	Modern Coach Factory Raebareli	DOC NO.: MCF/RBL/QMF 8002
	आधुनिक रेल डिब्बा कारख़ाना, रायबरेली	REV NO: 00 DATE: 11-06-2020

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/255

RLY	CR	COACH NO	204343/C			DATE OF DISPATCH	03-08-2020
Type	LFCWAC	Shell No.	91054	DISPATCH TO	SSE/STOCK/CR/BB	FUR.NO.	FCWAC-21

1. Railway Board's Order No. : 2020/M(C)/142/2,DATED-24.06.2020
2. Tare Weight of Coach : 42.5 Tonnes
3. Carrying Capacity : FAC-Sleeping-10 AC2T-Sleeping-28

4. Special feature:

A	Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiv.)letter no. MC/LHB/Brake, DT. 27.09.18

5. SHELL LEADING DIMENSIONS:

S NO	DESCRIPTION	DIMENSION (MM)	
1	Maximum length over body	23700	
2	Maximum width over body	3240	
3	Maximum height from Rail Level	4039	
4	CBC height/Buffer height from Rail level 1105 +0/-10	NPP/PP	1096/1100

6. TRACEABILITY OF SHELL ITEMS:

S NO		ITEM		MAKE/SUPPLIER	SERIAL NO			
1	Under	Front	PP END	M/S-KANSAL ENGG	03			
		Part	NPP END	M/S-KANSAL ENGG	03			
		Complete		M/S-KANSAL ENGG	03			
2	Lav. side wall			M/S-KANSAL MOHALI	LAV.1		LAV.2	
				M/S-KANSAL MOHALI	LAV.3		LAV.4	
3	Side wall	LH SIDE		M/S-KANSAL MOHALI	03			
		RH SIDE		M/S-KANSAL MOHALI	03			
4	End wall	PP END		M/S-KANSAL MOHALI				
		NPP END		M/S-KANSAL MOHALI				
5	Roof			M/S-KANSAL	19			
6	Centre Buffer Coupler			M/S-FRONTIER LTD	PP END	196-P1	NPP END	65-P1

7. PAINTING DETAILS:

S NO	DESCRIPTIO	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR	AVERAGE GLOSS VALUE	DATE OF COMPLETION
1	Paint	P.U	G.S. INDUS	M/S-G.S. INDUSTRIES	78/97	31-07-2020
2	Insulation	Satisfactory				

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MCF/ RBL

MCF/RBL

MODERN COACH FACTORY, RAEBARELI आधुनिक रेल डिब्बा कारखाना, रायबरेली	DOC NO.: MCF/RBL/QMF 8002 REV NO.: 01 DATE: 16.05.2016

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/255

RLY	CR	-	Coach No.	20434 3 / C	-	DATE OF DISPATCH	03082020

DISPATCH	SSE/STOCK/CR/BB	Type	LFC WAC	Shell No.	91054	-	FUR .NO	FCWAC-21

9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	193400				193399			
Bogie Type	FIAT				FIAT			
Frame no.	VS-131				VS-123			
Bolster no.	MCF/RBL/LS5 -969				MCF/RBL/LS5 -549			
Axle No	20 t - 8595 RWF		20 T-9983 RWF		20 t - 8626 RWF		20 T- 6644 RWF	
Wheel Dia	916.504	915.587	917.503	917.572	916.396	915.57	917.525	917.581
Wheel Disc No	DP17-345 32382	DP17-345 32304	DP17-345 32379	DP17-345 32376	DP17-345 32372	DP17-345 32400	DP17-345 32329	DP17-345 32249
R.B. Nos.	11-19 33982	11-19 43636	11-19 34706	11-19 35173	11-19 42359	11-19 32400	11-19 33365	11-19 43801
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
	Secondary 1	Secondary 2	Secondary 1	Secondary 2
Make & Nos.	AVADH RAIL SR.NO.05-19 1732	AVADH RAIL SR.NO.05-19 1746	AVADH RAIL SR.NO.12-19 3340	AVADH RAIL SR.NO.05-19 1723

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	293686,291777	293536,293557
2.	Primary outer Spring	CMAFJ	05-19 7411-(611,261,121,257)	05-19 7411-(251,268,275,75)
3.	Primary Inner Spring	CMSTL	01-19-02A (8075,7927,8057,8068)	01-19-02A (8089,6578,7964,5563)
4.	Primary Damper	IAI	08-19 (267189,267306,267376,267395)	08-19 (267358,267316,267242,267392)
5.	Secondary Damper	IAI	08-19 (268362,268323)	08-19 (268369,268357)
6.	Lateral Damper	IAI/KONI	08-19 (268538)	05-19 02355
7.	Brake Cylinder	KBI	C(2182,0990,0972,0872)-K-29	C(1978,0[illegible]5835,0986)-K-29
8.	Brake Caliper	KBI	C(8745,8888,8711,8608)-29	C(8607,87[illegible]4,7752,7684)-29
9.	Brake Disc	FAV	01-20(1039,1041,1042,1040)D133561-300	01-20(1055,1056,295,297)D133561-300
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA		
13.	Traction lever make	JI		
14.	Ball joint traction lever	ARYAN		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	ESCORT	1912-,1912-	1912-,1912-
17.	Check Valve	ESCORT	1912	1912
18.	Anti roll bar Make	RK/SARITA		
19.	Roll Link make	EMSON/GMT SARITA /GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	SG/IRPL	1906X83,1908G78,1926I26,1913G52	1928I85,1808G25,1913G62,1901I62
22.	Control Arm Lower	SG/IRPL	1909L06,1912L16,1911I24,19014G58	1913I17,1918G71,1918G70,1913I18
23.	Phonic Wheel	KBI	K 08-19	K 08-19

Signature of SSE/Bogie/QC

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ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/255

RLY	CR	COACH NO	204343/C			DATE OF DISPATCH	03-08-2020
Type	LFCWAC	Shell No.	91054	DISPATCH TO	SSE/STOCK/CR/BB	FUR.NO.	FCWAC-21

11. TRACEABILITY OF FIRMS -

S.NO	ACTIVITIES	FIRM	TURNKEY/WORK CONTRACT/SUPPLY AND APPLY
1	COACH FUR.	M/s-H.F.G.W VADODARA	TURNKEY
2	Air Brake	M/S-FLUID CONTROL	TURNKEY
3	Bio TOILET & FLUSHING	M/s-H.F.G.W VADODARA	TURNKEY
4	FIRE Detection	M/S-SANROK ENT	SUPPLY AND APPLY

12. TRACEABILITY OF FURNISHING ITEMS:

S.NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	5592-23/20
2	Distribution valve	M/S-KBI	2020E11329
3	FIBA	M/S-KBI	9620/29,9647/29
4	Floor board	M/S-TWPL MUMBAI	
5	UIC Vestibule (PPE/NPP)	M/s-SUNCREAST KOLKATA	
6	Gangway bridge mounting (PPE/NPP)	M/s-MAHAVEER METAL WORKS KXH	
7	Body Side Window	M/s-H.F.G.W VADODARA	
8	Emergency Window	M/s-H.F.G.W VADODARA	
9	Lavatory/hopper Window	M/s-H.F.G.W VADODARA	
10	Roof Ceiling	M/s-H.F.G.W VADODARA	
11	Door way /gang way ceiling	M/s-H.F.G.W VADODARA	
12	Partition panel (HONEYCOMB)	M/s-H.F.G.W VADODARA	
13	Side Wall panel	M/s-H.F.G.W VADODARA	
14	AC Trough	M/s-H.F.G.W VADODARA	
15	Body Side Doors	M/s-JBM INDS FARIDABAD	
16	Compartment Door (PPE/NPP)	M/s-H.F.G.W VADODARA	
17	Compartment Door (MIDDLE)	M/s-H.F.G.W VADODARA	
18	Vestibule Door(PPE/NPP)	M/s-H.F.G.W VADODARA	
19	Bio Tank	M/s-RAIL FAB KAPURTHALA	
20	Pressurized flushing with ele pneu.syste	M/S-IMI	
21	Auxiliary Water Tank	M/S-OASIS	
22	Under Slung Water Tank (2X685L)	M/S-SHIVALIK FAST MOHALI	
23	Under Slung Water Tank (1x450 L)	M/S-AMIT ENGG BADDI	
24	Health Faucet	M/s-H.F.G.W VADODARA	
25	Lotah Filler Tap	M/s-H.F.G.W VADODARA	
26	Bib cock	M/s-JAQUAR PVT.LTD ALWAR	
27	Lavatory Modules	M/s-H.F.G.W VADODARA	
28	Lavatory Doors	M/s-H.F.G.W VADODARA	
29	Fire Extinguisher	M/s-H.F.G.W VADODARA	
30	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENT	
31	Auto janitor	M/s-H.F.G.W VADODARA	
32	Odour control system	M/s-H.F.G.W VADODARA	
33	Seat & Berth	M/s-H.F.G.W VADODARA	
34	Light Luggage Rack	M/s-H.F.G.W VADODARA	
35	Snack Table	M/s-H.F.G.W VADODARA	
36	RFID	NA	

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	Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारख़ाना, रायबरेली	DOC NO.: MCF/RBL/QMF 8002 REV NO: 00 DATE: 11-06-2020

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/255

RLY	CR	COACH NO	204343/C			DATE OF DISPATCH	03-08-2020
Type	LFCWAC	Shell No.	91054	DISPATCH TO	SSE/STOCK/CR/BB	FUR.NO.	FCWAC-21

13. MODIFICATION (IF ANY) : NIL

14. DEVIATION (IF ANY) : NIL

15. ITEM FITTED ON THE COACH ON TRIAL : NIL

S NO	ITEM PARTICULARS	PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL

16. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain clutch wire etc. (items which a consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months from the date of dispatch of coach OR 30months from the date of supply of material whichever is earlier.

NOTE:

1. This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
2. This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
3. This doesn't cover any consequential liabilities or damages/loss incurred by anybody; furthermore, it shall in no caseextend to repayment, return of the coach or replacement of complete coach.
4. Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
5. For any complain/ suggestion please Mail at qualityrcfrbl@gmail.com
6. Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from Application for any manufacturing /Application as per clause -4,para- V of RDSO specification no .M&C/PCN/100/2013-Given below

S.No	Time period	Gloss Retention (initial gloss >85 unit at 60º)	Colour Retention rating on 0-10 scale (initial rating of painted panels/coach or ISC/RAL shade card shall be taken as 10)	Adherence of paints (with each other and with substrate) Cross-cut tape adhesion test as per ASTM D:3359/97(or latest)
1	After 1 year	80% of initial gloss	7	5B
2	After 2 year	70% of initial gloss	6	5B
3	After 3 year	60% of initial gloss	5	4B

If any imperfection is noticed or any defect arises during the warranty –period due to improper material used or due to bad workmanship, the contractor shall be bounded to set right the defect/ imperfection on free of cost basis at the base depot of the coach.

SSE/QC/MCF/RBL	SME/AME/QC/MCF/RBL	Dy.CQM/MCF/RBL

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Assistant Mechanical Engineer / Quality-I
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

MCF/RBL

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

TYPE COACH	**LWFCWAC**		**SHELL/COACH NO**	**204343/C**	
RAILWAY	**CR**	**ELECT.FIT DATE**	**03-08-2020**	**MCF FUR NO.**	**FCWAC-21**

Sr. no.	Description of tests		Remarks
1.0	REFERENCE SPECIFICATION : L 446		
1.1	AIR CONDITIONING TEST : ELPS/TP/AC 01.		
2.0	INSULATION RESISTANCE : Setting of insulation monitoring relay at 30K ohms as per TD 111 of M/s LHB.		
	Observed status : HEALTHY		
3.0	AIR DELIVERY MEASUREMENT	OBSERVED VALUE	OK
3.1	Fresh Air	**29.56** Cub mtr/min	OK
3.2	Return Air	**75.98** Cub mtr/min	OK
3.3	Exhaust Air	**6.38** Cub mtr/min	OK
3.4	Conditioned Air	**168.99** Cub mtr/min	OK
4.0	**PRE COOLING TEST: Max 01 hr.** Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition PP Side :**20.8 °C** NPP Side :**21.4°C**		OK
5.0	**PULL DOWN TEST: Max 02 hrs.** Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition. **NOT DONE.**		----

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB FIRST COMPOSITE (FIRST AC CUM SECOND AC) COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB FIRST COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description of test	Remarks
6.0	HUMIDITY CONTROL	OK
7.0	PUMP EQUIPMENTS	OK
8.0	WORKING OF EXHAUST FANS OVER LAVATORIES	OK
9.0	WORKING OF BERTH READING LIGHTS	OK
10.0	WORKING OF COMPARTMENT LIGHT	OK
11.0	WORKING OF BRACKET FAN	OK
12.0	WORKING OF PUBLIC ADDRESSING SYSTEM (**PAS**)	OK
13.0	WORKING OF ANNUNCIATOR SYSTEM	OK
14.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM (**WSP**)	OK
15.0	WORKING OF 60KVA TRANSFORMER	OK
16.0	WORKING OF 5 KVA TRANSFORMER	OK
17.0	WORKING OF REGULATED BATTERY CHARGER	OK
18.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
19.0	SAFETY :	--
19.1	OHP :	OK
19.1	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
19.2	LP/HP GAUGE	OK
19.3	HYGROSTAT	OK
19.4	CONTROL CIRCUIT	OK
19.5	POWER CIRCUIT	OK
20.0	REFRIGERANT USED **R 407C**	OK

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ROLLING STOCK CERTIFICATE OF LHB FIRST COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make : **AMIT ENGG.** Sr no of RMPU 1 (NPP side) : **4895 B** Sr no of RMPU 2(PP side): **4142 J** Sr no of Microprocessor. : **AE 19.08.778-AMIT**	As per RDSO/PE/SPES/AC/0061/REV-1/2005	**01 Set**
02.	Switch board cabinet Make : **NEC** Sr no : **20200034928**	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0)	**01 no.**
03.	Pump equipment with PLC controller & pump box Make: **KIND** PA Sr.no: **0091** Sr no.1: **20050251** Sr no.2 : **20050252** Sr.no.CPA: **20050002-KIND**	As per spec EDTS 186,Rev-a, Am- 2. As per Spec. EDTS186, & drg no. CC71328 & LW70020 for P/CNTR.	**01 Set**
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cu.mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : **EYYANI**	EDTS331, TYPE-1 CORR.-1&2	**02 no.**
05.	Provision of Passenger area LED Light(Cabin) Make: **DR AUTO/RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	**08 no.**
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	**OK**
07.	Provision of Cabin/Corridor Light with Night light. Make: **DR AUTO**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	**12no.**
08.	Mounting of Cabin/Corridor Light with Night light	As per drg no. LW 76091.	**OK**
09.	Provision & mounting of Doorway/ Gangway light. Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099 -	**06 no.**
10.	Provision & Mounting of PACIL Assly. Make: **KAVERI**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	**02 no.**
11.	Provision & Mounting of WC light. Make: **DHINGRA**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097. -	**02 no.**
12.	Provision & Mounting of Lavatory Light. Make: **K.LITE**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092. -	**04 no.**

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ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
13.	Provision of Emergency Lighting system Make: **DR AUTO**	As per RDSO/PE/Spec/AC/0180-2016(Rev-0),Type-2 or Latest.	**04 no.**
14.	PA system for LHB coaches Make: **AHUJA**	EDTS 173,Rev- a Am-1,2&3	**01 Set**
15.	Provision of terminal strip complete	As per EDML-033 Rev – C,Drg no. LW76054	**01 Set**
16.	Diffuser complete w/o item 1& 2.	LW 76012,Alt-a	**OK**
17.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 2 no. ON_ OFF switches. Make : **SSK**	As per spec EDML-064,REV-B,Am-1 Item 1 .Drg. no. LW74202 alt'c'	**02 no.**
18.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass fuse. Make : **SKS**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item 16,Drg. No. LW74202	**23 no.**
19.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. push bell switch & 2 no. ON_ OFF switches and 1 no. 5-pin socket 6A, 250V AC with 1.0 Amp glass fuse. Make : **SSK**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-9,Drg. No. LW74202	**02 no.**
20.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate & 2 no. ON_ OFF switches 6A,250 V AC and 1 no. 5-pin socket 6A,250V AC with 1.0 Amp glass fuse. Make : **SKS**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	**05 no.**
21.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 3 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass. Make : **SKS**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-5, Drg. No. LW74202	**08 no.**
22.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. push bell switch and 4 no. ON-OFF switches and 1 no. 5-pin socket 6A, 250 V AC 1 no. 1.0 Amp glass . Make : **SSK**	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-11, Drg. No. LW74202	**01 no.**

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ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
23.	Bracket Fan 225 MM Sweep wall bracket type,110 V AC and crash worthy features as per RCF AM-1(Type-IV) Make: **PARAS**	IS:6680-92 with RDSO Annexure-H(Dec-2005) or latest	**01 no.**
24.	Provision & Mounting of reading light for upper berth Make : **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	**19 no.**
25.	Provision & Mounting of reading light for transverse berth (RHS) Make: **RT VISION**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095 v	**08 no.**
26.	Provision & Mounting of reading light for berth transverse (LHS) Make: **DR AUTO**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096 -	**07 no.**
27.	Provision & Mounting of reading light for berth Longitudinal. Make: **ENSAVE**	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76096 -	**04 no.**
28.	Provision of Cable Jacket ,Size 06Nominal width 25mm ,Length -1000mm	As per spec no. EDTS 0138, Item 09	OK
29.	Annunciator System complete Make: **V.S INSTRUMENTS**	As per EDTS 117,Rev-A	**01 set**
30.	Provision of High Capacity Inter –Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make:- 1.(NPP): **S.INTERNATIONALS** 2.(PP): **S.INTERNATIONALS**	As per Spec. no. RDSO/PE/SPEC/AC/0177(Rev.-0)-2013 with annexure-A, B. -	**01 set**
31.	70AH/110V, 54 Cells, 02V each, maintenance free pure lead acid tin monoblock, battery set with 09 modules 12V each. , factory pre charged. Make : **AMARA RAJA** Lug date : **03/18**	EDTS 129,Rev nil	**01 set**
32.	Battery box for LHB coaches. Make: **HITECH**	As per drgno 1 10113 0 76 700 005,Alt C	**01 no.**
33.	Battery fuse box +ve Make : **RICHMOND**	LW 71001,Alt-F	**01 no.**
34.	Battery fuse box –ve Make : **RICHMOND**	LW 71002,Alt-F	**01 no.**

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ROLLING STOCK CERTIFICATE OF LHB COMPOSITE (FIRST AC CUM SECOND AC) COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
35.	4.5 Kw Under slung type Constant Voltage Regulated Battery charger cum Emergency battery charger Make: **WAVES** Sr. no.: **W4K5H 19556**	As per spec no. RDSO/PE/SPEC/AC/0183-2015(REV.-1)	**01 no.**
36.	Provision of 5 KVA TFR Make: **WAVES** SL.no.: **WLDT5L 19643**	As Per EDTS-366,REV-NIL & CC-71510	**01 no.**
37.	Provision of capacitor Bank Make: **RICHMOND** SL.no.: **341741**	As per EDML-130 Rev-1,Corr-1	**01 no.**
38.	60KVA transformer Make : **VIMAL** Sr no : **VTC-R-3089-LHB-3873**	As per spec no.RDSO/PE/SPEC/AC/0080-2007 (REV-1)	**01 no.**
39.	Feeder junction boxes. Make : **MV ELECTRO SYSTEMS**	EDTS-328 REV-C	**01 set**
40.	Wheel set earthling equipment. Make : **NANDRATAN**	EDTS101,REV-C,AM-1	**01 set**
41.	Wheel Slide Protection System (WSP) Make : **KNORR** Sr. no : **0120074184**	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" M/s : **KNORR**	**01 set**
42.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: **MV**	Cat no. 1948036/UIV4125-6 with RCF annexure-A - 02 nos	**02**

SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आ०रे०डि०का० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	**AWM(ELECT.)/MCF/RBL** **SEE(P)/MCF/RBL** स० कार्य प्रबन्धक / विद्युत आ०रे०डि०का० / रायबरेली A.W.M./Electrical/MCF/RBL