



# Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002/PC

REV NO: 00

DATE: 10.10.2017

## ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/221

Coach No.		1	8	8	5	2	/	C	-	-	DATE OF DISPATCH				2	7	-	0	6	-	1	8			
RLY	N	W	R	-	Type	L	W	L	R	R	M	Shell No.	8	8	0	0	3	-	2	0	1	8	-	1	9

1. Railway Board's Order No. : 2018/M(C)/142/2 Dated. 16.04.2018
2. Tare Weight of Coach : 53.2 Tonnes
3. Carrying Capacity : (a) Seating: NIL (b) Sleeping: NIL (c) Luggage: 3.9 tones

### 4. 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) 1105 (NPPE) 2) 1101 (PPE)

### 5. TRACEABILITY OF SHELL ITEMS:

5. TRACEABILITY OF SHELL ITEMS:							
S NO	ITEM		MAKE/SUPPLIER	SERIAL NO			
1.	Under frame	Front Part	M/S Omax auto gurgaon HR	PP END	05	NPP END	05
		Complete	M/S Omax auto gurgaon HR				
2.	Side wall		M/s MCF/RBL	RH	88003	LH	88003
3.	End wall	M/S Omax auto gurgaon HR	M/S Omax auto gurgaon HR	PP END	88003	NPP END	88003
4.	Roof		M/S DTL ancillaries ltd pune				
5.	Centre Buffer Coupler		M/S Escorts ltd railway equipment FBD	PP END	3530	NPP END	3584
6.	Buffers		M/S Raneka ind.ltd.	N.A		NPP END	88003

### 6. AIR BRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED VALUE
1.	Full brake application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup> . Max. pressure in BC All Brake are applied	6 - 10 sec. 3.0 ± 0.15 kg/cm <sup>2</sup> . OK	07 sec. 3.0 kg/cm <sup>2</sup> OK
2.	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min.	No brake application	OK
3.	Sensitivity	Exhaust BP@ 0.1kg/cm <sup>2</sup> /Sec, after 06 Sec.	Brake must apply	OK
4.	Handbrake(Parking brake)for generator car	1.Apply hand brake 2.Release hand brake	1.Hand Bk. indicator should be red 2.Hand Bk. .indicator should be green	OK OK

### 7. FIRE TESTING:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED VALUE
1	generator car	Smoke detection	1.controller should display smoke in zone 1,2 2.strobe light & hooter should activate	OK
		Heat detection	1.controller should display smoke/heat in zone 1,2 2 strobe light & hooter should activate	OK

### 8. PAINTING DAETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY)	AVERAGE GLOSS VALUE
1.	Paint	P.U	M/S-Nerolac	SUPPLY & APPLY	74/86
2.	Insulation			Satisfactory	

SSE/QC/MCF/RBL

रेडिओका, रायबरेली (लालगंज)



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/221

Coach No.	1	8	8	5	2	/	C		-	DATE OF DISPATCH	2	7	.	0	6	.	1	8							
RLY	N	W	R	-	Type	L	W	L	R	R	M	Shell No.	8	8	0	0	3	-	-	-	-	-	-	-	-

**8. DETAIL OF BOGIES :**

ITEMS	NPP Side				PP Side			
Bogie No	180484				180483			
Bogie Type	FIAT				FIAT			
Frame no.	ECBT-623				AML-028			
Bolster no.	MCF/RBL-1591				SFPL-337			
Axle No	18A-8314RWF		18 F - 2755RWF		18 F - 2501 RWF		18 F - 2500 RWF	
Wheel Dia	917.578	917.465	917.581	917.47	917.459	917.394	917.475	917.497
Wheel Disc No	TZ05-17 13586-70K5	TZ03-17 04321-70K7	TZ03-17 04392-70K7	TZ03-17 04391-70K7	TZ03-17 03602-7NN8	TZ05-17 13398-70L6	TZ03-17 03255-7NL1	TZ03-17 03851-70H3
R.B. Nos.	06-17 26629	01-18 29007	06-17 26632	01-18 28565	01-18 26709	11-17 18056	11-17 18818	01-18 26991
CT R B Make	SKF		SKF		SKF		SKF	

**9. 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.	CMGBD04-18-836-45-19	CMAFJ02-18-8837-60	CMGBD04-18-836-45-21	CMAFJ02-18-8837-33	CMGBD03-18-146-25-16	CMGBD01-18-145-01-125	CMGBD03-18-146-25-12	CMGBD01-18-145-01-95
Compressed Ht. at Tested Load	515	466	514	471	512	468	510	466
Alignment deviation (mm)	9	18	12	18	10	11	11	11

**10. TRACEABILITY OF BOGIE ITEMS:**

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	5984,5978	6306,5980
2.	Primary outer Spring	CVFSK	10-17 7142-309 (57,92,80,108)	10-17 7142-309 (96,99,53,98)
3.	Primary Inner Spring	CMFSK	04-18-7143-408(1372,265,647,75)	04-17-7143-308 (24,266,51,477)
4.	Primary Damper	KNORR	01-18(15949,16129,16042,15936)	11-17(13015,13041),12-17 13338,02-18 16420
5.	Secondary Damper	IAI	03-18 (2025 ,202300)	03-18(202294,202254)
6.	Lateral Damper	IAI	01-18 198467	01-18 198460
7.	Brake Cylinder	KBI	A1017K29,A0123K29,A0145K29,A1114K29	A1080K29,L7566-35,L7563-35,A1111K29
8.	Brake Caliper	KBI	0769-29,0309-29,0392,0792-29	0790-29,0012-29,0008-29,0804-29
9.	Brake Disc	FAV	05-18(4625,4626,4624,4623)D133561-300	05-18(4771,4773,4688,4820)D133561-300
10.	Ball Joint Control Arm	MB		
11.	Lateral Bump Stop	AR/BONY		
12.	Traction Centre make	EMSON/SARITA		
13.	Traction lever make	SF		
14.	Ball joint traction lever	S-BLOC		
15.	Ball joint traction centre	MTC		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	GMT		
18.	Anti roll bar make	SARITA		
19.	Roll Link make	SARITA/ S-BLOC		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE	RVE, RVE, RVE,040518-2	280418-2,280418-2,250518-2,240418-2
22.	Control Arm Lower	RVE	RVE,010518-2,300418-2, RVE	300418-2,RVE,RVE,300418-2

Signature of SSE/Bogie/QC





# Modern Coach Factory Raebareli

DOC NO.: MCF/RBL/QMF 8002/PC

REV NO: 00

DATE: 10.10.2017

आधुनिक रेल डिब्बा कारखाना, रायबरेली

## ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/221

Coach No.	1	8	8	5	2	/	C	-	-	DATE OF DISPATCH	2	7	-	0	6	-	1	8
-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

RLY	N	W	R	-	Type	L	W	L	R	R	M	Shell No.	8	8	0	0	3	-	2	0	1	8	-	1	9
-----	---	---	---	---	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---	---	---	---	---	---	---	---

### 12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s KBI Faridabad. New Delhi	0059 03/18
2.	Distribution valve	M/s KBI Faridabad. New Delhi	2018A4211
3.	Hand brake equipment	M/s PALSTO POWER P.B.	
4.	Foot Step	M/s Super spark pvt.ltd. Faridabad	
5.	Floor board	M/s TWPL mumbai	
6.	PVC	M/s Premier polyfilm, New Delhi	
7.	UIC Vestibule (NPPE)	M/s-ELASTOMER MUMBAI	
8.	Gangway bridge mounting (NPPE)	M/s Mahaveer matel works Kapurthala	
9.	AL. Chequer plate/sheet	M/s Hanspal coach products KXH	
10.	Automatic fire detection & suppression system	M/S Sanrok faridabad	
11.	Body Side Window	M/S AXSYS SULTION H.P	
12.	Lavatory/hopper Window	M/s Aikon ind.salon H.P	
13.	Roof Ceiling	M/s Amirchand engg. Jalandhar (crew room) & GANDHI SAFE & ALLIED Jalandhar(guard room)	
14.	Generator room ceiling	M/s Birkan engg.pvt.ltd.GAZIABAD	
15.	RMPU	M/s INTEC U.K	
16.	AC Trough	M/s Geepee guargao	
17.	Luggage sliding door	M/s Guru.Nanak .Ind.. Pvt.ltd. PB	
18.	Hatch door	M/S LOGOMOTIVE LTD. Jalandhar	
19.	Body Side Doors	M/s JVR LDH	
20.	Vestibule Door(NPPE)	M/s JBM Faridabad	
21.	Crew/gen. room door	M/s JBM Faridabad	
22.	Crew/guard room door	M/s kalsi LDH	
23.	Bio Tank (01 No LAV.)	M/s RAIL FAB KXH	
24.	Auxiliary Water Tank(1x30L)	M/s RAIL TECH KXH	
25.	Under Slung Water Tank (1x450 L)	M/s AMIT ENG. mohali	
26.	Fuel tank (2x1500 L)	M/s GAURAV ASSOCIATE NDLS	
27.	Flexible Faucet	M/s Hindustan fibre ltd vadodara	
28.	Lotah Filler Tap	M/s Hindustan fibre ltd vadodara	
29.	Bib cock	M/s KALSI PUPMP JALANDHER	
30.	Composite modular toilet	M/s Hindustan fibre ltd vadodara	
31.	Lavatory Doors	M/s Hindustan fibre ltd vadodara	
32.	Seat & Berth	M/s GANDHI SAFE & ALLIED JALANDHER	
33.	Luggage Rack	N/A	
34.	Folding Table	M/S OM IND, UTTRAKHAND	

*[Signature]*  
SSE/QC/MCF/RBL

गुणवत्ता विभाग

रेडि०का०, रायबरेली (लालगंज)



# Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002/PC

REV NO: 00

DATE: 10.10.2017

## ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/221

Coach No.				1	8	8	5	2	/	C	-	-	DATE OF DISPATCH				2	7	-	0	6	-	1	8	
RLY	N	W	R	-	Type	L	W	L	R	R	M	Shell No.	8	8	0	0	3	-	2	0	1	8	-	1	9

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	REFERENCE & PERIOD OF TRIAL
			Frequency	

## 16. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, 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 अनुष्ठानिक अभियंता SSE/QC/MCF/RBL रेल डिब्बा कारखाना, रायबरेली (लालगंज)	 सहायक अभियंता / गुणवत्ता Assistant Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	 Dy. Chief Quality Manager 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: 11.09.2017


PAGE 1 OF 6

**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB POWER CAR

ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

TYPE COACH		LWRRM	SHELL/COACH NO	18852/C
RAILWAY		NWR	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	14.58 Cub mtr/min		OK
3.2	Return Air	26.33 Cub mtr/min		OK
3.3	Exhaust Air	NIL Cub mtr/min		OK
3.4	Conditioned Air	54.73Cub mtr/min		OK
4.0	<b>PRE COOLING TEST: Max 01 hr.</b> Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition  PP Side : 21.4 °C			OK
5.0	<b>PULL DOWN TEST: Max 02 hrs.</b> Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition.  Not done			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:11.09.2017

PAGE 2 OF 6

**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB POWER CAR  
ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

Sr no	Description of test	Remarks
6.0	HUMIDITY CONTROL	OK
7.0	PUMP EQUIPMENTS	OK
8.0	WORKING OF EXHAUST FAN OVER	OK
10.0	LIGHT	OK
11.0	PUBLIC ADDRESSING SYSTEM ( PAS )	OK
12.0	WHEEL SLIDE PROTECTION SYSTEM ( WSP )	OK
13.0	WORKING OF 60KVA TRANSFORMERS	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGERS	OK
16.0	SAFETIES :	
16.1	THERMOSTAT :	OK
16.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
16.3	HYGROSTAT	OK
16.4	CONTROL CIRCUIT	OK
16.5	POWER CIRCUIT	OK
16.6	ALTERNATER EARTH LEAKAGE RELAY	OK
16.7	FEEDER EARTH LEAKAGE RELAY	OK
16.8	UNDER VOLTAGE RELAY	OK
16.9	OVER VOLTAGE RELAY	OK
16.10	BUS COUPLAR	OK
16.11	FEEDER CONTACTOR	OK
16.12	SMOKE TEST	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:11.09.2017

PAGE 3 OF 6

ROLLING STOCK CERTIFICATE OF LHB/ POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof mounted AC package unit for LHB AC coaches Make : <b>INTEC</b> Sr no of RMPU (PP side): <b>18D997T2</b> Sr no of Microprocessor: <b>18.01.1148 -SIDWAL</b>	RDSO/pe/spes/ac/0061/rev-1/2005	<b>02</b>
02.	Power and Control Panel for LHB Power car, Make: <b>ISG</b> Sr no : <b>PCP-MCF-18-05-0014</b>	EDTS-103 ,REV-c	<b>01</b>
04.	Switch board cabinet Make : <b>SSK</b> Sr no : <b>2018-03-002</b>	EDTS 104, REV-a	<b>01</b>
05.	Pump equipment with PLC controller & pump box Make: <b>DR AUTO</b> Sr no PA- <b>2018/03/087</b> Sr no.1- <b>18020278</b> Sr no.2- <b>18020245</b> Sr no.CPA- <b>2018/03/003</b>	EDTS 186,Rev-a, Am- 2	<b>01</b>
06.	Lavatory light fitting assly Make : <b>DR AUTO</b>	LW 76001,Alt nil	<b>01</b>
07.	Passenger alarm coach indication light Make : <b>DR AUTO</b>	LW 76005,Alt-e	<b>02</b>
08.	Razor socket for WC 110/240V Make : <b>SSK</b>	EDML 047 ,Rev nil	<b>01</b>
09.	Terminal strip Make : <b>WAGO</b>	EDML 034,Rev-a	<b>01</b>
10.	Terminal connector Make : <b>WAGO</b>	EDML 037,Rev`a`	<b>01</b>
11.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make: <b>SSK</b>	EDML 047,Rev- C, Item 1.	<b>02</b>
12.	PA system for LHB coaches Make : <b>AHUJA</b>	EDTS 173,TYPE -II	<b>01 set</b>
13.	70AH/110V,54 Cells,02V each ,maintenance free pure lead acid tin monoblock ,battery set with 09 modules 12V each. , factory pre charged. Make : <b>AMARA RAJA</b> Lug date : <b>05/18</b>	EDTS 129,Rev nil	<b>01 set</b>

  
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: 11.09.2017

PAGE 4 OF 6

ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
14.	SET OF BATTERY FOR DA (A & B) (A) Make: <b>CELTEK</b> Lug date: <b>02/18</b> (B) Make: <b>CELTEK</b> Lug date: <b>02/18</b>		<b>02 sets</b>
15.	Battery box for LHB coaches. MAKE- <b>TECHNO INDUSTRIES</b>	1 10113.0.76.700.005 w/o item 5,22,23,26 & 27.ALT C	<b>01</b>
16.	Battery fuse box +ve Make : <b>INTEG</b>	LW 71001,Alt-F	<b>01</b>
17.	Battery fuse box -ve Make : <b>INTEG</b>	LW 71002,Alt-F	<b>01</b>
18.	60KVA TFR Make- <b>VIMAL</b> Sr no:1. <b>5594</b> Make- <b>AUTOMATIC</b> Sr no:2. <b>3/18/T510483/171</b> Make- <b>AUTOMATIC</b> Sr no:3. <b>3/18/T510483/103</b>	EDTS 076, Rev-0. 1.for panel 2.for Rad. Motor A 3.for Rad. Motor B	<b>03</b>
19.	Capacitor Bank Make: <b>S.INTERNATIONAL</b> SL.no. <b>363-02/18</b>	EDML-130 Rev-1,Corr-1	<b>01</b>
20.	Emergency Battery Charger Make- <b>BHASIN</b> Sr no:1. <b>10174708</b> Make- <b>BHASIN</b> Sr no:2. <b>10174673</b>	EDTS-163 REV-C, corg-2&3	<b>02</b>
21.	Wheel set earthling equipment. Make : <b>MAA LAXMI INDUSTRIES</b>	EDTS101,REV-C,AM-1	<b>02</b>
22.	Wheel Slide Protection System (WSP) Make- <b>KNORR</b> Sr no : <b>0118104903</b>	MDTS 077 REV-2	<b>01 set</b>
23.	500KVA/750V/03Ph DIESEL ALTERNATOR set, complete with Power & Control panel.	EDTS 102, Rev`c'	<b>02</b>
23.a1	Sr no of Alternator "A" Make- <b>STAMFORT</b> Sr No- <b>N17L500918</b>	EDTS 102, Rev`c'	<b>01</b>
23.a2	Sr no of Diesel Engine "A" Make- <b>CUMMINS</b> Sr no- <b>25434568</b>	EDTS 102, Rev`c'	<b>01</b>

**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:11.09.2017

PAGE 5 OF 6

ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.b 1	Sr no of Alternator "B" Make- <b>STAMFORT</b> Sr no : <b>N17L500809</b>	EDTS 102, Rev`c'	<b>01</b>
23.b 2	Sr no of Diesel Engine "B" Make- <b>CUMMINS</b> Sr no : <b>25434571</b>	EDTS 102,	<b>01</b>
24.	Control Panel for ventilator Fan motor for Diesel Engine "A" Make- <b>ISG</b> Sr no- <b>CPVF-MCF-17-09-0014</b>	EDTS 110,REV-NIL	<b>01</b>
25.	Ventilator Fan Motor for Diesel Engine "A" 1.Make: <b>ABB</b> Sl no: <b>1518840</b> 2.Make: <b>ABB</b> Sl no: <b>1481790</b>	EDTS 110,Rev nil	<b>01</b>
26.	Radiator Fan Motor for Diesel Engine -"A" Make: <b>ABB</b> SL no: <b>3G1J17440001508356</b>	EDTS 104, Rev`a'	<b>01</b>
27.	Control Panel for Radiator Fan motor for Diesel Engine "A" Make- <b>ABROL</b> Sr no- <b>2017-07-101</b>	EDTS-104,REV-A	<b>01</b>
28.	Ventilator Fan Motor for Diesel Engine "B" 1.Make: <b>ABB</b> Sl no: <b>7004581</b> 2.Sl no <b>1472878</b>	EDTS 110,Rev nil	<b>01</b>
29.	Control Panel for ventilator Fan motor for Diesel Engine "B" Make- <b>ISG</b> Sr no- <b>CPVF-MCF-17-09-0014</b>	EDTS 110,REV-NIL	<b>01</b>

  
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: 11.09.2017

PAGE 6 OF 6

ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
30.	Radiator Fan Motor for Diesel Engine -"B" Make: <b>ABB</b> Sr no- <b>3G1J17500001523347</b>	EDTS 104, Rev`a`	<b>01</b>
31.	Control Panel for Radiator Fan motor for Diesel Engine "B" Make- <b>ABROL</b> Sr no- <b>2017-07-110</b>	EDTS-104,REV-A	<b>01</b>
32..	Starter Battery Charging Control Panel -A & B Make : <b>ISG</b> Sr no: <b>SBC-MCF-17-05-0030</b>	EDTS 116,Rev nil	<b>01</b>
33.	Feeder Junction box. Make: <b>NEC</b>	EDML 020, Rev`a`.	<b>01 set</b>
34.	Single Inlet Radial Blower, 415V/03Ph/185W/ 1045Cub mtr/hr discharge from S1 & S2 & Lavatory. Make- <b>INTEG</b>	EDTS-331, TYPE-2	<b>01</b>
35.	Lights Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-N & LW 76099	<b>20</b>
36.	Smoke Detector Unit. Make: <b>AG RAIL</b> Sr no: <b>500297</b>	EDTS 087,Rev`a`,Type II	<b>01</b>
37.	Provision of Tail light switch 2P/16A/ SG16, mounted in ABC plastic enclosure with round padlock, 90DEG, ON/OFF. Make: <b>SSK</b>	As per Cat no. SG 16	<b>02</b>
38.	ZS coupling 400A , 750V ,03Ph,50Hz. Make 1.(NPP): <b>PRIME ELECT.</b> 2.(PP): <b>PRIME ELECT.</b>	EDTS 105, Rev`c`.	<b>01 set</b>
39.	Connector for External supply socket. Make: <b>MV</b>	EDML 013, Rev nil.	<b>02</b>

<b>SSE/EL/QC</b>	<b>SEE(P)/MCF/RBL/ DYCEE/P&amp;P/MCF/RBL</b>

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

वरिष्ठ विद्युत अभियन्ता  
रेल कोच फैक्टरी, रायबरेली, लखनऊ  
Sr. Electrical Engineer / RCF / RBL / Lucknow