDE**

1 33640154-1, UNDERFRAME PP SIDE	RDSO/PE/SPEC/AC/0 177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	PRIME ELECTRONICS	NIL
1 33642813-1, FEEDER JUNCTION BOX PP SIDE	EL/LVPHX VERSION 2	SYSTEM & SERVICES (POWER CONTROL)	FEEDER JUNCTION BOX

**Group Name      UNDER FRAME NPP SIDE**

2 33640154-2, UNDERFRAME NPP SIDE	RDSO/PE/SPEC/AC/0 177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	PRIME ELECTRONICS	NIL
2 33642813-2, FEEDER JUNCTION BOX NPP SIDE	EL/LVPHX VERSION 2	SYSTEM & SERVICES (POWER CONTROL)	FEEDER JUNCTION BOX

**SSE/EL/QC**

**AME/WM QC/DY CQM I**