



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/2019-20/658

RLY	N	W	R	-	Coach No.	1	9	6	2	3	8	/	C	DATE OF DISPATCH	2	9	-	0	8	-	1	9
-----	---	---	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH TO	Sr.DME/C&W/IP	Type	L	W	A	C	C	W	Shell No.	9	3	1	5	6	FUR.NO.	L2T(T)-60
-------------	---------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	-----------

1. Railway Board's Order No. : 2019/M(C)/142/2, Dated- 03.06.2019
2. Tare Weight of Coach : 44.5 Tonnes
3. Carrying Capacity : (a) Seating: 52 (b) Sleeping: 52 (c) Luggage: NIL
4. **Special feature**

A- Due to fitment of L3T roof in L2T shell, more space available in transverse side.

B- Extend linen room to accommodate the space NPP end (width 270 mm)

C- Height (from floor level to ceiling) raised from 2250mm to 2510mm.

C1- Gap extend between transverse side upper berth and ceiling from 830mm to 894mm.

C2- Gap extend between transverse side lower berth and upper berth from 920mm to 1065mm.

C3- Gap extend between transverse side floor level to lower berth from 420mm to 465mm.

D- Provision of sliding cum sleeping berth. (MAKE- M/S- ANANYA RAIL COACH COMPONENTS IND.LLJ)

E- 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

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) 1105 (NPPE) 2) 1105 (PPE)

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Under frame	Front PP END M/S- RAIL TECH KXH	70
		Part NPP END M/S- RAIL TECH KXH	70
		Complete M/S- RAIL TECH KXH	70
2.	Lav. side wall	M/S- RAIL FAB KXH	LAV.1 - LAV.2 -
		M/S- RAIL FAB KXH	LAV.3 - LAV.4 -
3.	Side wall	LH SIDE MCF/RBL(V4U)	51
		RH SIDE MCF/RBL(V4U)	51
4.	End wall	PP END M/S -OMEX REWARI	---
		NPP END M/S -OMEX REWARI	---
5.	Roof	M/S Pennar ind. Ltd. Thiruvallur Cheenai	58
6.	Centre Buffer Coupler	M/S ESCORTS LTD	PP END 9333 NPP END 9420

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-VIBGYOR	M/S- VIBGYOR	90/88	21/05/19
2.	Insulation			Satisfactory		

SSE/QC/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/2019-20/658

RLY	N	W	R	Coach No.	1	9	6	2	3	8	/	C	-	DATE OF DISPATCH	2	9	0	8	2	0	1	9
-----	---	---	---	-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	Sr.DME/C&W/IP	Type	L	W	A	C	C	W	Shell No.	9	3	1	5	6	FUR.NO	L2T-T-60
----------	---------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	--------	----------

9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	194015				194016			
Bogie Type	FIAT				FIAT			
Frame no.	WIL-217				WIL-183			
Bolster no.	MCF/RBL-LS5-808				MCF/RBL-LS5-816			
Axle No	19 P - 8233 RWF		19 P - 7525 RWF		19 P - 7564 RWF		19 P - 7011 RWF	
Wheel Dia.	917.543	917.55	917.56	917.536	917.546	917.541	917.568	917.583
Wheel Disc No	TZ 05-19 49143-9PJ2	TZ 05-19 31169-90D5	TZ 05-19 48410-9PE6	TZ 05-19 49124-9PJ2	TZ 11-18 06668-8WH2	TZ 11-18 06669-8WK3	TZ 02-19 22694-9MK4	TZ 11-18 06667-8WJ2
R.B. Nos.	09-18 29778	09-18 25771	09-18 29808	09-18 29980	09-18 25579	09-18 25564	09-18 25907	09-18 26468
CT R B Make	SKF		SKF		SKF		SKF	

10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
Make & Nos.	Secondary 1	Secondary 2	Secondary 1	Secondary 2
	TAYAL & CO. Sr.NO.19-05 0591	TAYAL & CO. Sr.NO.19-05 0613	TAYAL & CO. Sr.NO. 19-05 0615	TAYAL & CO. Sr.NO. 19-05 0628

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KBI	13869,13863	13884,13864
2.	Primary outer Spring	CMFSK	03-19 7411-545(1791,1641,1485,1779)	05-19 7411-545(1766,1778,1503,1753)
3.	Primary Inner Spring	CMFSK	01-19 1038-559 -(1635,1952,2037,1669)	05-19 7143-559(1685,1970,2011,1857)
4.	Primary Damper	KONI	03-19 (00158,00153,00147,00190)	03-19 (00120,01475,00160,00174)
5.	Secondary Damper	KNORR	01-19 (17245,17275)	02-19 (17399,17243)
6.	Lateral Damper	GABRIEL	11-18 1129	02-18 1130
7.	Brake Cylinder	KBI	B(4227,3401,6395,4280)K-29	B(4265,3592,3452,4277)K-29
8.	Brake Caliper	KBI	B(1814,1813,1835,1032)-29	B(1846,2000,1834,1831)-29
9.	Brake Disc	KBI	24173129 0041-09/19,24173130 0030-09/19 24173120 0040-07/19,24173123 0059-07/19	24173129 0003-09/19,24173130 0016-09/19 24173126 0058-08/19,24173127 0012-08/19
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA		
13.	Traction lever make	JI		
14.	Ball joint traction lever	AR/ARYAN		
15.	Ball joint traction centre	AR		
16.	Leveling Valve	ESCORT	1904,1904	1904,1904
17.	Check Valve	ESCORT	1904	1904
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/GMT,SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	SF	494,175,84,230	183,251,596,11
22.	Control Arm Lower	SF	217,18,320,32	24,09,8,93
23.	Phonic Wheel	KNORR	K-06-19 640209	K-06-19 640209

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/2019-20/658

RLY	N	W	R	-	Coach No.	1	9	6	2	3	8	/	C	DATE OF DISPATCH	2	9	-	0	8	-	1	9
-----	---	---	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH TO	Sr.DME/C&W/IP	Type	L	W	A	C	C	W	Shell No.	9	3	1	5	6	FUR.NO.	L2T(T)-60
-------------	---------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	-----------

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S- KBI, FARIDABAD	2656 17/19
2.	Distribution valve	M/S- KBI, FARIDABAD	2019 C 7581
3.	Pull box	M/S- KBI, FARIDABAD	
4.	FIBA	M/S- KBI, FARIDABAD	PP-5294,NPP-5331
5.	Foot Step	M/s- SUPER SPARKS PVT. LTD. FARIDABAD	
6.	D-coupling arrangement	M/S-KOHINOOR MUMBAI	
7.	Floor board	M/s- SHRI RAM PANEL S PUNJAB	
8.	PVC	M/S RESPONSIVE IND.MUMBAI	
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- SHATABDI SAFTEY GLASS VADODARA	
14.	Emergency Window	M/S- SHATABDI SAFTEY GLASS VADODARA	
15.	Hopper Window	M/S- SHATABDI SAFTEY GLASS VADODARA	
16.	Roof Ceiling	M/s-MSL (MOBILITY SOLUTION LTD.) MOHALI	
17.	Door way /gang way ceiling	M/s Amirchand engg.works Jalandhar	
18.	Supply Air Duct	M/s Hanspal TRADERS KXH	
19.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
20.	Partition pillar	M/S-SIDHU INTERNATIONAL KXH	
21.	Side Wall panel	M/s- HINDUSTAN FIBER GLASS, VADODRA (GUJARAT)	
22.	AC Trough	M/s-MSL (MOBILITY SOLUTION LTD.) MOHALI	
23.	Body Side Doors 2,3	M/S- JVR IND LDH	
24.	Body Side Doors 1,4	M/S- JBM FARIDABAD	
25.	Compartment Door (PPE)	M/S- KALSI LDH	
26.	Compartment Door (NPPE)	M/S- KALSI LDH	
27.	Vestibule Door(PPE)	M/S- JBM FARIDABAD	
28.	Vestibule Door(NPPE)	M/S- JBM FARIDABAD	
29.	Bio Tank	M/s- OMAX AUTO GURUGRAM	
30.	Auxiliary Water Tank	M/s- AMIT ENG. MOHALI	
31.	Under Slung Water Tank (2X685L)	M/s- AMIT ENG. BADDI	
32.	Under Slung Water Tank (1x450 L)	M/s- AMIT ENG. BADDI	
33.	Health Faucet	M/s- HINDUSTAN FIBER GLASS, VADODRA	
34.	Lotah Filler Tap	M/s- HINDUSTAN FIBER GLASS, VADODRA	
35.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
36.	Lavatory Modules 1,2,3	M/s- CMT MECHANISED VADODARA	
37.	Lavatory Modules 4	M/s- HINDUSTAN FIBER GLASS, VADODRA (GUJARAT)	
38.	Lavatory Doors	M/s- HINDUSTAN FIBER GLASS, VADODRA (GUJARAT)	
39.	Fire Extinguisher	M/S-ASHOKA ENGG.	PP-4100
40.	Fire Extinguisher	M/S-ASHOKA ENGG.	NPP-4110
41.	Seat & Berth	M/S ANANYA RAIL COACH COMPONENTS IND. LLJ	
42.	Light Luggage Rack	M/S- LUCKY ENT. GUNGAON	
43.	Snack Table	M/S- INTERNATIONAL TRACTORS LTD. JALNDHAR	

SSE/QC/MCF/RBL

मुख्यता विभाग

रेल डिब्बा कारखाना, रायबरेली (उत्तर प्रदेश)



MCF/RBL



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/2019-20/658

RLY	N	W	R	-	Coach No.	1	9	6	2	3	8	/	C	DATE OF DISPATCH	2	9	-	0	8	-	1	9
-----	---	---	---	---	-----------	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH TO	Sr.DME/C&W/JP	Type	L	W	A	C	C	W	Shell No.	9	3	1	5	6	FUR.NO.	L2T(T)-60
-------------	---------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---------	-----------

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 qualitycfrbl@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/QC/MCF/RBL मुख्यता विभाग रेडिबल, रायबरेली (लासगंज)	SME/QC/MCF/RBL Senior Mechanical Engineer/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory Raebareli	Dy.CQM/MCF/RBL Dy. Chief Quality Manager/Shell आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli



MCF/RBL

2T-T-60



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE: 18.01.2017

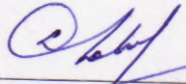
PAGE 1 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES				
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES				
TYPE COACH		LWACCW	SHELL/COACH NO	196238/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	19.96Cub mtr/min		OK
3.2	Return Air	82.07Cub mtr/min		OK
3.3	Exhaust Air	6.71Cub mtr/min		OK
3.4	Conditioned Air	164.40 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 :22.3 ⁰ C NPP Side :21.4 ⁰ 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			--


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

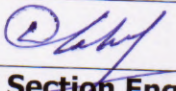
FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T 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	BERTH READING LIGHTS	OK
11.0	COMPARTMENT LIGHT	OK
12.0	PUBLIC ADDRESSING SYSTEM (PAS)	OK
13.0	WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF REGULATED BATTERY CHARGER	OK
16.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
17.0	SAFETIES :	
17.1	THERMOSTAT :	OK
17.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
17.3	MID SET POINTS (SENSORS FAILED CONDITIONS)	OK
17.4	HYGROSTAT	OK
17.5	CONTROL CIRCUIT	OK
17.6	POWER CIRCUIT	OK
18.0	REFRIGERANT USED	OK

R 407C


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

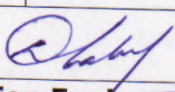
REV NO: 00

DATE:18.01.2017

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

PAGE 3 OF 5

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) 3685 F Sr no of RMPU 2(PP side): 3692 F Sr no of Microprocessor: AE 19.06.540	As per rdso/pe/spes/ac/0061/rev-1/2005	02
02.	Switch board cabinet Make : AMIT ENGG. Sr no : AE/SB-714	As per spec no .EDTS073,REV-D,AM-6	01
03.	Pump equipment with PLC controller& pump box Make: DR AUTO Sr no PA: 2019/05/100 Sr no.1: 19040331 Sr no.2: 19040325 Srno.CPA: 2019/06/121-DR AUTO	As per spec EDTS 186,Rev-a, Am-2	01
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cummtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : INTEG	EDTS331, TYPE-1 CORR.-1&2	02
05.	Passenger area Light(Cabin) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	09
06.	Corridor Light with Night light Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09
07.	Doorway/Gangway light, Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N	06
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


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

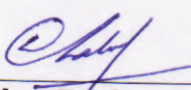
REV NO: 00

DATE:18.01.2017

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

PAGE 4 OF 5

Sr no	Description	Drg/Spec no.	Quantity per Coach
11.	Reading light for longitudinal berth (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1	9
12.	Reading light for upper berth Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2	26
13.	Reading light for transverse berth (RHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3	8
14.	Reading light for berth transverse (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4	9
15.	Passenger alarm coach indication light Make: KAVERI	LW 76005,Alt-e	02
16.	Razor socket for WC 110/240V. Make: SSK	EDML 047 ,Rev nil	04
17.	Terminal strip Make: WAGO	EDML 033,Rev-c	01
18.	Terminal connector Make: WAGO	EDML 037,Rev`a`	04
19.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make: SSK	EDML 047,Rev_C, Item 1.	09
20.	Single switch 06A/250V/AC ONE WAY complete with steel plate & cover frame Make: SSK	EDML 047,Rev_A ,Item 2.	09
21.	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.	09
22.	PA system for LHB coaches Make : AHUJA	EDTS 173 Rev- a Am-1,2&3	01 set


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 2T AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.	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
24.	Battery box for LHB coaches. Make: HITECH	As per drgno 1 10113 0 76 700 005,Alt C	01
25.	Battery fuse box +ve Make : RADIANT	LW 71001,Alt-F	01
26.	Battery fuse box -ve Make : RADIANT	LW 71002,Alt-F	01
27.	Regulated battery charger Make : M.B & COMPANY Sr no: 201907320	RDSO/PE/SPEC/AC/0183 (REV -0)	01
28.	Emergency battery charger Make : M.B & COMPANY Sr no: 201907263	EDTS 163,Rev `c' corg.-2&3	01
29.	5KVA Transformer Make: VIMAL SL.no : VTC 3089 LHB-1007	As Per EDTS-366,REV-NIL & CC-71510	01
30.	Capacitor Bank Make: KONTACT SL.no : KT-930	As per EDML-130 Rev-1,Corr-1	01
31.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089 LHB-1240	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	01
32.	ZS coupling 400A/750V/03Ph/50hz. Make : PRIME ELECT.	As per spec No EDTS 105,Rev `e' Am-2	02 sets
33.	Feeder junction boxes. Make : NEC	EDTS-328 REV-C	02
34.	Wheel set earthling equipment. Make : CHANDA & CHANDA	EDTS101,REV-C,AM-1	02
35.	Wheel Slide Protection System (WSP) Make: KNORR Sr no : 0119121543	M/s : KNORR	01 set
36.	PANTRY EQUIPMENTS : Hot Case, Bottle cooler cum deep freezer Make : NIL	As per spec no EDTS 139, Rev- E ,Sec II.	00

SSE/EL/QC

वरिष्ठ अनुभाग अभियन्ता

गुणवत्ता नियंत्रण

आपरेटिंगका/ लालगंज / रायबरेली

S.S.E/Elect-QC/M.C.F./LLJ/RBL

AWM(ELECT.)/MCF/RBL

DY CEE (PLG)/MCF/RBL

सं कार्य प्रबन्धक / विद्युत

आपरेटिंगका/ रायबरेली

A.W.M/Electrical/MCF/RBL