



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

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	0183	BOGIE NO	208161	/ 208162	DISPATCH DATE	30-OCT-20
2.	RAILWAY	SCR	TYPE OF COACH	LVPHX		COACH NO	203394
3.	BOOKED TO	SSE/C&W/SC					
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	1103	
	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/cm2		06 - 10 Sec		
			Max Pressure in BC		3.80±0.15 Kg/cm2		
			All Brake are applied		OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 Kg/cm2/mi		No brake application		
	7.3	Sensitivity	Exhaust BP @ 0.1 Kg/cm2/Sec, After 02 Sec		Brake must apply		
8.	Painting Details:		Type of Paint		Make	Average Gloss Value	
	8.1	Paint	PU		GS	87 / 87	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	---				
	2	LUGGAGE RACK	JBR				
	3	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	4	ROOF CEILING	RAIL FAB				
10.	10.1	Modification/ Trial (If any): 1.VINYL FILM WRAPPING SUPPLIED AND FITTED BY M/S EMPRISE MARKETTING, LUCKNOW.					
	10.2	Deviations (If any): NIL					



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QMF 9829, VER:1.00

11.	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date
		0183	SCR	LVPHX	203394	30-OCT-20

  

11.1 <b>Wheel &amp; Axle Details:</b>									
i.	Bogie No.	208161				208162			
ii.	Frame No.	ECBT-2062				FIAT LG-1801			
iii.	Bolster No.	SF-CA-3140				P-CA-3117			
iv.	Axle No.	RWF - A0285		RWF - Y3980		RWF - W7220		RWF - Z4077	
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	917.17	917.17	917.10	917.10	917.00	917.00
vii.	Wheel Disc No.	13545- OPN0-TZ	19659- OPK6-TZ	19663- OPK6-TZ	19661- OPK6-TZ	22234- OPJ0-TZ	21013- OPL0-TZ	22839- OPG8-TZ	22840- OPG8-TZ
viii.	RB Nos.	422475	421382	421443	421660	420462	422521	421638	420137
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							

  

11.2 <b>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-20-7-1800	TAYAL-20-7-1810	TAYAL-20-7-1687	TAYAL-20-7-1632

  

<b>Items traceability:</b>				
11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	CMSTL-20-09	CMSTL-20-09
	ii.	Primary inner Spring	FSK-20-07	FSK-20-07
	iii.	Primary Damper	331092, 330624, 330772, 330819	331106, 330618, 331083, 330883
	iv.	Secondary Damper	3801, 3848	344103, 344015
	v.	Lateral Damper	1444	1407
	vi.	Brake cylinder & Caliper	K20083-700,K20020-700, K20082-700,K20019-700	K20064-700,K20058-700, K20063-700,K20056-700
	vii.	Brake Disc		KBI
	viii.	Contral arm top		KUMAR
	ix.	Control arm bottom		KUMAR
	x.	Top rubber Pad		BASANT
	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		TJB
	xvi.	Ball joint traction lever		BASANT
	xvii.	Traction center elastic		ARYAN
	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

LVPHX - 0183



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 :** 0183      **COACH\_NO :** 203394

**RAILWAY :** SCR      **COUPLING TYPE :** CBC      **DATE OF FITMENT:** 30-OCT-20

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
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Group Name	BOGIE PP SIDE
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1 33635067-1, BOGIE 1	EDTS101 ,REV-C,AM-1,COR-6.	S INTERNATION AL	208161
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Group Name	BOGIE NPP SIDE
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2 33635067-2, BOGIE 2	EDTS101 ,REV-C,AM-1,COR-6.	S INTERNATION AL	208162
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Group Name	UNDER FRAME
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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	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	I-2750
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 TRANSFORME R CARPN.	VTC-3688
0 33640178-0, BATTERY FUSE BOX -VE as per Drg.No. LW71002 ALT-I.	LW71002,ALT-I.	RADIANT ELECTRICAL & ALLIED INDUSTRIES	2020-07-382
0 33640786-0, BATTERY FUSE BOX +VE as per Drg.No. LW71001,ALT"-H"	LW71001,ALT"-H"	RADIANT ELECTRICAL & ALLIED INDUSTRIES	2020-06-369
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.	HITACHI-HI- REL POWER ELECTRONICS PVT.LTD	07203637
0 33641729-0, 70AH,110V, VRLA MONOBLOCK LEAD ACID MAINTENANCE FREE SET WITH 9MDLS OF 12V EACH PRECHARGED BATTERY(9	RDSO/PE/SPEC/AC/0 009-2014,REV- 2,PRECHARGED.	AMARA RAJA BATTERIES LTD.	07/20



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LHB VP PARCEL VAN HIGH CAPACITY COACH				
S.No PL No & Item Description		Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME				
0	33642631-0, SET OF PANEL(FOR LHB NON AC COACHES) WITHOUT LV PANEL AS PER DRAWING/SPEC. EDTS355,REV-1, AM3.	EDTS355,REV-1,AM3.	ESS ESS KEY ENGINEERING SERVICE PVT LTD	2020-08-040
3	33642813-3, 16 PIN CONTROL COUPLER & UIC CONTROL CABLE	EL/LVPHX VERSION 1	SCHALBAU (NEC)	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	JS INDOTECH OCP PVT. LTD.	NIL
Group Name COMPARTMENT				
0	33642837-0, LED BASED LIGHT FITTING FOR VPH COACHES TYPE-J,WITH FIRE PROOF MEASURES.  AS PER DRAWING/SPEC. RDSO/	RDSO/PE/SPEC/TL/00 91-2016,REV-1,WITH RCF ANNEX. 1&2.	R.T. VISION	NIL
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,	MAA LAXMI INDUSTRY	NIL
1	33642813-1, FEEDER JUNCTION BOX PP SIDE	EL/LVPHX VERSION 1	NEC SWITCHGEAR & CONTROLS	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,	S INTERNATIONAL	NIL
2	33642813-2, FEEDER JUNCTION BOX NPP SIDE	EL/LVPHX VERSION 1	NEC SWITCHGEAR & CONTROLS	FEEDER JUNCTION BOX
SSE/EL/QC		AME/WM QC/DY CQM I		