



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

(FORM NO. QMF 9454 VER:1.00)

1.	SHELL NO	0019	BOGIE NO	207300	/ 207301	DISPATCH DATE	02-SEP-20
2.	RAILWAY	NR	TYPE OF COACH	LCBACK		COACH NO	204547
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	1097	
	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 PAINT		GS	86 / 86	
	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	SHATABDI, EASTERN				
	8	LAVATORY DOORS	SHATABDI, EASTERN				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	MK, CEMCON				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	MK, CEMCON				
	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					



भारतीय रेलवे  
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			
		0019	NR	LCBACX	204547	02-SEP-20			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	207300				207301			
ii.	Frame No.	ECBT-1181				BEC-221			
iii.	Bolster No.	AMIT-CA-254				SHIVALIK-145			
iv.	Axle No.	RWF - Y6341		RWF - Y6002		RWF - V9806		RWF - Y6274	
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	917.00	917.00	917.10	917.10	917.00	917.00
vii.	Wheel Disc No.	10324- OPN9-TZ	40879- 00J9-TZ	40875- 00J9-TZ	10346- OPN9-TZ	03559- 00M9-TZ	04971- 00M7-TZ	05589- 00L6-TZ	05493- 00L4-TZ
viii.	RB Nos.	505300	410066	408354	409740	410606	409572	504748	411185
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-20-6-0894	TAYAL-20-6-0945	TAYAL-20-6-1009	TAYAL-20-6-0989

  

<b>Items traceability:</b>					
<b>11.3</b>	Sno.	Item	CMSTL-19-11	CMSTL-19-11	Make
	i.	Primary Outer Spring	CMSTL-19-11	CMSTL-19-11	CMSTL
	ii.	Primary inner Spring	RSK-16-03	RSK-16-03	RSK
	iii.	Primary Damper	9828, 9825, 0147, 0086	9940, 9687, 9772, 9921	ESCORTS
	iv.	Secondary Damper	17796, 17566	17990, 17442	KBI
	v.	Lateral Damper	313155	313109	IAI
	vi.	Brake cylinder & Caliper	A0658-213,A0496-213, A0656-213,A0495-213	A0112-213,A0071-213, A0118-213,A0068-213	KBI
	vii.	Brake Disc			KBI
	viii.	Contral arm top			KUMAR
	ix.	Control arm bottom			KUMAR
	x.	Top rubber Pad			GMT
	xi.	Vertical Bump Stop			ARYAN
	xii.	Ball Joint Control arm			ARYAN
	xiii.	Lateral Bump stop			ARYAN
	xiv.	Traction center make			RF
	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

  

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

LCBACX - 0019



**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 :** 0019      **COACH\_NO :** 204547

**RAILWAY :** NR      **COUPLING TYPE :** CBC      **DATE OF FITMENT:** 02-SEP-20

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
-------------------------------	------------	------	---------------------

Group Name	PP-SIDE
------------	---------

0	33504349-0, SUPPLY, INSTALLATION & COMMISSIONING OF AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NA	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	KNOOR-BREMSE INDIA PVT.LTD	0120033965
1	33635237-1, RMPU	RDSO/PE/SPEC/AC/0 061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0 139-2009(REV-1)COMPLETE WITH ACESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/ 0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FR S/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069 -2004,REV-2.	AMIT ENGINEERS	4752-B-20
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH as per Drg.No. EDTS134,REV-D,AM-5,COR-2.	EDTS134,REV-D,AM-5,COR-2 WITH RCF ANNEXURE-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	L&T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH as per Drg.No. EDTS134,REV-D,AM-5,COR-2.	EDTS134,REV-D,AM-5,COR-2 WITH RCF ANNEXURE-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	SBC-HB-20050077
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,REV-B,COR-1,TYPE-III	AHUJA BY PUNJAB RADIOS	4799015



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 PP-SIDE**

0 33641419-0, 4.5 KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES. as	RDSO/PE/SPEC/AC/0183-2018,REV-1.	HI-REL POWER ELECTRONICS PVT.LTD	HHPE-20063326
---	----------------------------------	----------------------------------	---------------

**Group Name NON-PP SIDE**

1 33635237-1, RMPU	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACCESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	AMIT ENGINEERS	4762-B-20
--------------------	---	----------------	-----------

**Group Name PANTRY**

1 33635213-1, HOT CASE	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
2 33635213-2, DEEP FREEZER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
3 33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
4 33635213-4, GEYSER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
5 33635213-5, CHIMNEY	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
6 33635213-6, HEATER SET	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
7 33635213-7, OWEN TESTING GRILL	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066



**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)
<b>Group Name PANTRY</b>				
8	33635213-8, WATER PURIFIER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
9	33635213-9, FLYING INSECT KILLERS	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SSGT-HB-066
<b>Group Name BOGIE PP SIDE</b>				
1	33635067-1, BOGIE 1	EDTS101 ,REV-C,AM-1,COR-6.	M/S CHANDA & CHANDA	207301
<b>Group Name BOGIE NPP SIDE</b>				
2	33635067-2, BOGIE 2	EDTS101 ,REV-C,AM-1,COR-6.	M/S CHANDA & CHANDA	207300
<b>Group Name UNDER FRAME</b>				
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS 6V EACH OR 2V,57 INDIVIDUAL CELLS IN MS MODUL	RDSO/PE/Spec./AC/009/2014(Rev.2)	AMARA RAJA BATTERIES LTD.	09/2020
1	33635080-1, PUMP	EDTS186 REV-A,AM-2,COR-1& 2.	L E CORP. KAPSONS	1119-R-1135
2	33635080-2, PUMP CONTROLLER	EDTS186 REV-A,AM-2,COR-1& 2.	KAPSON IND. (KIND)	19080053
0	33635183-0, 60KVA TRANSFORMER 750V/415V 3 PHASE 4 WIRE, VECTOR CONFIRGURATION-STAR/STAR	RDSO/PE/SPEC/AC/0080-2007,(REV-1)WITH RDSO LETTER NO EL/7/1/108/TRANSFORMER DATED 31/03/15,RCF ANNEX1.	VIMAL TRANSFORMERS	VTC-3217/ 3192
0	33640178-0, BATTERY FUSE BOX -VE as per Drg.No. LW71002 ALT-I.	LW71002,ALT-I.	LIGHT ENGINEERING CORPORATION	202002157
0	33640786-0, BATTERY FUSE BOX +VE as per Drg.No. LW71001,ALT"-H"	LW71001,ALT"-H"	LIGHT ENGINEERING CORPORATION	202002213
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 ENGINEERING WORKS	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130,REV-1,COR-3 ,TYPE-II	NEC SWITCHGEARS & CONTROLS	2020-01-3388
<b>Group Name COMPARTMENT</b>				
2	33640993-2, SPEAKERS	EDTS173,REV-B,COR-1,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL



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)
<b>Group Name      COMPARTMENT</b>				
0	33642321-0, LED LIGHT FITTING(DOORWAY/GANGWAY AREA) FOR LHB EOG TYPE COACHES as per Drg.No. RDSO/PE/SPEC/TL/0091	RDSO/PE/SPEC/TL/0091-2016,REV-1,AS PER DRG LW76099, TYPE-N (9 WATT), RCF, ANNEX-1	ELECTRO WAVES ELECTRONICS PVT LTD	NIL
0	33642448-0, LED LIGHT FITTING WITH NIGHT LIGHT (CORRIDOR AREA) FOR LHB AC COACHES as per Drg.No. RDSO/PE/SPEC/TL	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG LW76091, TYPE-"M" (9 WATT+1 WATT), RCF, ANNEX-1	D.R AUTO INDUSTRIES	NIL
0	33642450-0, LED LIGHT FITTING FOR PASSANGER AREA (CABIN) FOR LHB AC TYPE COACHES as per Drg.No. RDSO/PE/SPEC/TL	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG LW76090, TYPE-"L" (18 WATT), RCF, ANNEX-1	R T VISION TECHNOLOGIE PVT LTD.	NIL
<b>Group Name      PP SIDE RIGHT HAND</b>				
2	33635237-2, MICRO PROCESSOR CONTROLLER	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	AMIT ENGINEERS	AE-2002358
<b>Group Name      UNDER FRAME PP SIDE</b>				
1	33640154-1, UNDERFRAME PP SIDE	RDSO/PE/SPEC/AC/0177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	PRIME ELECTRONICS	NIL
1	33640580-1, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-4,TYPE-2,COR-2.	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
<b>Group Name      UNDER FRAME NPP SIDE</b>				



राईल कोच फैक्टरी  
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 NPP SIDE				
2	33640154-2, UNDERFRAME NPP SIDE	RDSO/PE/SPEC/AC/0177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	PRIME ELECTRONICS	NIL
2	33640580-2, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-4,TYPE-2,COR-2.	LAMBA ENTERPRISES	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	0011	BOGIE NO	207306	/ 207307	DISPATCH DATE	17-SEP-20
2.	RAILWAY	NR	TYPE OF COACH	LCBACK		COACH NO	204548
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, LWCBC, 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/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/min		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 PAINT		GS	89 / 89	
	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	KUTEER, AMIT, AMIT				
	7	COMPOSITE MODULAR TOILET	HINDUSTAN				
	8	LAVATORY DOORS	HINDUSTAN				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	JSL				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	JSL, JSL				
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**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		0011	NR	LCBACX	204548	17-SEP-20			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	207306				207307			
ii.	Frame No.	BEC-214				BEC-180			
iii.	Bolster No.	SHIVALIK-146				AMIT-260			
iv.	Axle No.	RWF - W0035		RWF - V9717		RWF - V1617		RWF - S4825	
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	915.00	915.00	917.15	917.15
vii.	Wheel Disc No.	05825-00K9-TZ	05645-00L6-TZ	01330-00L0-TZ	05828-00K9-TZ	77664-9WG9-TZ	77666-9WG9-TZ	05800-00K8-TZ	05583-00L6-TZ
viii.	RB Nos.	409763	408411	504615	505340	503560	408108	407072	409920
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-20-5-4593	AVADH-20-5-4591	AVADH-20-5-4570	AVADH-20-5-4595

  

<b>Items traceability:</b>				
<b>11.3</b>	<b>Sno.</b>	<b>Item</b>	<b>Make</b>	
	i.	Primary Outer Spring	CMSTL-19-11	CMSTL-19-11
	ii.	Primary inner Spring	RSK-16-03	RSK-16-03
	iii.	Primary Damper	9936, 9868, 9821, 9794	9731, 9928, 0440, 0493
	iv.	Secondary Damper	17938, 17838	17501, 17551
	v.	Lateral Damper	313018	313271
	vi.	Brake cylinder & Caliper	A0110-213,A0089-213, A0109-213,A0099-213	A0594-213,A0494-213, A0600-213,A0473-213
	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		AVADH
	xiv.	Traction center make		RF
	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

  

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

**LCBACX - 0011**



**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 :** 0011      **COACH\_NO :** 204548

**RAILWAY :** NR      **COUPLING TYPE :** CBC      **DATE OF FITMENT:** 17-SEP-20

S.No	PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
------	--------------------------	------------	------	---------------------

Group Name	PP-SIDE			
------------	---------	--	--	--

0	33504349-0, SUPPLY, INSTALLATION & COMMISSIONING OF AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NA	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	KNOOR-BREMSE INDIA PVT.LTD	0120134868
1	33635237-1, RMPU	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACCESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	DAULAL RAM ENGG. SERVICES PVT. LTD.	20-B-05/481
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH as per Drg.No. EDTS134,REV-D,AM-5,COR-2.	EDTS134,REV-D,AM-5,COR-2 WITH RCF ANNEXURE-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	L&T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH as per Drg.No. EDTS134,REV-D,AM-5,COR-2.	EDTS134,REV-D,AM-5,COR-2 WITH RCF ANNEXURE-A	INTERNATIONAL SWITCHGEARS PVT. LTD.	SBC-HB-20050079
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,REV-B,COR-1,TYPE-III	AHUJA BY PUNJAB RADIOS	4798997



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 PP-SIDE**

<b>0</b> 33641419-0, 4.5 KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES. as	RDSO/PE/SPEC/AC/0183-2018,REV-1.	ELECTRONICS EQUIPMENT CO. PVT. LTD.	07200028
--	----------------------------------	-------------------------------------	----------

**Group Name NON-PP SIDE**

<b>1</b> 33635237-1, RMPU	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACCESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	DAULAL RAM ENGG. SERVICES PVT. LTD.	20-B-05/477
---------------------------	---	-------------------------------------	-------------

**Group Name PANTRY**

<b>1</b> 33635213-1, HOT CASE	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>2</b> 33635213-2, DEEP FREEZER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>3</b> 33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>4</b> 33635213-4, GEYSER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>5</b> 33635213-5, CHIMNEY	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>6</b> 33635213-6, HEATER SET	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>7</b> 33635213-7, OWEN TESTING GRILL	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029



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)
<b>Group Name PANTRY</b>				
8	33635213-8, WATER PURIFIER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
9	33635213-9, FLYING INSECT KILLERS	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	SPECTRUM SCIENTIFIC LTD	SDHT-HB-029
<b>Group Name BOGIE PP SIDE</b>				
1	33635067-1, BOGIE 1	EDTS101 ,REV-C,AM-1,COR-6.	M/S CHANDA & CHANDA	207306
<b>Group Name BOGIE NPP SIDE</b>				
2	33635067-2, BOGIE 2	EDTS101 ,REV-C,AM-1,COR-6.	M/S CHANDA & CHANDA	207307
<b>Group Name UNDER FRAME</b>				
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS 6V EACH OR 2V,57 INDIVIDUAL CELLS IN MS MODUL	RDSO/PE/Spec./AC/009/2014(Rev.2)	AMARA RAJA BATTERIES LTD.	07/2020
1	33635080-1, PUMP	EDTS186 REV-A,AM-2,COR-1& 2.	L E CORP. KAPSONS	199-R-1186
2	33635080-2, PUMP CONTROLLER	EDTS186 REV-A,AM-2,COR-1& 2.	L E CORP. KAPSONS	1971074
0	33635183-0, 60KVA TRANSFORMER 750V/415V 3 PHASE 4 WIRE, VECTOR CONFIRGURATION-STAR/STAR	RDSO/PE/SPEC/AC/0080-2007,(REV-1)WITH RDSO LETTER NO EL/7/1/108/TRANSFORMER DATED 31/03/15,RCF ANNEX1.	VIMAL TRANSFORMERS	VTC-3910/ 3916
0	33640178-0, BATTERY FUSE BOX -VE as per Drg.No. LW71002 ALT-I.	LW71002,ALT-I.	LIGHT ENGINEERING CORPORATION	202005325
0	33640786-0, BATTERY FUSE BOX +VE as per Drg.No. LW71001,ALT"-H"	LW71001,ALT"-H"	LIGHT ENGINEERING CORPORATION	202005334
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 ENGINEERING WORKS	NIL
1	35982925-1, CAPACITOR BANK FOR LHB EOG TYPE COACHES	EDML130,TYPE-1,REV-1,COR-3.	NEC SWITCHGEARS & CONTROLS	2020-03-5071
<b>Group Name COMPARTMENT</b>				
2	33640993-2, SPEAKERS	EDTS173,REV-B,COR-1,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL



**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	COMPARTMENT
------------	-------------

0 33642321-0, LED LIGHT FITTING(DOORWAY/GANGWAY AREA) FOR LHB EOG TYPE COACHES as per Drg.No. RDSO/PE/SPEC/TL/0091	RDSO/PE/SPEC/TL/0091-2016,REV-1,AS PER DRG LW76099, TYPE-N (9 WATT), RCF, ANNEX-1	ELECTRO WAVES ELECTRONICS PVT LTD	NIL
0 33642448-0, LED LIGHT FITTING WITH NIGHT LIGHT (CORRIDOR AREA) FOR LHB AC COACHES as per Drg.No. RDSO/PE/SPEC/TL	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG LW76091, TYPE-"M" (9 WATT+1 WATT), RCF, ANNEX-1	FIEM INDUSTRIES LTD	NIL
0 33642450-0, LED LIGHT FITTING FOR PASSANGER AREA (CABIN) FOR LHB AC TYPE COACHES as per Drg.No. RDSO/PE/SPEC/TL	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG LW76090, TYPE-"L" (18 WATT), RCF, ANNEX-1	R T VISION TECHNOLOGIE PVT LTD.	NIL

Group Name	PP SIDE RIGHT HAND
------------	--------------------

2 33635237-2, MICRO PROCESSOR CONTROLLER	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	DAULAL RAM ENGG. SERVICES PVT. LTD.	SA-2001890
--	--	-------------------------------------	------------

Group Name	UNDER FRAME PP SIDE
------------	---------------------

1 33640154-1, UNDERFRAME PP SIDE	RDSO/PE/SPEC/AC/0177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	MAA LAXMI INDUSTRY	NIL
1 33640580-1, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-4,TYPE-2,COR-2.	M.V.ELECTRO SYSTEM PVT.LTD.	NIL

Group Name	UNDER FRAME NPP SIDE
------------	----------------------



राईल कोच फैक्टरी, कपूरथला  
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 NPP SIDE				
2	33640154-2, UNDERFRAME NPP SIDE	RDSO/PE/SPEC/AC/0177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	MAA LAXMI INDUSTRY	NIL
2	33640580-2, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-4,TYPE-2,COR-2.	M.V.ELECTRO SYSTEM PVT.LTD.	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	0015	BOGIE NO	207318	/ 207319	DISPATCH DATE	24-SEP-20
2.	RAILWAY	NR	TYPE OF COACH	LCBACK		COACH NO	204549
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, LWCBC, 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		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	KUTEER, AMIT, AMIT				
	7	COMPOSITE MODULAR TOILET	SHATABDI, HIND				
	8	LAVATORY DOORS	SHATABDI, HIND				
	9	SEAT & BEARTH	AAR KAY FOAM				
	10	BIO-TOILET	PD STEEL, PD STEEL				
	11	EP BRAK / BRAKE EQUIPMENT	KBI				
	12	BIO DIGESTER/VACUUM EVACUATION SYSTEM	PD STEEL, PD STEEL				
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**

<b>11.</b>	<b>Bogie Details:</b>	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		0015	NR	LCBACX	204549	24-SEP-20			

  

<b>11.1 Wheel &amp; Axle Details:</b>									
i.	Bogie No.	207318				207319			
ii.	Frame No.	ECBT-1171				ECBT-1170			
iii.	Bolster No.	AMIT-255				AMIT-257			
iv.	Axle No.	RWF - Y6012		RWF - Y1805		RWF - Y3955		RWF - Y6390	
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.	05420- 00L4-TZ	05421- 00L4-TZ	05680- 00K8-TZ	03561- 00M9-TZ	05656- 00L6-TZ	05563- 00L6-TZ	10309- 0PR3-TZ	05806- 00K8-TZ
viii.	RB Nos.	408031	504976	300285	409461	411115	409243	504967	300296
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-20-05-0899	TAYAL-20-06-1031	TAYAL-20-06-0948	TAYAL-20-06-0947

  

<b>Items traceability:</b>						
<b>11.3</b>	<b>Sno.</b>	<b>Item</b>			<b>Make</b>	
	i.	Primary Outer Spring	CMSTL-19-11	CMSTL-19-11	CMSTL	
	ii.	Primary inner Spring	RSK-16-03	RSK-16-03	RSK	
	iii.	Primary Damper	9937, 9960, 9984, 0124	0253, 0388, 0120, 9974	ESCORTS	
	iv.	Secondary Damper	19159, 17816	17531, 18150	KBI	
	v.	Lateral Damper	313018	313243	IAI	
	vi.	Brake cylinder & Caliper	A0141-213,A0103-213, A0145-213,A0110-213	A0144-213,A0098-213, A0147-213,A0116-213	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			ARYAN	
	xiii.	Lateral Bump stop			ARYAN	GMT
	xiv.	Traction center make			RNG	
	xv.	Traction lever make			JI	
	xvi.	Ball joint traction lever			ARYAN	
	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			RNG	

  

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

**LCBACX - 0015**



**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 :** 0015      **COACH\_NO :** 204549

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

S.No PL No & Item Description	Drawing No	Make	Item Sr.No.(if any)
-------------------------------	------------	------	---------------------

Group Name	PP-SIDE
------------	---------

0	33504349-0, SUPPLY, INSTALLATION & COMMISSIONING OF AXLE MOUNTED DISC BRAKE SYSTEM FOR ALSTOM-LHB DESIGN-AC & NA	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	KNOOR-BREMSE INDIA PVT.LTD	0120134863
1	33635237-1, RMPU	RDSO/PE/SPEC/AC/0 061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0 139-2009(REV-1)COMPLETE WITH ACESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/ 0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FR S/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069 -2004,REV-2.	AMIT ENGINEERS	4846-B-20
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH as per Drg.No. EDTS134,REV-D,AM-5,COR-2.	EDTS134,REV-D,AM-5,COR-2 WITH RCF ANNEXURE-A	ESS ESS KAY ENGG. CO.	L&T
0	33640695-0, SWITCH BOARD CABINET FOR HOT BUFFET COACH as per Drg.No. EDTS134,REV-D,AM-5,COR-2.	EDTS134,REV-D,AM-5,COR-2 WITH RCF ANNEXURE-A	ESS ESS KAY ENGG. CO.	202005051
1	33640993-1, PA SYSTEM WITH VOLUME CONTROLLER	EDTS173,REV-B,COR-1,TYPE-III	AHUJA BY PUNJAB RADIOS	4798998



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** PP-SIDE

0 33641419-0, 4.5 KW UNDER SLUNG TYPE CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES. as	RDSO/PE/SPEC/AC/0183-2018,REV-1.	HI-REL POWER ELECTRONICS PVT.LTD	HHPE-07203606
---	----------------------------------	----------------------------------	---------------

**Group Name** NON-PP SIDE

1 33635237-1, RMPU	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACCESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	AMIT ENGINEERS	4840-B-20
--------------------	---	----------------	-----------

**Group Name** PANTRY

1 33635213-1, HOT CASE	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
2 33635213-2, DEEP FREEZER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
3 33635213-3, REFRIGERATOR 300 LTRS CAPACITY	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
4 33635213-4, GEYSER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
5 33635213-5, CHIMNEY	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
6 33635213-6, HEATER SET	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
7 33635213-7, OWEN TESTING GRILL	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031



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)
<b>Group Name PANTRY</b>				
8	33635213-8, WATER PURIFIER	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
9	33635213-9, FLYING INSECT KILLERS	EDTS118,REV-E,AM-2,COR-2,WITHOUT ANNEX.1.	S.D ENGINEERS	SDHT-HB-031
<b>Group Name BOGIE PP SIDE</b>				
1	33635067-1, BOGIE 1	EDTS101 ,REV-C,AM-1,COR-6.	DARSHAN ENTERPRISES	207318
<b>Group Name BOGIE NPP SIDE</b>				
2	33635067-2, BOGIE 2	EDTS101 ,REV-C,AM-1,COR-6.	DARSHAN ENTERPRISES	207317
<b>Group Name UNDER FRAME</b>				
0	33614477-0, 110V, 120AH, VRLA, SMF BATTERY SET WITH 19 MONO BLOCKS 6V EACH OR 2V,57 INDIVIDUAL CELLS IN MS MODUL	RDSO/PE/Spec./AC/009/2014(Rev.2)	AMARA RAJA BATTERIES LTD.	07/2020
1	33635080-1, PUMP	EDTS186 REV-A,AM-2,COR-1& 2.	KAPSON INDUSTRIES (KIND)	19080179/ 19080180
2	33635080-2, PUMP CONTROLLER	EDTS186 REV-A,AM-2,COR-1& 2.	L E CORP. KAPSONS	1119-R-1212
0	33635183-0, 60KVA TRANSFORMER 750V/415V 3 PHASE 4 WIRE, VECTOR CONFIRGURATION-STAR/STAR	RDSO/PE/SPEC/AC/0080-2007,(REV-1)WITH RDSO LETTER NO EL/7/1/108/TRANSFORMER DATED 31/03/15,RCF ANNEX1.	VIMAL TRANSFORMERS	VTC-3914/ 3899
0	33640178-0, BATTERY FUSE BOX -VE as per Drg.No. LW71002 ALT-I.	LW71002,ALT-I.	LIGHT ENGINEERING CORPORATION	202005346
0	33640786-0, BATTERY FUSE BOX +VE as per Drg.No. LW71001,ALT"-H"	LW71001,ALT"-H"	LIGHT ENGINEERING CORPORATION	202005337
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 ENGINEERING WORKS	NIL
1	35982913-1, CAPACITOR BANK FOR LHB EOG POWER CAR COACHES	EDML130,REV-1,COR-3 ,TYPE-II	NEC SWITCHGEARS & CONTROLS	..
<b>Group Name COMPARTMENT</b>				
2	33640993-2, SPEAKERS	EDTS173,REV-B,COR-1,TYPE-III	AHUJA BY PUNJAB RADIOS	NIL



**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	COMPARTMENT
------------	-------------

0 33642321-0, LED LIGHT FITTING(DOORWAY/GANGWAY AREA) FOR LHB EOG TYPE COACHES as per Drg.No. RDSO/PE/SPEC/TL/0091	RDSO/PE/SPEC/TL/0091-2016,REV-1,AS PER DRG LW76099, TYPE-N (9 WATT), RCF, ANNEX-1	ELECTRO WAVES ELECTRONICS PVT LTD	NIL
0 33642448-0, LED LIGHT FITTING WITH NIGHT LIGHT (CORRIDOR AREA) FOR LHB AC COACHES as per Drg.No. RDSO/PE/SPEC/TL	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG LW76091, TYPE-"M" (9 WATT+1 WATT), RCF, ANNEX-1	FIEM INDUSTRIES LTD	NIL
0 33642450-0, LED LIGHT FITTING FOR PASSANGER AREA (CABIN) FOR LHB AC TYPE COACHES as per Drg.No. RDSO/PE/SPEC/TL	RDSO/PE/SPEC/TL/0091-2016,REV-1 AS PER DRG LW76090, TYPE-"L" (18 WATT), RCF, ANNEX-1	R T VISION TECHNOLOGIE PVT LTD.	NIL

Group Name	PP SIDE RIGHT HAND
------------	--------------------

2 33635237-2, MICRO PROCESSOR CONTROLLER	RDSO/PE/SPEC/AC/0061-2005(REV-1)Type1 & MICROPROCESSOR TO RDSO/PE/SPEC/AC/0139-2009(REV-1)COMPLETE WITH ACESS. AS PER SCOPE OF SUPPLY AS IN THE RDSO SPEC. ALONG WITH MODI. SHEET NO.RDSO/PE/MS/AC/0077-2018,REV0 AND BELLOW DUCT TO RDSO/2018/PE/AC/FRS/0028,REV-0, WITH DRG RDSO/PE/SK/AC/0069-2004,REV-2.	AMIT ENGINEERS	AE-2005536
--	--	----------------	------------

Group Name	UNDER FRAME PP SIDE
------------	---------------------

1 33640154-1, UNDERFRAME PP SIDE	RDSO/PE/SPEC/AC/0177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	MAA LAXMI INDUSTRY	NIL
1 33640580-1, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-4,TYPE-2,COR-2.	NEC SWITCHGEAR AND CONTROL	NIL

Group Name	UNDER FRAME NPP SIDE
------------	----------------------



राईल कोच फैक्टरी, कपूरथला  
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 NPP SIDE				
2	33640154-2, UNDERFRAME NPP SIDE	RDSO/PE/SPEC/AC/0177-2013,REV-'0',COR-1 WITH RCF ANNEXURE-A,	MAA LAXMI INDUSTRY	NIL
2	33640580-2, FEEDR JUNCTION BOX	EDTS328.Rev-C,AM-4,TYPE-2,COR-2.	M.V.ELECTRO SYSTEM PVT.LTD.	NIL
SSE/EL/QC		AME/WM QC/DY CQM I		