



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9021	BOGIE NO	206325	/ 206326	DISPATCH DATE	25-FEB-20
2.	RAILWAY	NR	TYPE OF COACH	LVPHX		COACH NO	201674
3.	BOOKED TO	SSE/C&W/DLI					
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, 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	85 / 85	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	TWPL				
	2	LUGGAGE RACK	HANSPAL				
	3	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1.VINYL FILM 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
		9021	NR	LVPHX	201674	25-FEB-20

11.1 Wheel & Axle Details:									
i.	Bogie No.	206325				206326			
ii.	Frame No.	ECBT-130				ECBT-1303			
iii.	Bolster No.	AMIT-22				AMIT-15			
iv.	Axle No.	RWF - T3524		RWF - S4276		RWF - T7322		RWF - T4368	
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	917.10	917.10	917.00	917.00	916.80	916.80
vii.	Wheel Disc No.	94926-9WM5-TZ	80355-9WH2-TZ	85980-9WF9-TZ	82870-9WL5-TZ	53683-9PD3-TZ	45062-9WG9-TZ	94928-9WM5-TZ	80356-9WH2-TZ
viii.	RB Nos.	45090	45883	44989	41942	45023	45062	36332	42401
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-20-01-7270	AVADH-20-01-7257	AVADH-20-01-7267	AVADH-20-01-6806

Items traceability:				
11.3	Sno. Item			Make
	i. Primary Outer Spring	CMSTL-19-12	CMSTL-19-12	CMSTL
	ii. Primary inner Spring	CMSTL-19-07	CMSTL-19-07	CMSTL
	iii. Primary Damper	262076, 261309, 261777, 261596	262069, 261873, 261655, 261782	IAI
	iv. Secondary Damper	2799, 2534	2794, 2339	GABRIEL
	v. Lateral Damper	296936	296539	IAI
	vi. Brake cylinder & Caliper	A20017-700,N19002-700, A20007-700,N19003-700	M19153-700,L19041-700, A20034-700,L19040-700	FTI
	vii. Brake 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			EMSON
	xv. Traction lever make			TAJ
	xvi. Ball joint traction lever			GMT
	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			SARITA

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

LVPHX - 9021



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 : 9021 COACH_NO : 201674

RAILWAY : NR COUPLING TYPE : CBC DATE OF FITMENT: 25-FEB-20

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	M/S MAA LAXMI INDUSTRY	NIL
Group Name BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S MAA LAXMI INDUSTRY	NIL
Group Name UNDER FRAME				
0	33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	11280
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.	NIL
0	33635043-0, 9KVA 750V/415V/190V AC, 3-PHASE,STAR-STAR-STAR, DRY TYPE,AIR COOLED POWER DISTRIBUTION TRANSFORMER F	RDSO/PE/TL/0158-2010,REV-0,TYPE-1	MAA LAXMI INDUSTRIES	050
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTERNATIONAL SWITCHGEAR PVT LTD	NIL
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	MAA LAXMI INDUSTRIES	NIL
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTERNATIONAL SWITCHGEAR PVT LTD	NIL
0	33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	11/19/0054
1	33642000-1, UNDERSLUNG SWITCH BOARD CABINET	EDTS355	AMIT ENGINEERS	AE-USBC-1685
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
Group Name COMPARTMENT				
0	45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT)	CC76460	KAVERI INDUSTRIES	NIL
Group Name UNDER FRAME PP SIDE				



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
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 PP SIDE				
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL	NIL
Group Name UNDER FRAME NPP SIDE				
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		



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

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9026	BOGIE NO	206337	/ 206338	DISPATCH DATE	25-FEB-20
2.	RAILWAY	NR	TYPE OF COACH	LVPHX	COACH NO	201673	
3.	BOOKED TO	SSE/C&W/DLI					
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, 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	86 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	TWPL				
	2	LUGGAGE RACK	HANSPAL				
	3	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1.VINYL FILM 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				
		9026	NR	LVPHX	201673	25-FEB-20				
11.1 Wheel & Axle Details:										
	i.	Bogie No.	206337				206338			
	ii.	Frame No.	ECBT-1169				SCI-FM-2907			
	iii.	Bolster No.	AMIT-09				AMIT-07			
	iv.	Axle No.	RWF - S7787		RWF - T3874		RWF - T7169		RWF - S8208	
	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	917.25	917.25	917.00	917.00	917.20	917.20
	vii.	Wheel Disc No.	90422-9VE7-TZ	84285-9VD3-TZ	90420-9VE7-TZ	84283-9VD3-TZ	77588-9WG9-TZ	85039-9WM6-TZ	90423-9WH8-TZ	84286-9VD3-TZ
	viii.	RB Nos.	37162	41844	36250	46375	46358	41888	46081	38374
	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-20-1-6809		AVADH-20-01-7262		AVADH-20-1-6782		AVADH-20-1-6811		
Items traceability:										
11.3	Sno.	Item					Make			
	i.	Primary Outer Spring	STLI-19-12			STLI-19-12			STLI	
	ii.	Primary inner Spring	STLI-19-07			STLI-19-07			STLI	
	iii.	Primary Damper	261716, 261766, 261818, 261752			261807, 261548, 261685, 260957			IAI	
	iv.	Secondary Damper	2300, 2354			2357, 2333			GABRIEL	
	v.	Lateral Damper	297055			262444			IAI	
	vi.	Brake cylinder & Caliper	A20072-700,C19023-700, A20075-700,A20019-700			A20057-700,A20024-700, H18135-700,A20021-700			FTI	
	vii.	Brake Disc							FTI	
	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							EMSON	
	xv.	Traction lever make							TAJ	
	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							

LVPHX - 9026



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 :** 9026 **COACH_NO :** 201673

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 25-FEB-20

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-"A"	M/S MAA LAXMI INDUSTRY	NIL
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Group Name **BOGIE NPP SIDE**

2 33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S MAA LAXMI INDUSTRY	NIL
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Group Name **UNDER FRAME**

0 33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	11423
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.	NIL
0 33635043-0, 9KVA 750V/415V/190V AC, 3-PHASE,STAR-STAR-STAR, DRY TYPE,AIR COOLED POWER DISTRIBUTION TRANSFORMER F	RDSO/PE/TL/0158-2010,REV-0,TYPE-1	VIMAL TRANSFORMER CORPN.	2420
0 33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTERNATIONAL SWITCHGEAR PVT LTD	NIL
0 33640580-0, FEEDER JUNCTION BOX	EDTS328	HIND RECTIFIERS LIMITED	NIL
0 33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTERNATIONAL SWITCHGEAR PVT LTD	NIL
0 33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	11/19/0035
1 33642000-1, UNDERSLUNG SWITCH BOARD CABINET	EDTS355	AMIT ENGINEERS	AE-USBC-1690
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

Group Name **COMPARTMENT**

0 45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT)	CC76460	KAVERI INDUSTRIES	NIL
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Group Name **UNDER FRAME PP SIDE**



RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF 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 PP SIDE				
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL	NIL
Group Name UNDER FRAME NPP SIDE				
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL	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	9024	BOGIE NO	206335 / 206336	DISPATCH DATE	26-FEB-20	
2.	RAILWAY	NR	TYPE OF COACH	LVPHX	COACH NO	201675	
3.	BOOKED TO	SSE/C&W/DLI					
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, 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, TWPL				
	2	LUGGAGE RACK	HANSPAL				
	3	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1.VINYL FILM 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
		9024	NR	LVPHX	201675	26-FEB-20

11.1 Wheel & Axle Details:

i.	Bogie No.	206335				206336			
ii.	Frame No.	ECBT-1300				SCI-FM-2909			
iii.	Bolster No.	PD-CA-2448				AMIT-08			
iv.	Axle No.	RWF - Y8064		RWF - S8588		RWF - P7157		RWF - T7235	
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	917.00	917.00	916.80	916.80
vii.	Wheel Disc No.	39334-90G4-TZ	31922-90E8-TZ	31923-90G8-TZ	39332-90G4-TZ	26205-8PT0-TZ	32754-9QF6-TZ	77592-9WG9-TZ	53684-9PD3-TZ
viii.	RB Nos.	32642	43868	43521	43515	44760	42133	36104	37142
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-20-1-6768	AVADH-20-1-7242	AVADH-20-1-6770	AVADH-20-1-6778

Items traceability:

11.3	Sno.	Item	Make	
	i.	Primary Outer Spring	STLI-19-12	STLI
	ii.	Primary inner Spring	STLI-19-07	STLI
	iii.	Primary Damper	260731, 260735, 260800, 260821	IAI
	iv.	Secondary Damper	2796, 2795	GABRIEL
	v.	Lateral Damper	297013	IAI
	vi.	Brake cylinder & Caliper	A20080-700,A20027-700, A20079-700,A20028-700	FTI
	vii.	Brake Disc		FTI
	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		EMSON
	xv.	Traction lever make		TAJ
	xvi.	Ball joint traction lever		GMT
	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		SARITA

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

LVPHX - 9024



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 :** 9024 **COACH_NO :** 201675

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 26-FEB-20

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-"A"	M/S MAA LAXMI INDUSTRY	NIL
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Group Name **BOGIE NPP SIDE**

2 33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S MAA LAXMI INDUSTRY	NIL
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Group Name **UNDER FRAME**

0 33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	11439
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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.	NIL
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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/TL/0158-2010,REV-0,TYPE-1	MAA LAXMI INDUSTRIES	MLI/TRAN/9KVA/016
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0 33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTERNATIONAL SWITCHGEAR PVT LTD	NIL
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0 33640580-0, FEEDER JUNCTION BOX	EDTS328	HIND RECTIFIERS LIMITED	NIL
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0 33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTERNATIONAL SWITCHGEAR PVT LTD	NIL
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0 33641419-0, REGULATED BATTERY CHARGER	EDTS109	IC ELECTRICALS	
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1 33642000-1, UNDERSLUNG SWITCH BOARD CABINET	EDTS355	AMIT ENGINEERS	AE-USBC-1677
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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
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Group Name **COMPARTMENT**

0 45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT)	CC76460	KAVERI INDUSTRIES	NIL
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Group Name **UNDER FRAME PP SIDE**



रॉलिंग स्टॉक प्रमाणपत्र
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF 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 PP SIDE				
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL	NIL
Group Name UNDER FRAME NPP SIDE				
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL	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	9032	BOGIE NO	206341 / 206342	DISPATCH DATE	28-FEB-20	
2.	RAILWAY	NR	TYPE OF COACH	LVPHX	COACH NO	201676	
3.	BOOKED TO	SSE/C&W/DLI					
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, 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	85 / 85		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	FLOOR BOARD	TWPL				
	2	LUGGAGE RACK	HANSPAL				
	3	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
10.	10.1	Modification/ Trial (If any): 1.VINYL FILM 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
		9032	NR	LVPHX	201676	28-FEB-20

11.1 Wheel & Axle Details:									
i.	Bogie No.	206341				206342			
ii.	Frame No.	ECBT-1368				ECBT-1370			
iii.	Bolster No.	AMIT-28				NE-56			
iv.	Axle No.	RWF - T7351		RWF - T7145		RWF - S9053		RWF - T4140	
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	917.00	917.00	917.10	917.10	917.10	917.10
vii.	Wheel Disc No.	84281-9VD3-TZ	80358-9WH2-TZ	97774-9XG7-TZ	94293-9WM1-TZ	64411-9RP4-TZ	31942-9MH6-TZ	70297-9RN9-TZ	39330-9OG4-TZ
viii.	RB Nos.	45361	46008	35844	45915	43517	42542	42912	43519
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-20-1-6725	AVADH-20-1-6768	AVADH-20-1-6706	AVADH-20-1-6786

Items traceability:				
Sno.	Item			Make
i.	Primary Outer Spring	STLI-19-12	STLI-19-12	STLI
ii.	Primary inner Spring	STLI-19-07	STLI-19-07	STLI
iii.	Primary Damper	260776, 261162, 261759, 262080	261065, 261175, 261756, 262078	IAI
iv.	Secondary Damper	2355, 2360	2416, 2423	GABRIEL
v.	Lateral Damper	296954	269888	IAI
vi.	Brake cylinder & Caliper	A20078-700,M19048-700, A20076-700,M19053-700	A20071-700,A20023-700, A20060-700,A20022-700	FTI
vii.	Brake Disc			FTI
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
xvi.	Ball joint traction lever			GMT
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			SARITA

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

LVPHX - 9032



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 :** 9032 **COACH_NO :** 201676

RAILWAY : NR **COUPLING TYPE :** CBC **DATE OF FITMENT:** 26-FEB-20

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-"A"	MAA LAXMI INDUSTRIES	NIL
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Group Name **BOGIE NPP SIDE**

2 33635067-2, BOGIE 2	EDTS101 REV-"A"	MAA LAXMI INDUSTRIES	NIL
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Group Name **UNDER FRAME**

0 33501427-0, AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NAC COACHES	MDTS077 REV. 02	FAIVELEY TRANSPORT RAIL TECH. INDIA LTD.	11424
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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/0009/2008 (Rev.1 WITH AM-1,RCF ANNEX.-A)	HBL POWER SYSTEM LIMITD	NIL
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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/TL/0158-2010,REV-0,TYPE-1	MAA LAXMI INDUSTRIES	MLI-TRAN-6KVA-051
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0 33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTERNATION AL SWITCHGEAR PVT LTD	NIL
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0 33640580-0, FEEDER JUNCTION BOX	EDTS328	HIND RECTIFIERS LIMITED	NIL
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0 33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTERNATION AL SWITCHGEAR PVT LTD	NIL
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0 33641419-0, REGULATED BATTERY CHARGER	EDTS109	ELECTRONICS EQUIPMENT CO. PVT. LTD.	ENTRY MISSING
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1 33642000-1, UNDERSLUNG SWITCH BOARD CABINET	EDTS355	AMIT ENGINEERS	AE/USBC/1693
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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
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Group Name **COMPARTMENT**

0 45906350-0, LED LIGHT FITTING FOR MEMU (DMC/TC) TYPE COACHES (18 WATT)	CC76460	KAVERI INDUSTRIES	NIL
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Group Name **UNDER FRAME PP SIDE**



रॉलिंग स्टॉक प्रमाणपत्र
RAIL COACH FACTORY, KAPURTHALA
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF LHB VP PARCEL VAN HIGH CAPACITY COACH			
S.No PL No & Item Description		Drawing No	Item Sr.No.(if any)
Group Name UNDER FRAME PP SIDE			
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ		EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL NIL
Group Name UNDER FRAME NPP SIDE			
0 33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ		EDTS105,,REV- E,AM1&2 WITH ANNX. A	PRIME ELECTRICAL NIL
SSE/EL/QC		AME/WM QC/DY CQM I	