



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

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9002	BOGIE NO	196577 / 196578	DISPATCH DATE	24-MAY-19	
2.	RAILWAY	NR	TYPE OF COACH	LWCBAC	COACH NO	193777	
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	1102	1104		
	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 <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 PAINT	NAROLACK	89 / 87		
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT	KBI				
	2	BIO-TOILET	RAIL FAB, JSL				
	3	FLOOR BOARD	TWPL				
	4	PVC	RESPONSIVE				
	5	UIC VESTIBULES	POLYMER				
	6	WATER TANKS	AMIT, RAIL FAB				
	7	BODY SIDE DOOR	JVR				
	8	VESTIBULE SLIDING DOOR	JBM				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	LAVATORY DOORS	SHATABDI				
10.	10.1	Modification/ Trial (If any):					
		1-SUPRESION - RESION SYSTEM SUPPLIED AND COMMISSIONED BY M/S INNOVATIVE RAIL MAINTENANCE PRIVATE LIMITED.					
	10.2	Deviations (If any): NIL					



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

**QMF 9829, VER:1.00**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date
		9002	NR	LWCBAC	193777	24-MAY-19

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	196577				196578			
ii.	Frame No.	ECBT-325				ECBT-328			
iii.	Bolster No.	PD-CA-1479				SF-CA-731			
iv.	Axle No.	M-2923		M-2916		J-2076		K-5669	
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.	916.80	916.80	916.14	916.14	917.30	917.30	917.20	917.20
vii.	Wheel Disc No.	38132-8RT0-TZ	38141-8RR1-TZ	38729-8RQ9-TZ	38138-8RT0-TZ	43427-8RQ9-TZ	45173-8RS8-TZ	40479-8RL3-TZ	41896-8RQ5-TZ
viii.	RB Nos.	25408	24897	24562	24407	14065	16146	15895	16056
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.	AVADH-19-02-1184	AVADH-19-02-1221	AVADH-19-02-1231	AVADH-19-02-1223

  

<b>Items traceability:</b>				
<b>11.3</b>	<b>Sno.</b>	<b>Item</b>	<b>Make</b>	
	i.	Primary Outer Spring	RSK-19-01	RSK-19-01
	ii.	Primary inner Spring	RSK-16-03	RSK-16-03
	iii.	Primary Damper	214550, 214803, 214482, 214411	214497, 214668, 214792, 214535
	iv.	Secondary Damper	8625, 8612	8636, 8611
	v.	Lateral Damper	219493	219489
	vi.	Break cylinder & Caliper	7416-691, 7118-691, 7205-691, 7182-691	7407-691, 7245-691, 7406-691, 7242-691
	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		EMSON
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		SGA
	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

  

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

**LWCBAC - 9002**



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

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF  
LHB PANTRY CAR**

**TYPE OF COACH : LWCBAC**      **Shell No : 9002**      **COACH\_NO : 193777**

**RAILWAY : NR**      **COUPLING TYPE : CBC**      **DATE OF FITMENT: 23-MAY-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	KNORR	0118084697
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2508-C-18
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTRO WAVES ELECTRONICS PVT. LTD.	WEBCD-195395
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTRO WAVES ELECTRONICS PVT. LTD.	WEBCD-195350
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	L & T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	AE-SBH-13
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	3090312

**Group Name NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2496-C-18
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**Group Name PANTRY**

1	33635213-1, HOT CASE	EDTS118	SPECTRUM SCIENTIFIC LTD	SSLR-HB-010
2	33635213-2, DEEP FREEZER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSLR-HB-010
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSLR-HB-010
4	33635213-4, GEYSER	EDTS118	SPECTRUM SCIENTIFIC LTD	SSLR-HB-010
5	33635213-5, CHIMNEY	EDTS118	SPECTRUM SCIENTIFIC LTD	SSLR-HB-010
6	33635213-6, HEATER SET	EDTS118	SPECTRUM SCIENTIFIC LTD	SSLR-HB-010



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

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF LHB PANTRY CAR			
S.No	PL No & Item Description	Drawing No	Make Item Sr.No.(if any)
<b>Group Name PANTRY</b>			
7	33635213-7, OWEN TESTING GRILL	EDTS118	SPECTRUM SCIENTIFIC LTD SSLR-HB-010
8	33635213-8, WATER PURIFIER	EDTS118	SPECTRUM SCIENTIFIC LTD SSLR-HB-010
9	33635213-9, FLYING INSECT KILLERS	EDTS118	SPECTRUM SCIENTIFIC LTD SSLR-HB-010
<b>Group Name BOGIE PP SIDE</b>			
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	M/S CHANDA & CHANDA 196577
<b>Group Name BOGIE NPP SIDE</b>			
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	M/S CHANDA & CHANDA 196578
<b>Group Name UNDER FRAME</b>			
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. 09/2018
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD 291127/ 291128
2	33635080-2, PUMP CONTROLLER	EDTS186	KALSI METAL WORK PVT.LTD CPA-7222-06/2018
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMER CORPORATION VTC-3089-LHB-217/ 214
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS 2018/11/2258
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTEG ELECTRONICS 2018/08/2418
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	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	INTERNATIONAL SWITCHGEAR PVT LTD. CB-RCF-1811-208
<b>Group Name COMPARTMENT</b>			
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS NIL
<b>Group Name PP SIDE RIGHT HAND</b>			



RAIL COACH FACTORY, KAPURTHALA  
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
LHB PANTRY CAR				
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name PP SIDE RIGHT HAND				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1711273
Group Name UNDER FRAME PP SIDE				
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	LIGHT ENGG CORP.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	MAA LAXMI INDUSTRY	NIL
Group Name UNDER FRAME NPP SIDE				
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	9006	BOGIE NO	196392 / 196408	DISPATCH DATE	27-MAY-19
2.	RAILWAY	NR	TYPE OF COACH	LWCBAC	COACH NO	193778
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 <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 PAINT		NAROLACK	88 / 86
	8.2	Application of PCN-123	SATISFACTORY			
	8.3	Insulation	SATISFACTORY			
9.	Traceability of Furnishing Items:					
	1	EP BRAK / BRAKE EQUIPMENT	KBI			
	2	BIO-TOILET	RAIL FAB, JSL			
	3	FLOOR BOARD	TWPL			
	4	PVC	RESPONSIVE			
	5	UIC VESTIBULES	POLYMER			
	6	WATER TANKS	RAIL FAB, AMIT, MANOJ			
	7	BODY SIDE DOOR	JVR			
	8	VESTIBULE SLIDING DOOR	JBM			
	9	SEAT & BEARTH	AAR KAY FOAM			
	10	LAVATORY DOORS	SHATABDI			
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-SUPRESION - RESION SYSTEM SUPPLIED AND COMMISSIONED BY M/S INNOVATIVE RAIL MAINTENANCE PRIVATE LIMITED.				
	10.2	Deviations (If any): NIL				



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

**QMF 9829, VER:1.00**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9006	NR	LWCBAC	193778	27-MAY-19			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	196392				196408			
ii.	Frame No.	FIAT-CA-818				FIAT-CA-912			
iii.	Bolster No.	SF-CA-36				SF-CA-143			
iv.	Axle No.	J - 2258		J - 1827		J - 5241		J - 1673	
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.	916.61	916.61	916.50	916.50	916.00	916.00	916.60	916.60
vii.	Wheel Disc No.	21961-8PR4-TZ	43287-8PS0-TZ	25517-8MR1-TZ	21956-8PR2-TZ	44196-8RS8-TZ	20451-8MX5-TZ	43292-8RQ8-TZ	18328-70Q0-TZ
viii.	RB Nos.	26353	25768	27464	36453	29968	27013	28041	28038
ix.	RB Make	SKF		SKF		SKF		SKF	
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.	SI-18-9-2467	SI-18-9-2457	SI-18-9-2453	SI-18-9-2501

  

**Items traceability:**

<b>11.3</b>	<b>Sno.</b>	<b>Item</b>		<b>Make</b>	
	i.	Primary Outer Spring	RSK-18-08	RSK-18-08	RSK
	ii.	Primary inner Spring	RSK-16-03	RSK-16-03	RSK
	iii.	Primary Damper	10900, 11486, 10905, 10954	10722, 11004, 10981, 10860	GABRIEL
	iv.	Secondary Damper	000336, 000389	000361, 000370	GBEL
	v.	Lateral Damper	097	0184	GABRIEL
	vi.	Break cylinder & Caliper	A4969-691,A4578-691, A4990-691,A4538-691	A5023-691,A4363-691, A5027-691,A4055-691	KBI
	vii.	Break Disc			KBI
	viii.	Contral arm top			KUMAR
	ix.	Control arm bottom			KUMAR
	x.	Top rubber Pad			GMT
	xi.	Vertical Bump Stop			AVADH
	xii.	Ball Joint Control arm			MTC
	xiii.	Lateral Bump stop			GMT
	xiv.	Traction center make			RNG
	xv.	Traction lever make			JI
	xvi.	Ball joint traction lever			GMT
	xvii.	Traction center elastic			SGA
	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

  

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

**LWCBAC - 9006**



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

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF  
LHB PANTRY CAR**

**TYPE OF COACH : LWCBAC      Shell No : 9006      COACH\_NO : 193778**

**RAILWAY : NR      COUPLING TYPE : CBC      DATE OF FITMENT: 25-MAY-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	KNORR	0115401713
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2385-K-18
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTRO WAVES ELECTRONICS PVT. LTD.	WEBCD-195398
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTRO WAVES ELECTRONICS PVT. LTD.	WEBCD-195383
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	L & T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	AE-SBH-11/02/19
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	4215931

**Group Name      NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2387-K-18
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**Group Name      PANTRY**

1	33635213-1, HOT CASE	EDTS118	SPECTRUM SCIENTIFIC LTD	NIL
2	33635213-2, DEEP FREEZER	EDTS118	SPECTRUM SCIENTIFIC LTD	NIL
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	SPECTRUM SCIENTIFIC LTD	NIL
4	33635213-4, GEYSER	EDTS118	SPECTRUM SCIENTIFIC LTD	NIL
5	33635213-5, CHIMNEY	EDTS118	SPECTRUM SCIENTIFIC LTD	NIL
6	33635213-6, HEATER SET	EDTS118	SPECTRUM SCIENTIFIC LTD	NIL



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

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF LHB PANTRY CAR			
S.No	PL No & Item Description	Drawing No	Make Item Sr.No.(if any)
<b>Group Name PANTRY</b>			
7	33635213-7, OWEN TESTING GRILL	EDTS118	SPECTRUM SCIENTIFIC LTD NIL
8	33635213-8, WATER PURIFIER	EDTS118	SPECTRUM SCIENTIFIC LTD NIL
9	33635213-9, FLYING INSECT KILLERS	EDTS118	SPECTRUM SCIENTIFIC LTD NIL
<b>Group Name BOGIE PP SIDE</b>			
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	MAA LAXMI INDUSTRY 196392
<b>Group Name BOGIE NPP SIDE</b>			
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	MAA LAXMI INDUSTRY 196408
<b>Group Name UNDER FRAME</b>			
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. 09/2018
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD 291137/ 291138 - 05/2018
2	33635080-2, PUMP CONTROLLER	EDTS186	L E CORP. KAPSONS 018080811
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORMER CORPORATION VTC-3089-LHB-243/ 197
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS 2018/11/2248
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTEG ELECTRONICS 2018/08/2401
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	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	INTERNATIONAL SWITCHGEAR PVT LTD. CB-RCF-1811-0220
<b>Group Name COMPARTMENT</b>			
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS NIL
<b>Group Name PP SIDE RIGHT HAND</b>			
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS AE-1711302



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

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
LHB PANTRY CAR				
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
Group Name UNDER FRAME PP SIDE				
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	LIGHT ENGG CORP.	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	MAA LAXMI INDUSTRY	NIL
Group Name UNDER FRAME NPP SIDE				
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	SIDWAL REFRIGERATION INDUSTRIES PVT.LTD	NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNEX. A	MAA LAXMI INDUSTRY	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	9003	BOGIE NO	196111 / 196114	DISPATCH DATE	30-MAY-19	
2.	RAILWAY	NR	TYPE OF COACH	LWCBAC	COACH NO	193827	
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	1102	1104		
	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 <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 PAINT		NAROLACK	88 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT	FAVELLY				
	2	BIO-TOILET	CEMCON, JSL				
	3	FLOOR BOARD	TWPL				
	4	PVC	RESPONSIVE				
	5	UIC VESTIBULES	POLYMER				
	6	WATER TANKS	RAIL FAB, AMIT, RAIL FAB				
	7	BODY SIDE DOOR	JBM, JVR				
	8	VESTIBULE SLIDING DOOR	JBM				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	LAVATORY DOORS	SHATABDI				
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-SUPRESION - RESION SYSTEM SUPPLIED AND COMMISSIONED BY M/S INNOVATIVE RAIL MAINTENANCE PRIVATE LIMITED.					
	10.2	Deviations (If any): NIL					



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

**QMF 9829, VER:1.00**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9003	NR	LWCBAC	193827	30-MAY-19			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	196111				196114			
ii.	Frame No.	ECBT-151				ECBT-235			
iii.	Bolster No.	SF-CA-04				SF-CA-15			
iv.	Axle No.	H - 7211		J - 9198		K - 5723		J - 8021	
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	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	32947-7TG9-TZ	30415-7TG1-TZ	29966-8QL7-TZ	28860-8QM4-TZ	08569-7NP0-TZ	31204-8RG7-TZ	08568-7NP0-TZ	31203-8RG7-TZ
viii.	RB Nos.	09323	08700	07551	08292	08424	08337	08962	09537
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-18-8-948	TAYAL-18-8-884	TAYAL-18-8-968	TAYAL-18-8-932

  

**Items traceability:**

<b>11.3</b>	<b>Sno.</b>	<b>Item</b>	<b>Make</b>	
	i.	Primary Outer Spring	AFJ-18-06	AFJ-18-06
	ii.	Primary inner Spring	RSK-14-05	AFJ-18-01
	iii.	Primary Damper	18885, 19098, 18839, 18871	19058, 19060, 18981, 19052
	iv.	Secondary Damper	00041, 00043	00038, 00039
	v.	Lateral Damper	056	095
	vi.	Break cylinder & Caliper	M18308-600,M18287-600, M18386-600,M18233-600	G18283-600,G18114-600, G18474-600,G18276-600
	vii.	Break Disc		FTI
	viii.	Contral arm top		RV
	ix.	Control arm bottom		RV
	x.	Top rubber Pad		GMT
	xi.	Vertical Bump Stop		PRAG
	xii.	Ball Joint Control arm		ASHIKA
	xiii.	Lateral Bump stop		GMT
	xiv.	Traction center make		RNG
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		GMT
	xviii.	Secondary rubber pad		NIL
	xix.	Rubber spring		NIL
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		EMSON

  

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

**LWCBAC - 9003**



RAIL COACH FACTORY, KAPURTHALA  
ROLLING STOCK CERTIFICATE (LHB)

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF  
LHB PANTRY CAR**

TYPE OF COACH : LWCBAC      Shell No : 9003      COACH\_NO : 193827

RAILWAY : NR      COUPLING TYPE : CBC      DATE OF FITMENT: 29-MAY-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.	18/04/633
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2380-A-18
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	BHASIN PACKARD ELECTRONICS PVT. LTD.	04192554
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	ELECTRO WAVES ELECTRONICS PVT. LTD.	04192545
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	L & T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	AE-SBH-12
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	4548688

**Group Name NON-PP SIDE**

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	2372-A-18
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**Group Name PANTRY**

1	33635213-1, HOT CASE	EDTS118	S.D.ENGINEER S	SSLR-HB-012
2	33635213-2, DEEP FREEZER	EDTS118	S.D.ENGINEER S	SSLR-HB-012
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	S.D.ENGINEER S	SSLR-HB-012
4	33635213-4, GEYSER	EDTS118	S.D.ENGINEER S	SSLR-HB-012
5	33635213-5, CHIMNEY	EDTS118	S.D.ENGINEER S	SSLR-HB-012
6	33635213-6, HEATER SET	EDTS118	S.D.ENGINEER S	SSLR-HB-012
7	33635213-7, OWEN TESTING GRILL	EDTS118	S.D.ENGINEER S	SSLR-HB-012
8	33635213-8, WATER PURIFIER	EDTS118	S.D.ENGINEER S	SSLR-HB-012
9	33635213-9, FLYING INSECT KILLERS	EDTS118	S.D.ENGINEER S	SSLR-HB-012

**Group Name BOGIE PP SIDE**



RAIL COACH FACTORY, KAPURTHALA  
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF LHB PANTRY CAR				
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
<b>Group Name</b> BOGIE PP SIDE				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	S INTERNATION AL	196579
<b>Group Name</b> BOGIE NPP SIDE				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	S INTERNATION AL	196411
<b>Group Name</b> 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.	09/2018
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD	290600/ 290601
2	33635080-2, PUMP CONTROLLER	EDTS186	KALSI METAL WORK PVT.LTD	CPA-7221-06/18
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORME R CORPORATIO N	VTC-3089-LHB-229/ 221
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018/11/2270
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTEG ELECTRONICS	2018/08/2407
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	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	INTERNATION AL SWITCHGEAR PVT LTD.	CB-RCF-1811-0224
<b>Group Name</b> COMPARTMENT				
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL
<b>Group Name</b> PP SIDE RIGHT HAND				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	AMIT ENGINEERS	AE-1804633
<b>Group Name</b> UNDER FRAME PP SIDE				
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
<b>Group Name</b> UNDER FRAME NPP SIDE				



आर. कोच फैक्ट्री, कपूरथला  
RAIL COACH FACTORY, KAPURTHALA  
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF LHB PANTRY CAR			
S.No	PL No & Item Description	Drawing No	Item Sr.No.(if any)
<b>Group Name      UNDER FRAME NPP SIDE</b>			
0	33640580-0, FEEDER JUNCTION BOX	EDTS328	LIGHT ENGG CORP.      NIL
0	33641110-0, ZS COUPLING 500A,750V,3-PHASE 50HZ	EDTS105,,REV-E,AM1&2 WITH ANNX. A	PRIME ELECTRONICS      NIL
<b>SSE/EL/QC</b>		<b>AME/WM QC/DY CQM I</b>	



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

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	9005	BOGIE NO	196385 / 196386	DISPATCH DATE	31-MAY-19	
2.	RAILWAY	NR	TYPE OF COACH	LWCBAC	COACH NO	193828	
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	1104	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 <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 PAINT		GS	86 / 86	
	8.2	Application of PCN-123	SATISFACTORY				
	8.3	Insulation	SATISFACTORY				
9.	Traceability of Furnishing Items:						
	1	EP BRAK / BRAKE EQUIPMENT	KBI				
	2	BIO-TOILET	CEMCON, JSL				
	3	FLOOR BOARD	TWPL				
	4	PVC	PREMIER POLYFILM				
	5	UIC VESTIBULES	POLYMER				
	6	WATER TANKS	RAIL TECH, AMIT, RAIL FAB				
	7	BODY SIDE DOOR	JBM				
	8	VESTIBULE SLIDING DOOR	JBM				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	LAVATORY DOORS	CMT				
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-SUPRESION - RESION SYSTEM SUPPLIED AND COMMISSIONED BY M/S INNOVATIVE RAIL MAINTENANCE PRIVATE LIMITED. 3-VINYL WRAPPING SUPPLIED AND FITTED BY M/S TECHNO EXPERT, JALANDHAR ON SIDE WALL AREA.					
	10.2	Deviations (If any): NIL					



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

**QMF 9829, VER:1.00**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		9005	NR	LWCBAC	193828	31-MAY-19			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	196385				196386			
ii.	Frame No.	FIAT-CA-500				ECBT-282			
iii.	Bolster No.	P-CA-1326				SF-CA-151			
iv.	Axle No.	J-1132		J-8996		J-8044		J-1826	
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.	916.00	916.00	916.90	916.90	916.80	916.80	916.00	916.00
vii.	Wheel Disc No.	42387-8RL8-TZ	42385-8RL5-TZ	16701-7OQ2-TZ	16703-7OK0-TZ	22767-8PN8-TZ	44152-8RS7-TZ	44151-8RS7-TZ	20720-8QG4-TZ
viii.	RB Nos.	28262	27022	25162	37245	27560	24752	24456	27542
ix.	RB Make	SKF		SKF		SKF		SKF	
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.	SI-18-9-2492	SI-18-9-2454	SI-18-7-1898	SI-18-9-2475

  

**Items traceability:**

<b>11.3</b>	<b>Sno.</b>	<b>Item</b>	<b>Make</b>	
	i.	Primary Outer Spring	RSK-18-08	RSK-18-08
	ii.	Primary inner Spring	RSK-17-08	RSK-17-08
	iii.	Primary Damper	11270, 11313, 11264, 11132	11371, 11099, 11063, 10998
	iv.	Secondary Damper	00042, 000411	000388, 000403
	v.	Lateral Damper	219404	077
	vi.	Break cylinder & Caliper	A5081-691,A4753-691, A5061-691,A4735--691	A5214-691,A4622-691, A5228-691,A4619-691
	vii.	Break Disc		FTI
	viii.	Contral arm top		KUMAR
	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		RNG
	xv.	Traction lever make		JI
	xvi.	Ball joint traction lever		GMT
	xvii.	Traction center elastic		SB
	xviii.	Secondary rubber pad		NIL
	xix.	Rubber spring		NIL
	xx.	Anti roll bar make		SARITA
	xxi.	Ball joint roll link		SARITA
	xxii.	Fork make		SARITA

  

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

**LWCBAC - 9005**



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

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF  
LHB PANTRY CAR**

**TYPE OF COACH :** LWCBAC      **Shell No :** 9005      **COACH\_NO :** 193828

**RAILWAY :** NR      **COUPLING TYPE :** CBC      **DATE OF FITMENT:** 31-MAY-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	KNORR	0118094852
1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	17-K-1123
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	BHASIN PACKARD ELECTRONICS PVT. LTD.	04192552
0	33640361-0, EMERGENCY BATTERY CHARGER	M/s Pyramid model no.PYRA/BCUR/415/ 50 Fully Bridge Diode Based with	BHASIN PACKARD ELECTRONICS PVT. LTD.	04192563
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	L & T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH	EDTS-134 REV-A	AMIT ENGINEERS	AE-SBH-14/02/19
1	33641006-1, PUBLIC ADDRESSING SYSTEM	EDTS173,TYPE-I	AHUJA BY PUNJAB RADIOS	NIL

**Group Name**      NON-PP SIDE

1	33635237-1, RMPU	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATION INDUSTRIES PVT. LTD	17-K-1103
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**Group Name**      PANTRY

1	33635213-1, HOT CASE	EDTS118	S.D.ENGINEER S	SDLR-HB-001
2	33635213-2, DEEP FREEZER	EDTS118	S.D.ENGINEER S	SDLR-HB-001
3	33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118	S.D.ENGINEER S	SDLR-HB-001
4	33635213-4, GEYSER	EDTS118	S.D.ENGINEER S	SDLR-HB-001
5	33635213-5, CHIMNEY	EDTS118	S.D.ENGINEER S	SDLR-HB-001
6	33635213-6, HEATER SET	EDTS118	S.D.ENGINEER S	SDLR-HB-001
7	33635213-7, OWEN TESTING GRILL	EDTS118	S.D.ENGINEER S	SDLR-HB-001



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

FOR ELECTRICAL ITEMS				
ROLLING STOCK CERTIFICATE OF				
LHB PANTRY CAR				
S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
<b>Group Name PANTRY</b>				
8	33635213-8, WATER PURIFIER	EDTS118	S.D.ENGINEER S	SDLR-HB-001
9	33635213-9, FLYING INSECT KILLERS	EDTS118	S.D.ENGINEER S	SDLR-HB-001
<b>Group Name BOGIE PP SIDE</b>				
1	33635067-1, BOGIE 1	EDTS101 REV-"A"	MAA LAXMI INDUSTRY	196385
<b>Group Name BOGIE NPP SIDE</b>				
2	33635067-2, BOGIE 2	EDTS101 REV-"A"	MAA LAXMI INDUSTRY	196386
<b>Group Name UNDER FRAME</b>				
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.	09/2018
1	33635080-1, PUMP	EDTS186	KALSI METAL WORK PVT.LTD	291131/ 291132 - 05/2018
2	33635080-2, PUMP CONTROLLER	EDTS186	KALSI METAL WORK PVT.LTD	CPA-7193- 06/2018
0	33635183-0, 60 KVA TRANSFORMER	EDTS076	VIMAL TRANSFORME R CORPORATIO N	VTC-3089-LHB- 211/ 230
0	33640178-0, BATTERY FUSE BOX -VE	LW71002 ALT"a"	INTEG ELECTRONICS	2018/11/2254
0	33640786-0, BATTERY FUSE BOX +VE	LW71001 ALT"a"	INTEG ELECTRONICS	2018/08/2405
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	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130, TABLE-2	INTERNATION AL SWITCHGEAR PVT LTD.	CB-RCF-1811- 0200
<b>Group Name COMPARTMENT</b>				
2	33641006-2, SPEAKERS	EDTS173, TYPE-I	AHUJA BY PUNJAB RADIOS	NIL
<b>Group Name PP SIDE RIGHT HAND</b>				
2	33635237-2, MICRO PROCESSOR CONTROLLER	SPECIFICATION NO. EDTS075	SIDWAL REFRIGERATI ON INDUSTRIES PVT. LTD	18061640
<b>Group Name UNDER FRAME PP SIDE</b>				



RAIL COACH FACTORY, KAPURTHALA  
ROLLING STOCK CERTIFICATE (LHB)

FOR ELECTRICAL ITEMS			
ROLLING STOCK CERTIFICATE OF LHB PANTRY CAR			
S.No	PL No & Item Description	Drawing No	Item Sr.No.(if any)
<b>Group Name      UNDER FRAME PP SIDE</b>			
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 ANN. A	PRIME ELECTRONICS NIL
<b>Group Name      UNDER FRAME NPP SIDE</b>			
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 ANN. A	PRIME ELECTRONICS NIL
<b>SSE/EL/QC</b>		<b>AME/WM QC/DY CQM I</b>	