



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002
REV NO: 02
DATE: 28.05.21

ROLLING STOCK CERTIFICATE(AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 /13

RLY	CR	COACH NO	211608/C	DATE OF DISPATCH	2-Apr-21
Type	LWACCN	Shell No.	20C085	DISPATCH TO	Sr.DME/C&W/BB
				FUR.NO.	L3T-1541

1 Railway Board's Order No. : 2020/M (C)/142/2, Dt- 29.01.2020

2 Tare Weight & Carrying Capacity of Coach :

S.N	COACH TYPE	LWACCN	LWACCW	LWLRRM	LWCBAC	LFCWAC	LWSCZAC	LWFAC	LWFCZAC
i	Tare Weight	45.6	44.5	53.2	39	42.5	40.28		39
ii	Seating	72	52	NIL	15	10+28	78	24	56
iii	Sleeping	72	52	NIL	15	10+28	NIL	24	NIL
iv	Luggage	NIL	NIL	3.9	NIL	NIL	NIL	NIL	NIL

3 Special feature:

i 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

ii Venturi arrangement in lavatory

4 Smart feature: NIL

5 SHELL LEADING DIMENSIONS:

S.N	DESCRIPTION	DIMENSION (MM)
i	Maximum Length over body	23700
ii	Maximum Width over body	3240
iii	Maximum Height from Rail Level	LWACCN , LWACCW 4250
		LWLRRM,LWCBAC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC 4039
iv	CBC height/Buffer Height from Rail level	1105 +0/-10
		NPP/PP
		1099/1100

6 TRACEABILITY OF SHELL ITEMS:

S.N	ITEM	MAKE/SUPPLIER	SERIAL NO
i	Under frame	Front PP END M/S-SFPL	---
	Part	NPP END M/S-SFPL	---
	Complete	M/S-NAV NIRMAN	---
ii	Lav. side wall	M/S-RAIL TECH KXH	LAV.1 ----- LAV.2 -----
		M/S-RAIL TECH KXH	LAV.3 ----- LAV.4 -----
iii	Side wall	LH SIDE M/S-ECBT CHANDIGARH	118
		RH SIDE M/S-ECBT CHANDIGARH	118
iv	End wall	PP END M/S-DTL PUNE	-----
		NPP END M/S-DTL PUNE	-----
v	Roof	M/S-ECBT	167
vi	Centre Buffer Coupler	M/S-FRONTIER	NPP/PP 51-P1/140-P1
vii	Buffer	NIL	NPP/PP N/A

7 AIR BRAKE TEST REPORT:

S.N	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
i	Full brake application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ² .	6 – 10 sec.	08 Sec
		Max. pressure in BC	3.0 ±0.15 kg/cm ² .	3.0 kg/cm ²
		All Brake are applied	OK	OK
ii	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min.	No brake application	OK
iii	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, after 06 Sec.	Brake must apply	OK
iv	Handbrake(Parking brake)for generator car	1.Apply hand brake	1.Hand Bk. Indicator should be red	OK
		2.Release hand brake	2. Hand Bk. indicator should be green	OK

8 FIRE TESTING:

S.N	DESCRIPTION	SPEC. VALUE	OBSERVED
i	Smoke detection	A-controller should display smoke in zone 1,2	B-strobe light & hooter should activate
ii	Heat detection	A-controller should display smoke/heat in zone 1,2	B- strobe light & hooter should activate

9 PAINTING DETAILS:

S.N	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR (SUPPLY & APPLY)	AVERAGE GLOSS VALUE	DATE OF COMPLETION
i	Paint	P.U	VIBGYOR	M/S-VIBGYOR WOW	76/95	19-Mar-21
ii	Insulation			Satisfactory		

10 COACH FURNISH DETAILS :

S.N	ACTIVITIES	FIRM	TURNKEY/WORK CONTRACT/SUPPLY&APPLY
i	Coach Furnishing	M/S-CMT MECHANISED SYS	TURNKEY
ii	Air Brake	M/S-JAINEX	WORKS CONTRACT
iii	Bio toilet & flushing	M/S-H.F.G.W.VADODRA	TURNKEY
iv	Fire detection	NIL	NIL

Deema
SSE/QC/MCF/RBL
वारं भुजंग प्रभियंता
गुणवत्ता विभाग
रेडिओ, रायबरेली (लालगंज)



Modern Coach Factory Raebareilly
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002
REV NO: 02
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RLY	CR	COACH NO	211608/C			DATE OF DISPATCH	2-Apr-21
Type	LWACCN	Shell No.	20C085	DISPATCH TO	Sr.DME/C&W/BB	FUR.NO.	L3T-1541
11	MODIFICATION (IF ANY)			: NIL			
12	DEVIATION (IF ANY)			: NIL			
13	ITEM FITTED ON THE COACH ON TRIAL			: NIL			
S.N	ITEM PARTICULARS		PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL		
i							
14.A	TRACEABILITY OF FURNISHING ITEMS:(common items for all coach)						
S.N	ITEM		MAKE/SUPPLIER	SERIAL NO(NPP/PP)			
i	Air Brake Module		M/S-FAIVELEY	B21067B			
ii	Distribution valve		M/S-FAIVELEY	5573B			
iii	Pull box		M/S-KBI				
iv	FIBA		M/S-KBI	11578/29,1574/29			
v	Foot Step		M/S-FABRICON INDS KOLKATA				
vi	Decoupling arrangement		M/S-PULSAR INDS KOLKATA				
vii	Floor board		M/S-TWPL MUMBAI				
viii	PVC		M/S-CMT MECHANISED SYSTEM VADODRA				
ix	UIC Vestibule (PPE)		M/S-ELASTOMER LINING WORKS MUMBAI				
x	UIC Vestibule (NPPE)		M/S-ELASTOMER LINING WORKS MUMBAI				
xi	Gangway bridge mounting (PPE)		M/S-RAKESH IRON STORE KXH				
xii	Gangway bridge mounting (NPPE)		M/S-RAKESH IRON STORE KXH				
xiii	Body Side Window		M/S-CMT MECHANISED SYSTEM VADODRA				
xiv	Emergency Window		M/S-CMT MECHANISED SYSTEM VADODRA				
xv	Lavatory/hopper Window		M/S-CMT MECHANISED SYSTEM VADODRA				
xvi	Roof Ceiling		M/S-CMT MECHANISED SYSTEM VADODRA				
xvii	Door way /gang way ceiling		M/S-J.R INDUS JALANDHAR				
xviii	Supply Air Duct		M/S-HANSPAL TRADERS KXH				
xix	Partition panel		M/S-CMT MECHANISED SYSTEM VADODRA(HONEYCOMB)				
xx	Partition pillar		M/S-CMT MECHANISED SYSTEM VADODRA				
xxi	Side Wall panel		M/S-CMT MECHANISED SYSTEM VADODRA				
xxii	AC Trough		M/S-BHARAT FIBER LKO				
xxiii	Body Side Doors		M/S-CMT MECHANISED SYSTEM VADODRA				
xxiv	Compartment Door (PPE)		M/S-HANSPAL COACH PRODUCT KXH				
xxv	Compartment Door (NPPE)		M/S-HANSPAL COACH PRODUCT KXH				
xxvi	Vestibule Door(PPE)		M/s-JBM FARIDABAD				
xxvii	Vestibule Door(NPPE)		M/s-JBM FARIDABAD				
xxviii	RMPU		M/S-AMIT ENGG SOLAN H.P				
xxix	Bio Tank		M/S-OMAX AUTO(02)+JSL LIFE(02)				
xxx	Pressurized flushing (ele. Pneu.)		M/S-SPAC				
xxxi	Auxiliary Water Tank		M/S-SHIVALIK FAST MOHALI				
xxxii	Under Slung Water Tank (2X685L)		M/S-OASIS				
xxxiii	Under Slung Water Tank (1x450 L)		M/S-AMIT ENGG MOHALI				
xxxiv	Health Faucet		M/S-H.F.G.W.VADODRA				
xxxv	Lotah Filler Tap		M/S-H.F.G.W.VADODRA				
xxxvi	Bib cock		M/S-JAQUAR ALWAR.				
xxxvii	Lavatory Modules		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxviii	Lavatory Doors		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxix	Fire Extinguisher		M/S-SHAAN INDUS	210/183			
xxxx	Seat & Berth		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxi	Snack Table		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxii	Light Luggage Rack		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxiii	Venturi grill		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxiv	Auto janitor		M/S-CMT MECHANISED SYSTEM VADODRA				
xxxxv	Automatic smoke & heat Detection with alarm System		NIL				
14.B	TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)-NIL						

Ruma
SSE/QC/MCF/RBL
वरिष्ठ निरीक्षक (गुणवत्ता विभाग)
ने 08/05/2021, 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 (AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22-13

RLY	-	C	R	Coach No.	2	1	1	6	0	8	/	C	-	DATE OF DISPATCH	0	2	0	4	2	0	2	1
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DISPATCH	Sr.DME/C&W/BB	Type	L	W	A	C	C	N	Shell No.	2	0	N	0	8	5	FUR .NO	L3T-1541
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	191247				191248			
Bogie Type	FIAT				FIAT			
Frame no.	W.I.L. -480				W.I.L. -495			
Bolster no.	MCF/RBL/LS5 - 973				MCF/RBL/LS5 - 934			
Axle No	19 R - 2435 RWF		19 S - 0912 RWF		19 R - 7404 RWF		19 R - 6690 RWF	
Wheel Dia	917.439	917.379	917.388	917.394	917.421	917.409	917.422	917.408
Wheel Disc No	TZ 06-19 51725-9QL7	TZ 06-19 57378-9QI2	TZ 06-19 55915-9QI2	TZ 04-19 40148-9QH8	TZ 06-19 51727-9QI7	TZ 06-19 52517-9PFO	TZ 06-19 59888-9QI8	TZ 06-19 59889-9RT8
R.B. Nos.	07-19 18541	07-19 17633	06-19 14746	07-19 17681	07-19 18580	07-19 18319	07-19 18124	07-19 18222
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.	TAYAL & CO. 08-19 2876	TAYAL & CO. 08-19 3257	TAYAL & CO. 08-19 2896	TAYAL & CO. 08-19 3198

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	338811,337716	338535,338821
2.	Primary outer Spring	CMFSK	05-13-7411-551-(358,433,510,371)	05-19-7411-551-(458,523,1354,366)
3.	Primary Inner Spring	CMFSK	05-19-7143-553-(1146,1329,1361,1578)	05-19-7143559-(1281,1387,1354,1230)
4.	Primary Damper	KONI	03-19-(6572,8171,0313,0388)	03-19-(03925,02585,08192,03906)
5.	Secondary Damper	KONI	04-19-(05433,06068)	04-19-(06970,04277)
6.	Lateral Damper	KONI	03-19 00986	03-19 00346
7.	Brake Cylinder	FAV	E19-(884),F19-(191,124,052)	F19-(066,244,192,883)
8.	Brake Caliper	FAV	F19-(831,829,854,856)-B	F19-(963,961,830,832)B
9.	Brake Disc	FAV	07-19-(6438,6434,6508,6506)	07-19-(6588,6590,6589), 07-13-6591
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA		
13.	Traction lever make	SARITA		
14.	Ball joint traction lever	SGA		
15.	Ball joint traction centre	GMT/AR		
16.	Leveling Valve	KNORR	16-19B(3857,3851)	06-19A (10082,10072)
17.	Check Valve	KNORR	03-19 16334	02-19 16583
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA+GMT		
20.	Fork make	EMSON		
21.	Control Arm Upper	SF/SF+RVE	(36,026,123,61)	280619-2,210619-2,72,220619-2
22.	Control Arm Lower	SF/SF+NIPHA	(19,27,280619-3)	(24,32,416,12)
23.	Phonic Wheel	KBI	K-07-19	K-07-19

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL	Dy.CQM/MCF/RBL
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आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareilly

सुधीर कुमार
Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareilly



Vibgyor Paints & Chemicals Pondicherry

Office : Sri Balaji Apartments, 87/47, Harrington Road,
Shenoy Nagar, Chennai - 600 030.

Web : www.vibgyorpaintspondicherry.com

WARRANTY CERTIFICATE

ISO : 9001 : 2015
ISO : 14001 : 2015
Certified Company

To,

DY.CME/FUR/PAINT
MODERN COACH FACTORY
RAEBARELI, LALGANJ- 229120

Date:- 22/03/2021

SUBJECT: -PERFORMANCE WARRANTY CERTIFICATE
REF: PO NO: 31061800101633 dated 01.10.2019

NAME OF WORK: SUPPLY AND APPLY OF PU BASED WET ON WET APPLICABLE EXTERIOR PAINTING SYSTEM FOR LHB COACHES AS PER SCOPE OF WORK AND MMDTS-18034 REV-02 WITH AMENDMENT NO MP/RBL/BB DT 28/05/2019 (EPOXY ELASTIFIED PAINT INSIDE THE COACH NOT TO BE CARRIED OUT PAINTING CYCLE TIME WILL BE 30 HRS AS MENTION IN MMDTS-18034 REV-02)

Dear Sir,

With reference to above, we do here by confirm the warranty for six years from the date of application of the delivered below mention coaches vide your above referred purchase order after application & date inspection at your end.

SL.NO	SHELL NO	FURNISHING NO	COACH NO	RAILWAY NO	DATE OF COMPLETION
78	LWACCN 20C085	L3T 1541	211608	CP	06/10/2020 19/03/2021

The warranty is applicable from date of despatch against the below mention defects as per RDSO Specification no. MMDTS 18034 REV-02

Gloss should be above 70 at 60 degree during the initial period and entire life of 6 years

Decolourization of paint film.
Cracking of paint film
Peeling of paint film
Blistering of the paint film



Thanking You
For Vibgyor paints & chemicals Pondicherry

Factory : S-51, Phase III, Sipcot Industrial Complex, Nellikuppam, Ranipet - 632 405.
Ph : +91-4172-241478, Fax : +91-4172-242478, E-mail : vpcpdyr@yahoo.in, ramuvibgyor@yahoo.in

We have Solutions for Ecofriendly Industrial Coatings



Modern Coach Factory Raebareli

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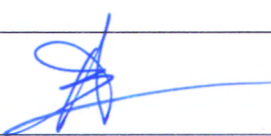
DATE: 29.06.2020

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 3T COACH.					
TYPE COACH		LWACCN		SHELL/COACH NO	
RAILWAY		CR		211608/C	
		ELECT. FIT DATE		01-04-2021	
				MCF FUR. NO.	
				3T-1541	
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			30.27 Cub mtr/min	OK
3.2	Return Air			72.46 Cub mtr/min	OK
3.3	Exhaust Air			5.81 Cub mtr/min	OK
3.4	Conditioned Air			177.48 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 : 20.5 °C NPP Side : 20.5 °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





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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

ELECTRICAL TEST CERTIFICATE FOR LHB EOG 3T 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 LIGHTS	OK
11.0	WORKING OF MOBILE CHARGING SOCKETS	OK
12.0	WORKING OF PUBLIC ADDRESSING SYSTEM (PAS)	OK
13.0	WORKING OF WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF 5 KVA TRANSFORMER	OK
16.0	WORKING OF REGULATED BATTERY CHARGER	OK
17.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
18.0	WORKING OF COMPOSITE PANTRY(ONLY FOR RAJDHANI COACH)	N/A
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 EOG 3T 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) : 5961 B Sr no of RMPU 2(PP side): 5970 B Sr no of Microprocessor. : AE 2102070	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : ISG Sr no : SBC-MCF-21-01-0262	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0) MEDTS-0004,Rev.-1 for Smart SBC	01 no.
03.	Pump equipment with PLC controller & pump box Make: KIND PA Sr.no: KIND/ASY/110 Sr no.1: 19060419 Sr no.2 : 19060420 Sr.no.CPA: 20/10/609-HIND	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 : INTEG	EDTS331, TYPE-1 CORR.-1&2	02 no.
05.	Provision of Passenger area LED Light(Cabin) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	09 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: RT VISION	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09 no.
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 -	07 no.
10.	Provision & Mounting of PACIL Assly. Make: ELECTROWAVES	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: 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: IMT	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: INTEG	As per RDSO/PE/Spec/AC/0180-2016(Rev-0),Type-2 or Latest.	04 no.
14.	Provision of razor socket for WC for 110/240V Make: N/A	. EDML047,ITEM-4	N/A

Senior Section Engineer
Quality control / Electrical
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ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
15.	PA system for LHB coaches Make: AHUJA	EDTS 173,Rev- B,Cor-1.	01 Set
16.	Provision of terminal strip complete	EDML 034,Rev-C,DRG NO.LW76054	01 Set
17.	Diffuser complete w/o item 1 & 2.	LW 76012,Alt-a	ok
18.	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 : SALZER	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	09 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 : SALZER	As per spec EDML-064,REV-B,Am-1 alt 'c' Item 16,Drg. No. LW74202	54 no.
20.	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 : SALZER	As per spec EDML-064,REV-B,Am-1 alt 'c' Item-5, Drg. No. LW74202	09 no.
21.	Provision & Mounting of reading light for upper berth Make : AGASTYA	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	27 no.
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: DHINGRA	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	18 no.
23.	Provision & Mounting of reading light for berth transverse (LHS) Make: DHINGRA	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096	18 no.
24.	Provision & Mounting of reading light for berth Longitudinal. Make: DEVINTEC	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76096	09 no.
25.	Provision of High Capacity Inter -Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make:- 1.(NPP): PRIME ELECT. 2.(PP): PRIME ELECT.	As per Spec. no. RDSO/PE/SPEC/AC/0177(R ev.-0)-2013 with annexure-A, B.	01 set
26.	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 : 11/19	EDTS 129,Rev nil	01 set

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





Modern Coach Factory Raebareilly

आधुनिक रेल डिब्बा कारखाना,
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DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

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ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
27.	Provision of Cable Jacket, Size 75, 50, 20 mtr.	As per spec no. EDTS 0138, Item 5,8,11	ok
28.	Provision of cable binder.	As per Drg. No. cc76129 ,Item 2,4.	ok
29.	Battery box for LHB coaches. Make: HITECH	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : RSI	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : RSI	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HITACHI Sr. no.: 18101670	As per spec no. RDSO/PE/SPEC/AC/0183-(REV.-0) . Or RDSO/PE/SPEC/AC/0183-2015(REV.-1)-For Under slung RBC cum EBC.	01 no.
33.	Emergency battery charger Make : BHASIN Sr.no.: 01207159	EDTS163,REV-C,COR-2&3	01 no
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 1661	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020097261	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-3824	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : INDORAIL	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr. no : 13093	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" or "JWL-DAKO-CZ"	01 set
40.	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
41.	PANTRY EQUIPMENTS(ONLY FOR RAJDHANI COACH). Hot Case, Bottle cooler cum deep freezer Make : N/A	As per spec no EDTS 139, Rev-E, Sec II.	N/A

 वरिष्ठ अनुमान प्रभियन्ता गुणवत्ता नियंत्रण आपरेटिंगका/ लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LJ/RBL	 आयुक्त / विद्युत आपरेटिंगका / रायबरेली A.W.M.(Elect)/MCF/RBL
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