



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/704

RLY	--	C	R	Coach No.	1	9	6	2	7	9	/	C	DATE OF DISPATCH	1	0	-	0	9	-	1	9
-----	----	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	1	2	3	FUR.NO.	L3T-1264
-------------	----------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	----------

1. Railway Board's Order No. : 2019/M(C)/142/2, dated -03 -06-2019
2. Tare Weight of Coach : 45.6 Tonnes
3. Carrying Capacity : (a) Seating: 72 (b) Sleeping: 72 (c) Luggage: NIL

4. **Special feature:** 1- 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

2- 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	4250
4.	CBC height/Buffer height from Rail level 1105 +0/-10	1) 1100 (NPPE) 2) 1099 (PPE)

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Under frame	PP END M/s-NE	--
		NPP END M/s-NE	--
	Complete	MCF/RBL(CONTRACTOR V4U)	93123
2.	Lav. side wall	M/s-RAIL TECH KXH	LAV.1 --- LAV.2 ---
		M/s-RAIL TECH KXH	LAV.3 --- LAV.4 ---
3.	Side wall	M/S-E.C.BLADES & TOOL PVT. LTD CHANDIGARH	37/ECBT
		M/S-E.C.BLADES & TOOL PVT. LTD CHANDIGARH	37/ECBT
4.	End wall	PP END M/s-RAIL TECH KXH	---
		NPP END M/s-RAIL TECH KXH	---
5.	Roof	M/s-PIL	163
6.	Centre Buffer Coupler	M/s-SANROK	PP END 13389 NPP END 13450

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	06 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-BERGER	SUPPLY & APPLY	90/88	19.08.19
2.	Insulation	Satisfactory				

86
SSE/QC/MCF/RBL
गुणवत्ता विभाग
#0डि०का०, रायबरेली (मालगंज)



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/2019-20/704

RLY	C	R	Coach No.	1	9	6	2	7	9	/	C	-	DATE OF DISPATCH	1	0	0	9	2	0	1	9
-----	---	---	-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	SSE/STOCK/CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	1	2	3	FUR .NO	L3T-1264
----------	----------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	----------

9. DETAIL OF BOGIES:

ITEMS	PP Side				NPP Side			
Bogie No	196058				196057			
Bogie Type	FIAT				FIAT			
Frame no.	Vs-1613				Vs-1254			
Bolster no.	Vs-513				Vs-519			
Axle No	19 L - 6012 RWF		19 L - 5771 RWF		19 L - 5159 RWF		19 L - 6009 RWF	
Wheel Dia	917.707	917.794	917.732	917.827	917.662	917.771	917.659	917.746
Wheel Disc No	DP 06-17 32191-17-344	DP 06-17 32214-17-344	DP 06-17 32165-17-344	DP 06-17 32202-17-344	DP 06-17 32197-17-344	DP 06-19 32271-17-344	DP 06-17 32189-17-344	DP 06-17 32198-17-344
R.B. Nos.	05-18 11629	05-18 39965	03-18 11646	05-18 39982	03-18 11633	05-18 29879	05-18 39964	05-18 39972
CT R B Make	SKF		SKF		SKF		SKF	

10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side				Bogie PP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & Nos.	CMFSK12-18- 8836-485-91	CMFSK05-19- 953-007-45	CMFSK12-18- 8836-485-91	CMFSK05-19- 9513-007-66	CMFSK12-18- 8836-485-104	CMFSK05-19-9513- 007-69	CMFSK12-18- 8836-485-97	CMFSK05-19-9513- 007-269
Compressed Ht. at Tested Load	515	467	515	465	511	468	512	466
Alignment deviation (mm)	12	8	11	7	12	13	11	13

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	14646,14653	14645,14651
2.	Primary outer Spring	CMFSK	03-19 7411-545(1250,1329,1528,1249)	03-19 7411-545(1554,1754,1428,1570)
3.	Primary Inner Spring	CMFSK	05-19 7143-559(153, 265, 260,42)	05-19 7143-559(430,866,292,122)
4.	Primary Damper	KONI	03-19 (00712,04136,01000,02446)	03-19 (00917,866,292,122)
5.	Secondary Damper	IAI	01-19 (238025,238008)	01-19 (237925,237974)
6.	Lateral Damper	IAI	02-19 241421	11-18 241904
7.	Brake Cylinder	KBI	B(5932,5083,5087,5941)K29	B(5911,5086,5073,5910)K29
8.	Brake Caliper	KBI	B(3366,3441,3478,3363)-29	B(3364,3439,3440,3365)-29
9.	Brake Disc	FAV	02-19(1833,1834,2014,2013)D133561-300	03-19(1835,1838,2016,2015)D133561-300
10.	Ball Joint Control Arm	BASANT/AR		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	SARITA		
13.	Traction lever make	SARITA/TAJ		
14.	Ball joint traction lever	BASANT/AR		
15.	Ball joint traction centre	AR/GMT		
16.	SEC. Rubber pad	PPI		
17.	Rubber spring Make	PPI		
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	SF	52,154,389,235	840,802,SF,191
22.	Control Arm Lower	SF	96,48,89,68	107,190,SF,19
23.	Phonic Wheel	KNORR	K-06-19	K-06-19

Signature of SSE/Bogie/QC



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/704

RLY	--	C	R	Coach No.	1	9	6	2	7	9	/	C	DATE OF DISPATCH	1	0	-	0	9	-	1	9
-----	----	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	1	2	3	FUR.NO.	L3T-1264
-------------	----------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	----------

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S- KBI, FARIDABAD	3211 29/19
2.	Distribution valve	M/S- KBI, FARIDABAD	2019 G 8242
3.	Pull box	M/S- KBI, FARIDABAD	
4.	Foot Step	M/s-HITECH INERAVANTURE PVT LTD RBL	
5.	Decoupling arrangement	M/S- KOHINOOR KR, MUMBAI	
6.	Floor board	M/s-T.W.P.L. MUMBAI	
7.	PVC	M/S RESPONSIVE IND.MUMBAI	
8.	UIC Vestibule (PPE)	M/S-SUNCREST IND.KOLKATA	
9.	UIC Vestibule (NPPE)	M/S-SUNCREST IND.KOLKATA	
10.	Gangway bridge mounting (PPE)	M/S- MAHAVEER MATEL WORKS, KAPURTHALA	
11.	Gangway bridge mounting (NPPE)	M/S- MAHAVEER MATEL WORKS, KAPURTHALA	
12.	Body Side Window	M/s- SHATABDI SAFTY GLASS VADODARA	
13.	Emergency Window	M/s- SHATABDI SAFTY GLASS VADODARA	
14.	Lavatory/hopper Window	M/s- SHATABDI SAFTY GLASS VADODARA	
15.	Roof Ceiling	M/s- MOBILY SOLUTION LTD.MOHALI	
16.	Door way /gang way ceiling	M/S- AMIRCHAND ENGG.WORKS, JALANDHAR	
17.	Supply Air Duct	M/s-P.D. STEEL PANCHKULA	
18.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
19.	Partition pillar	M/S- JR INDUSTRIES JALANDHAR	
20.	Side Wall panel	M/S-ALEX INTER INTERNATIONAL KXH	
21.	AC Trough	M/s- FIBRO PLASTIC PVT. LTD.	
22.	Body Side Doors 1,3	M/s- JVR INDS, LUDHIYANA	
23.	Body Side Doors 2,4	M/S- SUKATA TRACTOR PARTS PVT.LTD. CDG	
24.	Compartment Door (PPE)	M/s- KALSI FAB PVT. LTD. LDH	
25.	Compartment Door (NPPE)	M/s- KALSI FAB PVT. LTD. LDH	
26.	Vestibule Door(PPE)	M/S- JBM INDUSTRIES, FARIDABAD	
27.	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
28.	Bio Tank	M/s- FLASH FORGE (P)LTD. VIZAG	
29.	Auxiliary Water Tank	M/S- AMIT ENG. MOHALI	
30.	Under Slung Water Tank (2X685L)	M/S- AMIT ENG. MOHALI	
31.	Under Slung Water Tank (1x450 L)	M/S- AMIT ENG. BADDI	
32.	Health Faucet	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
33.	Lotah Filler Tap	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
34.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
35.	Lavatory Modules 1,2,4	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
36.	Lavatory Modules 3	M/S- CMT MECHANISED SYSTEM PVT.LTD.,VADODARA	
37.	Lavatory Doors	M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA	
38.	Fire Extinguisher	M/s-SAFETY PLUS FIRE SERVICE	PPE-2220 ,NPPE-2353
39.	Automatic smoke & heat Detection with alarm System	M/s-SANROK ENTER PRISES	
40.	Seat & Berth	M/S ANANYA RAIL COACH COMPONENTS IND.	
41.	Light Luggage Rack	M/S- LUCKY ENTERPRISES , GURUGAON	
42.	Snack Table	M/S- INTERNATIONAL TRACTORS LTD. JALNDHAR	
43.	RFID	M/s-TECH SOLUTION GURGAON	Sr.-104177-104178

SSE/QC/MCF/RBL
 गुणवत्ता विभाग
 रेडिओ, रायबरेली (लालमन)



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/704

RLY	--	C	R	Coach No.	1	9	6	2	7	9	/	C	DATE OF DISPATCH	1	0	-	0	9	-	1	9
-----	----	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	N	Shell No.	9	3	1	2	3	FUR.NO.	L3T-1264
-------------	----------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	----------

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
1.	Wheels provided by M/S-Sail Durgapur and assembled by MCF/RBL.	Trial	Feed back is require to quality MCF/RBL	---

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.

वरिष्ठ अभियंता गुणवत्ता विभाग रेलवे SSE/QC/MCF/RBL	SME/QC/MCF/RBL वरिष्ठ यांत्रिक अभियंता/गुणवत्ता	Dy.CQM/MCF/RBL मुख्य गुणवत्ता नियंत्रक/रेल
--	--	---

Senior Mechanical Engineer/Quality
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory Raebareli

Chief Q
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE:18.01.2017

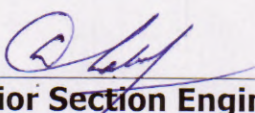
PAGE 1 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES				
TYPE COACH		LWACCN	SHELL/COACH NO	196279/C
RAILWAY		CR	DATE OF DESPATCH	
Sr no	Description of tests			Remarks
1.0	REFERENCE SPECIFICATION : L 446			
1.1	AIR CONDITIONING TEST : ELPS/TP/AC 01.			
1.2	CODE OF PRACTICE OF WIRING : ELPS/SPEC/EOG/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	19.87 Cub mtr/min		OK
3.2	Return Air	61.50 Cub mtr/min		OK
3.3	Exhaust Air	5.94 Cub mtr/min		OK
3.4	Conditioned Air	162.03 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 NOT DONE.			----
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.			----


Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE: 18.01.2017

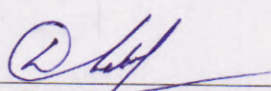
PAGE 2 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB EOG AC COACHES

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 COMPOSITE PANTRY	OK
10.0	COMPARTMENT LIGHT	OK
11.0	PUBLIC ADDRESSING SYSTEM (PAS)	OK
12.0	WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
13.0	WORKING OF 60KVA TRANSFORMER	OK
14.0	WORKING OF REGULATED BATTERY CHARGER	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
16.0	SAFETIES :	
16.1	THERMOSTAT :	OK
16.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
16.3	MID SET POINTS (SENSORS FAILED CONDITIONS)	OK
16.4	HYGROSTAT	OK
16.5	CONTROL CIRCUIT	OK
16.6	POWER CIRCUIT	OK
17.0	REFRIGERANT USED R 407C	OK


Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE:18.01.2017

PAGE 3 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof mounted AC package unit for LHB AC coaches. Make : FEEL Sr no of RMPU (NPP side): 2119001138 Sr no of RMPU (PP side) : 2119001129 Sr no of Microprocessor: 19.02.042 A PAUL	As per rdso/pe/spes/ac/0061/rev-1/2005	02
02.	Switch board cabinet Make : AMIT ENGG. Sr no : AE/SB-768	RDSO/PE/SPEC/AC/0184-2015 REV-0	01
03.	Pump equipment with PLC controller & pump box Make : DR AUTO Sr no PA : 2019/02/0052 Sr no.1 : 19080475 Sr no.2 : 19080477 Sr no.CPA : 2019/08/115-DR AUTO	As per spec EDTS 186,Rev-a, Am- 2	01
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : INTEG	EDTS331, TYPE-1 CORR.-1&2	02
05.	Door way/Gangway Light Make : RT VISION	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N	07
06.	Provision of Passenger area light(Cabin) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	09
07.	Corridor Light with Night light Make: DR AUTO	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09
08.	Emergency light system for EOG type coaches (AEL) Make : A PAUL	EDTS 151,Rev -c Am-1 & 2	04
09.	Lavatory light fitting assly Make : RT VISION	LW 76001,Alt nil	04
10.	Toilet indication (WC) light, Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1	04
11.	Passenger alarm coach indication light Make : KAVERI	LW 76005,Alt-e	02

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

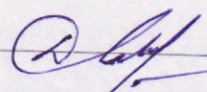
REV NO: 00

DATE:18.01.2017

PAGE 4 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
12.	Razor socket for WC 110/240V. Make : SSK	EDML 047,Rev nil	04
13.	Terminal strip Make : WAGO	EDML 034,Rev-a	01 SET
14.	Terminal connector Make : WAGO	EDML 037,Rev`a'	1 SET
15.	Provision of 04 switch with socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make : SSK	LW 74202 EDML 0,64,Rev-A,AM-1 Item 07.	18
16.	Provision of switch socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make : SSK	EDML 0,64,Rev-B, Item -16.	54
17.	PA system for LHB coaches Make : AHUJA	EDTS 173,Rev- a Am-1,2&3	01 set
18.	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 : 08/18	EDTS 129,Rev nil	01 set
19.	Battery box for LHB coaches. Make : HITECH	1 10113 0 76 700 005 w/o item 5,22,23,26 & 27.	01
20.	Battery fuse box +ve Make : RADIANT	As per LW 71001,Alt-F	01
21.	Battery fuse box -ve Make : RADIANT	As per LW 71002,Alt-F	01
22.	Reading light for longitudinal berth (LHS) Make : DR AUTO	As per RDSO/PE/SPEC/TL/009 1-2016,REV-01, TYPE-F1	9


Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE:18.01.2017

PAGE 5 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.	Reading light for upper berth Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2	27
24.	Reading light for transverse berth (RHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3	18
25.	Reading light for berth transverse (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4	18
26.	Emergency battery charger Make : M.B & COMPANY Sr no: 201907300	EDTS 163,Rev `c` corg.-2&3	01
27.	Regulated battery charger Make : EEC Sr no: 11180041	RDSO/PE/SPEC/AC/0183 (REV -0)	01
28.	Provision of 5KVA TFR Make : WAVES SL.no : WLDT 5L 18379	As Per EDTS-366,REV-NIL & CC-71510	01
29.	Provision of capacitor Bank Make : KONTACT SL.no : KT-957	As per EDML-130 Rev-1,Corr-1	01
30.	60KVA transformer Make : VIMAL Sr no : VTC-R- 3089 LHB-1459	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	01
31.	Inter Vehicle (ZS)coupler Make: PRIME ELECT.	As per RDSO PE SPEC-0177-2013 REV-0	01 set
32.	Feeder junction boxes. Make : NEC	EDTS-328 REV-C	01 set
33.	Wheel set earthing equipment. Make : CHANDA & CHANDA	EDTS101,REV-C,AM-1	02 sets
34.	Wheel Slide Protection System (WSP) Make : KNORR Sr no : 0119101354	M/s : KNORR	01 set
35.	PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : NIL	As per EDTS -139, Rev- E ,Sec II.	00

SSE/EL/QC

AWM(E)/MCF/RBL
SEE(P)/MCF/RBL

वरिष्ठ अनुभाग अभियन्ता
गुणवत्ता नियंत्रण
आ०रे०डि०का०/लालगंज/रायबरेली
S.S.E./Elect-QC/M.C.F./LJ/RBL

स० कार्य प्रबन्धक/विद्युत
आ०रे०डि०का०/रायबरेली
A.W.M./Electrical/MCF/RBL

