



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 /795

RLY	CR	COACH NO	213243/C			DATE OF DISPATCH	11-Oct-21			
Type	LWACCN	Shell No.	21C033	DISPATCH TO	Sr.DME/C&W/LTT/BB		FUR.NO.	L3T-1877		
1	Railway Board's Order No.			:2020 (C)/142/2, Dt- 29.01.2021						
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		LWLRRM,LWCBAC,LFCWAC,LWSCZAC,LWFAC,LWFCZAC				
				4250		4039				
iv	CBC height/Buffer Height from Rail level			1105 +0/-10		NPP/PP		1104/1105		
6	TRACEABILITY OF SHELL ITEMS:									
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO				
i	Under frame	Front	PP END	M/S-SICO		394				
		Part	NPP END	M/S-SICO		394				
		Complete		M/S-SICO		394				
ii	Lav. side wall			M/S-MIDAS GUJRAT		LAV.1	-----	LAV.2	-----	
				M/S-MIDAS GUJRAT		LAV.3	-----	LAV.4	-----	
iii	Side wall	LH SIDE		M/S-ECBT		303				
		RH SIDE		M/S-ECBT		303				
iv	End wall	PP END		M/S-OMAX		-----				
		NPP END		M/S-SIPL		-----				
v	Roof			M/S-ECBT		87				
vi	Centre Buffer Coupler			M/S-FRONTIER		NPP/PP		58P1/15P1		
vii	Buffer			NA		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.		07 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				OK	
ii	Heat detection	A-controller should display smoke/heat in zone 1,2			B- strobe light & hooter should activate				OK	
9	PAINTING DETAILS:									
S.N	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR (SUPPLY & APPLY)			AVERAGE GLOSS VALUE SIDE WALL/END WALL		DATE OF COMPLETION	
i	Paint	P.U	M/S-VIBGYOR	M/S-VIBGYOR			75/97		25-Sep-21	
ii	Insulation-	Satisfactory		ANTIGRAFFITE COATING-		YES	WET ON WET-		YES	
10	COACH FURNISH DETAILS :									
S.N	ACTIVITIES			FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing			M/S-HFGW VADODARA		WORK CONTRACT				
ii	Air Brake			M/S-FLUID CONTROL		WORK CONTRACT				
iii	Bio toilet & flushing			M/S-VEDANSH ENT.		SUPPLY&APPLY				
iv	Fire detection			M/S-J.K EXIM PVT LTD		SUPPLY&APPLY				

12/01/22
SSE/QC/MCF/RBL

वरि०अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)

		Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली			DOC NO.: MCF/RBL/QMF 8002 REV NO: 02 DATE: 28.05.2021	
ROLLING STOCK CERTIFICATE(AC COACH)						
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-2022 /795						
RLY	CR	COACH NO	213243/C	DISPATCH TO	Sr.DME/C&W/LTT/BB	DATE OF DISPATCH
Type	LWACCN	Shell No.	21C033	FUR.NO.		11-Oct-21
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-KBI		7026 -07/2021		
ii	Distribution valve	M/S-KBI		14565-07/2021		
iii	Pull box	M/S-KBI				
iv	FIBA	M/S-KBI		22595/29,22594/29		
v	Foot Step	M/S-SHANKAR METAL WORKS KANPUR				
vi	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA				
vii	Floor board	M/S-SRI RAM PNL				
viii	PVC	M/S-RESPONSIVE MUMBAI				
ix	UIC Vestibule (PPE)	M/S-KRP PUNE				
x	UIC Vestibule (NPPE)	M/S-KRP PUNE				
xi	Gangway bridge mounting (PPE)	M/S-SHAWAT STEEL WORKS MUMBAI				
xii	Gangway bridge mounting (NPPE)	M/S-SHAWAT STEEL WORKS MUMBAI				
xiii	Body Side Window	M/S-SHATABDI SAFETY VADODARA				
xiv	Emergency Window	M/S-SHATABDI SAFETY VADODARA				
xv	Lavatory/hopper Window	M/S-SHATABDI SAFETY VADODARA				
xvi	Roof Ceiling	M/S-FIBRO				
xvii	Door way /gang way ceiling	M/S-P.D STEEL PANCHKULA				
xxviii	Supply Air Duct	M/S-P.D STEEL PANCHKULA				
xix	Partition panel	M/S-MILTON IND.AHMADABAD(HONEYCOMB)				
xx	Partition pillar	M/S-NEW NAGINA ENGG KXH				
xxi	Side Wall panel	M/S-CENTURY POLYMER				
xxii	AC Trough	M/S-BHARAT FIBRE LKO				
xxiii	Body Side Doors	M/S-HFGW VADODARA				
xxiv	Compartment Door (PPE)	M/S-POOJA SALES HARYANA				
xxv	Compartment Door (NPPE)	M/S-POOJA SALES HARYANA				
xxvi	Vestibule Door(PPE)	M/S-KALSI LDH				
xxvii	Vestibule Door(NPPE)	M/S-KALSI LDH				
xxviii	RMPU	M/S-SIDWALL LTD				
xxix	Bio Tank	M/S-RAIL FAB KXH				
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-VISHAL GAS SERVICES				
xxxiii	Under Slung Water Tank (1x450 L)	M/S-AMIT ENG. MOHALI				
xxxiv	Health Faucet	M/S-HFGW VADODARA				
xxxv	Lotah Filler Tap	M/S-HFGW VADODARA				
xxxvi	Bib cock	M/S-JAL,JUPITER AQUA LINES LTD MOHALI				
xxxvii	Lavatory Modules	M/S-CMT VADODARA				
xxxviii	Lavatory Doors	M/S-CMT VADODARA				
xxxix	Fire Extinguisher	M/S-SAFE PRO		2199/2102		
xxxx	Seat & Berth	M/S-ADVANCED SILICON PALWAL				
xxxxi	Snack Table	M/S-DLJM NOIDA				
xxxxii	Light Luggage Rack	M/S-SRI MAHAVEER ENTS.CHENNAI				
xxxxiii	Venturi grill	M/S-CMT VADODARA				
xxxxiv	Auto janitor	M/S-CMT VADODARA				
xxxxv	Automatic smoke & heat Detection with alarm system	M/S-J.K EXIM PVT LTD				
14.B TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)						
i	Vacuum toilet system	NA				
ii	Odour control system	NA				
iii	CCTV	NA				

12/01/22

SSE/QC/MCF/RBL

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गुणवत्ता विभाग

रे०डि०का०, रायबरेली (लालगंज)

MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

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DATE: 28.05.2021

ROLLING STOCK CERTIFICATE (AC COACH)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22/ - **795**

RLY	C	R	-	-	Coach No.	2	1	3	2	4	3	/	C	-	DATE OF DISPATCH	1	1	1	0	2	0	2	1
-----	---	---	---	---	-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	Sr.DME/C&W/LTT/BB	Type	L	W	A	C	C	N	Shell No.	2	1	C	0	3	3	FUR .NO	L3T-1877
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15. DETAIL OF BOGIES:


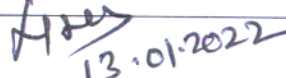

ITEMS	NPP Side				PP Side			
Bogie No	211720				211719			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL/LS-5-3466				AML-360			
Bolster no.	APEX-493				APEX-470			
Axle No	21F 2866- RWF		21G 5566 RWF		21 G 3149 RWF		21E- 6856 RWF	
Wheel Dia	917.43	917.45	917.39	917.47	917.56	917.53	917.46	917.43
Wheel Disc No	TZ-11-20-51337-OVI9	TZ-12-20-57477-OXK7	TZ-12-20-52577-OVG5	TZ-12-20-57471-OVN2	TZ-12-20-57662-OXK5	TZ-12-20-58006-OVM9	TZ-11-19-84000-9WE9	TZ- 06-19-51353-9PH
R.B. Nos.	3-21 402224	11-20 437255	03-21 401812	03-21 301525	11-20 438413	11-20 438478	03-21 402970	03-21 401776
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

16. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
	Secondary 1	Secondary 2	Secondary 1	Secondary 2
Make & Nos.	RESISTO FLEX Sr.No.- 21-05 2022	RESISTO FLEX Sr.No.- 21-06 2051	RESISTO FLEX Sr.No.- 21-06 2140	RESISTO FLEX Sr.No.- 21-05 2102

17. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	ESCORT	8845,8617	8620,8834
2.	Primary outer Spring	CMFSK	05-21-F05-035(61,035) 01-20-F05-157(277,286)	05-21-F05-035(587,689) 01-20-F05-157(415,657)
3.	Primary Inner Spring	CMFSK	03-21-F04-102(262,317,247,265)	03-21-F04-100(7,10,24,11)
4.	Primary Damper	GABRIEL	05-21-(299,312,306,309)	05-21-(287,288,290,286)
5.	Secondary Damper	GABRIEL	07-21-(693,695)	06-21-(872,729)
6.	Lateral Damper	IAI	06-21-AB30122	06-21-AB 30150
7.	Brake Cylinder	KBI	D(5977,4439,4472,5894)-K-29	D(3998,4629,4680,4640)-K-29
8.	Brake Caliper	KBI	2921290364,2921290577,2921290551,2921290276	2921270277,2921270553,2921270736,2921270330
9.	Brake Disc	KBI	24265860-(0045,0046,0044)-32-21,24265858-0041-32-21	24262329-0045-30-21,24262327-0022-29-21,24262328-0010-30-21,24262326-0077-30-21
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	PPI		
15.	Ball joint traction centre	BASANT		
16.	Leveling Valve	ESCORT	08-21-(9178,8704)	07-21-(9700,7301)
17.	Check Valve	ESCORT	08-21-6726	07-21-6834
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SF+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	KUMAR	D(1830,1802,1827,1834)	D(1920,0151,0126,1902)
22.	Control Arm Lower	KUMAR	D(0139,184),N(1186,1069)	D(0123,0193),N(1803,0181)
23.	Phonic Wheel	KBI	K-06-21	K-06-21

Signature of SSE/Bogie/QC		 13.01.2022	
	SSE/AME/QC/MCF/RBL ASST MECHANICAL ENGINEER आरोपडी का रायबरेली MCF RBL		Dy.CQM/MCF/RBL Dy. Chief Quality Manager आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli





Vibgyor Paints & Chemicals Pondicherry

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

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

WARRANTY CERTIFICATE

To,

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

Date:- 28/09/2021

SUBJECT: -PERFORMANCE WARRANTY CERTIFICATE
REF: PO NO: 06201016101293 DATED-10.09.2020

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 hereby 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
99	LWACCN 21C033	L3T 1877	213243/C	CR	03/09/2021 25/09/2021

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

Note- It is certified that Gloss value
Before Antigrffiti gloss value- 97.05
2 After Antigrffiti gloss value- 75.46

1

Amis

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

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Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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REV NO: 01


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		213243/C	
		ELECT. FIT DATE		06-10-2021	
				MCF FUR. NO.	
				3T-1877	
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		29.16 Cub mtr/min		OK
3.2	Return Air		56.20 Cub mtr/min		OK
3.3	Exhaust Air		7.15 Cub mtr/min		OK
3.4	Conditioned Air		162.79 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 PRE COOLING NOT DONE SINCE SMART RMPU.				----
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 : SIDWAL(SMART RMPU) Sr no of RMPU 1(NPP side) : 19J 0062 Sr no of RMPU 2(PP side): 19J 0047 Sr no of Microprocessor. : 1908014	As per RDSO/PE/SPES/AC/0061-REV- 1-2005 02.01-2020(Rev-0) (SMART RMPU)	01 Set
02.	Switch board cabinet Make : NEC Sr no : 202109096	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 : HIND PA Sr.no: 21/05/941 Sr no.1: 21/05/1921 Sr no.2 : 21/05/1922 Sr.no.CPA: 21/04/857-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 : ARIHANT	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: DR AUTO	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: RT VISION	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: SSK	. EDML047,ITEM-4	04 no.

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 : SSK/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 : RT VISION	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: IMT/RT VISION	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: DEVINTEC/DR AUTO	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): OM NAMH SHIVAYA 2.(PP): OM NAMH SHIVAYA	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 : 02/21	EDTS 129,Rev nil	01 set

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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आधुनिक रेल डिब्बा कारखाना, रायबरेली

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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: METAFIL	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
30.	Battery fuse box +ve Make : NEC	LW 71001, Alt-H	01 no.
31.	Battery fuse box -ve Make : KKI POWER	LW 71002, Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: IC Sr. no.: 8/20/32	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 : N/A Sr.no.: N/A	EDTS163,REV-C,COR-2&3	N/A
34.	Provision of 5 KVA TFR Make : BHASIN Sr no : 01210441	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: RICHMOND SL.no.: 341679	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make : WAVES Sr no : W60KB 21370	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : RSI	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 : KNORR Sr. no : 0120366650	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

	
<p>SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता निबंधन आपरेडिंका० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./L.J./RBL</p>	<p>AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL स० कार्य प्रबंधक / विद्युत आपरेडिंका० / रायबरेली A.W.M./Electrical/MCF/RBL</p>