



Modern Coach Factory Raebareilly

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF

8002/FAC

REV NO:00

DATE: 28.09.19

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/19-20/1057

RLY	C	R	-	Coach No.	1	9	7	2	5	0	/	C	DATE OF DISPATCH	1	4	-	1	1	-	1	9
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DISPATCH TO	SSE/STOCK/CR/BB	Type	L	W	F	A	C	-	Shell No.	9	1	0	0	4	FUR.NO.	FAC-04
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1. Railway Board's Order No. :2019M(C)/142/2, DATE : 03-06-2019

2. Tare Weight of Coach : Tonnes

3. Carrying Capacity : (a) Seating: 24 (b) Sleeping: 24 (c) Luggage: NIL

4. **Special feature:** - A-Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiveley) letter no. MC/LHB/Brake, Dated 27.09.2018

B- RFID (Radio frequency identification) fitted for traceability of coach

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	1) 1100 (NPPE) 2) 1100 (PPE)

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Under frame	Front Part	PP END M/s-ROURKELA
		Complete	NPP END M/s-EC
			MCF/RBL
2.	Lav. side wall	M/S -RAIL FAB KAPURTHALA	LAV.1
		M/S -RAIL FAB KAPURTHALA	LAV.2
			LAV.3
3.	Side wall	LH SIDE	MCF/RBL
		RH SIDE	MCF/RBL
4.	End wall	PP END	M/s-SIS
		NPP END	M/s-SIS
5.	Roof	MCF/CONT.	04
6.	Centre Buffer Coupler	M/s-ESCORT	PP END 9510 NPP END 9498

7. AIRBRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm ² . ➤ Max. pressure in BC ➤ All Brake are applied	6 - 10 sec. 3.0 ±0.15 kg/cm ² . OK	07 sec. 3.0 kg/cm ² OK
2.	Insensitivity	➤ Exhaust BP @ 0.3 kg/cm ² /min.	No brake application	OK
3.	Sensitivity	➤ Exhaust BP @ 0.1 kg/cm ² /Sec, after 06 Sec.	Brake must apply	OK

8. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY)	AVERAGE GLOSS VALUE	DATE OF COMPLETION
1.	Paint	P.U	M/S- EMPRISE	(SUPPLY & APPLY)	95/94	07.06.19
2.	Insulation			Satisfactory		

Signature
SSE/QC/MCF/RBL

मुणयत्ता विभाग
रेडिओका, रायबरेली (लासगंज)



MODERN COACH FACTORY, RAE BAREILY

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/2019-20/1057

RLY	C	R	-	Coach No.	1	9	7	2	5	0	/	C	-	DATE OF DISPATCH	1	4	1	1	2	0	1	9
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DISPATCH	SSE/STOCK/CR/BB	Type	L	W	F	A	C	-	Shell No.	9	1	0	0	4	FUR.NO	FAC-04
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	191600				191599			
Bogie Type	FIAT				FIAT			
Frame no.	WIL-517				WIL-470			
Bolster no.	SCI-302				SCI-311			
Axle No	19 S-1870 RWF		19 S-4282 RWF		19 S-1610 RWF		19 S-2768 RWF	
Wheel Dia	917.448	917.526	917.546	917.584	917.522	917.563	917.423	917.515
Wheel Disc No	TZ 04-19 40187-9OH8	TZ 06-19 53879-9OH8	TZ 07-19 63893-9RR8	TZ 07-19 68963-9RM5	TZ 06-19 54423-9PD8	TZ 04-19 36848-9OJ0	TZ 06-19 54055-9PJ4	TZ 06-19 53878-9QJ8
R.B. Nos.	08-19-24434	08-19-27018	08-19-24711	08-19-24727	08-19-24857	08-19-23223	08-19-25775	08-19-24643
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.	Make & Nos.	Make & Nos.	Make & Nos.
	AVADH RAIL Sr.NO.09-18 490	AVADH RAIL Sr.NO.09-18 588	TAYAL&CO. Sr.NO.18-11 1257	TAYAL&CO. Sr.NO.18 1404

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	18553,17913	17907,17539
2.	Primary outer Spring	CMAFJ	04-19 7411-545 (94,162,134,115)	04-19 7411-545 (335,159,302,300)
3.	Primary Inner Spring	CMSTL	02-18 02A (7060,8017,8019,8055)	02-18 02A (7867,8053,7548,7916)
4.	Primary Damper	KONI	07-19 (01608,00863,00832,01128)	07-19 (01608,00863,00832,01128)
5.	Secondary Damper	KNORR	07-19(19516,19362)	07-19 (19359,19347)
6.	Lateral Damper	KONI	04-19 01845	04-19 01468
7.	Brake Cylinder	KBI	B(6886,5902,5893,6880)K-29	B(6887,5887,5875,6881)K-29
8.	Brake Caliper	KBI	B(4059,4122,4115,4057)K-29	B(4060,4120,4121,4058)K-29
9.	Brake Disc	KBI	24201093 0005-39/19,24200056 0008-39/19 24198276 0045-34/19,24198276 0047-37/19	24198278 0006-35/19,24198277 0079-35/19 24201092 0015-39/19,24201092 0014-39/19
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	(SF) SARITA		
13.	Traction lever make	(SF) SARITA		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	KNORR	19 B-4026,19 B 4131	19 A-10552,19 A-10624
17.	Check Valve	KNORR	16388	16679
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	(SF) SARITA		
20.	Fork make	(SF) SARITA/EMSON		
21.	Control Arm Upper	RVE	260719-2,260719-1,290719-2,270719-1	270719-1,270719-1,300719-1,300719-1
22.	Control Arm Lower	RVE	030819-3,030719-1,030819-1,RVE	240719-1,270719-1,300719-1,300719-1
23.	Phonic Wheel	KBI	K-08-19	K-08-19

Signature of SSE/Bogie/QC





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DISPATCH TO	SSE/STOCK/CR/BB	Type	L	W	F	A	C	-	Shell No.	9	1	0	0	4	FUR.NO	FAC-04
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12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S- KBI, FARIDABAD	3674 36/19
2.	Distribution valve	M/S- KBI, FARIDABAD	2019 H 8824
3.	Pull box	M/S- KBI, FARIDABAD	
4.	FIBA	M/S- KBI, FARIDABAD	PP-10493/29 NPP-10421/29
5.	Foot Step	M/S- SHATABDHI SAFETY GLASS, VADODARA	
6.	Decoupling arrangement	M/S- KOHINOOR KR, MUMBAI	
7.	Floor board	M/s- T.W.P.L INDUS. MUMBAI	
8.	PVC	M/S- SHATABDHI SAFETY GLASS, VADODARA	
9.	UIC Vestibule (PPE)	M/S-SUNCREST IND.KOLKATA	
10.	UIC Vestibule (NPPE)	M/S-SUNCREST IND.KOLKATA	
11.	Gangway bridge mounting (PPE)	M/s- MAHAVEER METAL WORKS, KXH	
12.	Gangway bridge mounting (NPPE)	M/s- MAHAVEER METAL WORKS, KXH	
13.	Body Side Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
14.	Emergency Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
15.	Lavatory/hopper Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
16.	Roof Ceiling	M/S- SHATABDHI SAFETY GLASS, VADODARA	
17.	Door way /gang way ceiling	M/S- SHATABDHI SAFETY GLASS, VADODARA	
18.	Supply Air Duct	M/S- SHATABDHI SAFETY GLASS, VADODARA	
19.	Automatic fire & smoke detection system	M/s-SANROK ENTERPRISES	
20.	Odour control system	M/S- SHATABDHI SAFETY GLASS, VADODARA	
21.	Partition panel	M/S- SHATABDHI SAFETY GLASS, VADODARA	
22.	Partition pillar	M/S- SHATABDHI SAFETY GLASS, VADODARA	
23.	Side Wall panel	M/S- SHATABDHI SAFETY GLASS, VADODARA	
24.	AC Trough	M/S- SHATABDHI SAFETY GLASS, VADODARA	
25.	Body Side Doors	M/S- JBM INDUSTRIES, FARIDABAD	
26.	RMPU	M/S -AMIT ENG. BADDI	
27.	Compartment Door (PPE)	M/S- SHATABDHI SAFETY GLASS, VADODARA	
28.	Compartment Door (NPPE)	M/S- SHATABDHI SAFETY GLASS, VADODARA	
29.	Vestibule Door(PPE)	M/S -KALSI AUTOMATIC DOOR SYSTEM LTD.LDH	
30.	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
31.	Bio Tank	M/S - FLASH FORGE (P) LTD VIZAG	
32.	Auxiliary Water Tank	M/s-AMIT ENG. MOHALI	
33.	Under Slung Water Tank (2X685L)	M/S -SHIVALIK FAST, MOHALI	
34.	Health Faucet	M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA	
35.	Lotah Filler Tap	M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA	
36.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
37.	Lavatory Modules	M/S- SHATABDHI SAFETY GLASS, VADODARA	
38.	Shower room (lav-1)	M/S- SHATABDHI SAFETY GLASS, VADODARA	
39.	Lavatory Doors	M/S- SHATABDHI SAFETY GLASS, VADODARA	
40.	Auto janitor	M/S- SHATABDHI SAFETY GLASS, VADODARA	
41.	Fire Extinguisher	M/S-DEVIKA FIRE SAFETY NDLS	PPE- 972,NPPE-1351
42.	Seat & Berth	M/S- SHATABDHI SAFETY GLASS, VADODARA	
43.	Light Luggage Rack	M/S- SHATABDHI SAFETY GLASS, VADODARA	
44.	Snack table	M/S- SHATABDHI SAFETY GLASS, VADODARA	
45.	RFID	M/s-TECH SOLUTION GURGAON	Sr.103696,103697

वरिष्ठ अभियंता
गुणवत्ता विभाग
रेलवे कारखाना, रायबरेली (लाहौर)



Modern Coach Factory Raebareli

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DISPATCH TO		SSE/STOCK/CR/BB				Type		L	W	F	A	C	-	Shell No.		9	1	0	0	4	FUR.NO.		FAC-04	
13. MODIFICATION (IF ANY)										: NIL														

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 are consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months from the date of dispatch of coach OR 30 months from the date of supply of material whichever is earlier.

NOTE:

- This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
- This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
- This doesn't cover any consequential liabilities or damages/loss incurred by anybody; furthermore, it shall in no case extend to repayment, return of the coach or replacement of complete coach.
- Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
- For any complain/ suggestion please Mail at qualityrcfbl@gmail.com
- Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from date of 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 60°)	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/OC/MCF/RBL वरिष्ठ अभियंता गुणवत्ता विभाग रेडिओ, रायबरेली (लाबगंज)	SME/AME/QC/MCF/RBL वरिष्ठ यांत्रिक अभियंता/गुणवत्ता आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory Raebareli	Dy.CQM/MCF/RBL उप-प्रमुख/मुख्य Dy. Chief Quality Manager/Shell आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना,
रायबरेली

FAC-04
DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

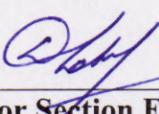
DATE: 28.08.2019

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

ELECTRICAL TEST CERTIFICATE FOR LHB FIRST AC COACH			
TYPE COACH	LWZFAC	SHELL/COACH NO	197250/C
RAILWAY	CR	DATE OF DESPATCH	
Sr no	Description of tests		Remarks
1.0	AIR DELIVERY MEASUREMENT	OBSERVED VALUE	OK
1.1	Fresh Air	19.48 Cub mtr/min	OK
1.2	Return Air	48.75 Cub mtr/min	OK
1.3	Exhaust Air	6.05 Cub mtr/min	OK
1.4	Conditioned Air	140.07 Cub mtr/min	OK
2.0	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 : 22.5 °C NPP Side : 21.3 °C		OK
3.0	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.		----


Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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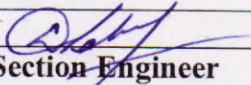
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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

ELECTRICAL TEST CERTIFICATE FOR LHB FIRST AC COACH

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


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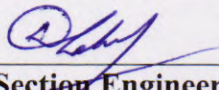
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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

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) : 3631 H Sr no of RMPU 2(PP side): 3838 H Sr no of Microprocessor. : AE 19.05.465	As per rdso/pe/spes/ac/0061/rev-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-19-09-0002	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0)	01 no.
03.	Pump equipment with PLC controller & pump box Make: DR AUTO PA Sr.no: 2019/10/00011 Sr no.1: 6183 Sr no.2 : 6175 Sr.no.CPA: 2019/10/046-DR AUTO	As per spec EDTS 186,Rev-a, Am- 2	01 Set
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cummtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : ECOFIT	EDTS331, TYPE-1 CORR.-1&2	02 no.
05.	Provision of Passenger area Light(Cabin/Corridor) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	12 no.
06.	Mounting of Passenger area light(Cabin/corridor)	As per drg no. LW 76090.	--
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.	--
09.	Provision & mounting of Doorway/Gangway light. Make: RT VISION/DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	08 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.


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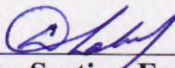
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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

Sr no	Description	Drg/Spec no.	Quantity per Coach
11.	Provision & Mounting of WC light. Make: DR AUTO	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: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092. -	04 no.
13.	Provision of Emergency Lighting system Make: VGS	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 Make: NIL	As per EDML-033 Rev – C,Drg no. LW76054	01 Set
16.	Diffuser complete w/o item 1 & 2.	LW 76012,Alt-a	--
17.	Plug & socket distribution board 20A,240 V AC Make: SSK	As per Drg. No. LA 72200,Alt-A or Latest.	01 no.
18.	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 11.Drg. no. LW74202 alt 'c'	04 no.
19.	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: SSK	As per spec EDML-064,REV-B,Am-1 alt 'c' Item 16,Drg. No. LW74202	12 no.
20.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plate with 1 no. push bell & 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	04 no.


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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

Sr no	Description	Drg/Spec no.	Quantity per Coach
21.	Provision of switch plate assembly complete with polycarbonate cover frame and powder coated steel plat & 2 no. ON_ OFF switches 6A,250 V AC at corridor area. Make:SSK	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-1,Drg. No. LW74202	04 no.
22.	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 fuse at cabin/Attendant area. Make: SSK	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-5,Drg. No. LW74202	05 no.
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-F1 & Drg no LW 76094 -	12 no.
25.	Provision & Mounting of reading light for transverse berth (RHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no LW 76095 -	05 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 of Cable Jacket ,Size 06Nominal width 25mm ,Length -1000mm	As per spec no. EDTS 0138, Item 09	---
28.	Annunciator System complete Make: V.S.INSTRUMENT	As per EDTS 117,Rev-A	01 set
29.	Provision of Inter Vehicle coupler Make: PRIME ELECT.	As per RDSO PE SPEC-0177-2013 REV-0	01 set
30.	70AH/110V,54 Cells,02V each ,maintenance free pure lead acid tin monoblock ,battery set with 09 modules 12V each. , factory pre charged. Make : HBL Lug date : 6/19	EDTS 129,Rev nil	01 set

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ROLLING STOCK CERTIFICATE OF LHB FIRST AC COACH

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Sr no	Description	Drg/Spec no.	Quantity per Coach
31.	Battery box for LHB coaches. Make: HITECH	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
32.	Battery fuse box +ve Make : INDORAIL	LW 71001,Alt-F	01 no.
33.	Battery fuse box -ve Make : RADIANT	LW 71002,Alt-F	01 no.
34.	Regulated battery charger Make : PI ENGG.WORKS Sr no : PI/19100142	RDSO/PE/SPEC/AC/018 3 (REV -0)	01 no.
35.	Emergency battery charger Make : NIL Sr no: NIL	EDTS 163,Rev 'c' corg.- 2&3	01 no.
36.	Provision of 5 KVA TFR Make: BHASIN SL.no. 09189979	As Per EDTS-366,REV- NIL & CC-71510	01 no.
37.	Provision of capacitor Bank Make: RICHMOND ENTERPRISES SL.no. 341770	As per EDML-130 Rev- 1,Corr-1	01 no.
38.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-2093	As per rdso/pe/spec/ac/0080/rev -0 (2007)/Am-1&2/Corr. 1,2&3	01 no.
39.	Feeder junction boxes. Make : SYSTEMS	EDTS-328 REV-C	01 set
40.	Wheel set earthing equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	01 set
41.	Wheel Slide Protection System (WSP) Make: KNORR Sr no : 0118390318	M/s : KNORR	01 set
42.	PANTRY EQUIPMENTS : Hot Case, Bottle cooler cum deep freezer Make : N/F	As per spec no EDTS 139, Rev- E ,Sec II.	01 set

SSE/EL/QC	AWM(ELECT.)/MCF/RBL
वरिष्ठ अनुभाग अभियन्ता	for SEE(P)/MCF/RBL
गुणवत्ता नियंत्रण	आर०रे०डि०का०/रायबरेली
आर०रे०डि०का०/लालगंज/रायबरेली	A.W.M./Electrical/MCF/RBL
S.S.E./Elect-QC/M.C.F./LLJ/RBL	