



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 702

RLY	CR	COACH NO	213029/C				DATE OF DISPATCH	22-Sep-21	
Type	LWACCN	Shell No.	21C187	DISPATCH TO	Sr.DME/C&W/LTT/BB		FUR.NO.	L3T-1840	
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	
iv	CBC height/Buffer Height from Rail level			1105 +0/-10		NPP/PP		1096/1098	
6	TRACEABILITY OF SHELL ITEMS:								
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO			
i	Under frame	Front	PP END	M/S-AMIT ENG		154			
		Part	NPP END	M/S-AMIT ENG		153			
		Complete		M/S-V4U TECHIE		21C187			
ii	Lav. side wall			M/S-COMPETENT JALANDHAR	LAV.1	-----	LAV.2	-----	
				M/S-COMPETENT JALANDHAR	LAV.3	-----	LAV.4	-----	
iii	Side wall	LH SIDE		M/S-ECBT CHANDIGARH		271			
		RH SIDE		M/S-ECBT CHANDIGARH		271			
iv	End wall	PP END		M/S-OMAX REWARI		-----			
		NPP END		M/S-OMAX REWARI		-----			
v	Roof			MCF/CONT.P.S		51			
vi	Centre Buffer Coupler			M/S-SANROK		NPP/PP	18946/18983		
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-GSI	M/S-GSI		74/97		15-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-SRI DHANLAKSMI ENGG		WORK CONTRACT				
ii	Air Brake		M/S-MD&SR		WORK CONTRACT				
iii	Bio toilet & flushing		M/S-VEDANSH ENT.		SUPPLY&APPLY				
iv	Fire detection		M/S-JK EXIM		SUPPLY&APPLY				

SSE/QC/MCF/RBL

वरि०अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (बालगंज)



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Type	LWACCN	Shell No.	21C187	DISPATCH TO	Sr.DME/C&W/LTT/BB
				FUR.NO.	13T-1840

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	REFERENCE &
			Frequency	PERIOD OF TRIAL

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	6892-07-2021
ii	Distribution valve	M/S-KBI	2021F14351
iii	Pull box	M/S-KBI	
iv	FIBA	M/S-KBI	20070/29,20137/29
v	Foot Step	M/S-SHANKAR METAL WORKS KANPUR	
vi	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA	
vii	Floor board	M/S-SHRI RAM PANEL PVT LTD.	
viii	PVC	M/S-RESPONSIVE MUMBAI	
ix	UIC Vestibule (PPE)	M/S-SUNCREST KOLKATA	
x	UIC Vestibule (NPPE)	M/S-SUNCREST KOLKATA	
xi	Gangway bridge mounting (PPE)	M/S-SHASWAT STEEL WORKS MUMBAI	
xii	Gangway bridge mounting (NPPE)	M/S-SHASWAT STEEL WORKS MUMBAI	
xiii	Body Side Window	M/S-BIRCON ENGG. INDUS GZB	
xiv	Emergency Window	M/S-BIRCON ENGG. INDUS GZB	
xv	Lavatory/hopper Window	M/S-AIKON ENT. SOLAN	
xvi	Roof Ceiling	M/S-CMT VADODARA	
xvii	Door way /gang way ceiling	M/S-GANDHI SAFE & ALLIED JUC	
xviii	Supply Air Duct	M/S-AMIRCHAND ENGG. JALANDHAR	
xix	Partition panel	M/S-MILTON IND.AHMADABAD(HONEYCOMB)	
xx	Partition pillar	M/S-RAIL TECH KXH	
xxi	Side Wall panel	M/S-FIBRO PLASTIC KOLKATA	
xxii	AC Trough	M/S-H.F.GLASS VADODARA	
xxiii	Body Side Doors	M/S-SVARN (1,2,3)+JVR LDH(4)	
xxiv	Compartment Door (PPE)	M/S-POOJA SALES HARYANA	
xxv	Compartment Door (NPPE)	M/S-POOJA SALES HARYANA	
xxvi	Vestibule Door(PPE)	M/S-JBM INDUS FARIDABAD	
xxvii	Vestibule Door(NPPE)	M/S-JBM INDUS FARIDABAD	
xxviii	RMPU	M/S-AMIT ENG SOLAN (H.P)	
xxix	Bio Tank	M/S-OMAX AUTO LTD	
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-SHIVALIK FAST MOHALI	
xxxiv	Health Faucet	M/S-H.F.GLASS VADODARA	
xxxv	Lotah Filler Tap	M/S-H.F.GLASS VADODARA	
xxxvi	Bib cock	M/S-JAL,JUPITER AQUA LINES LTD MOHALI	
xxxvii	Lavatory Modules	M/S-H.F.GLASS VADODARA	
xxxviii	Lavatory Doors	M/S-H.F.GLASS VADODARA	
xxxix	Fire Extinguisher	M/S-SHANN INDUS FIRE	315/276
xxxx	Seat & Berth	M/S-ANANYA RCC LJ	
xxxxi	Snack Table	M/S-DLJM NOIDA	
xxxxii	Light Luggage Rack	M/S-SRI MAHAVEER ENTS.CHENNAI	
xxxxiii	Venturi grill	M/S-H.F.GLASS VADODARA	
xxxxiv	Auto janitor	M/S-H.F.GLASS VADODARA	
xxxxv	Automatic smoke & heat Detection with alarm System	M/S-JK EXIM	

14.B TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)

i	Vacuum toilet system	NA
ii	Odour control system	NA
iii	CCTV	NA

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रे०डि०का०, रायबरेली (लालगंज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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RLY	-	C	R	-	Coach No.	2	1	3	0	2	9	/	C	-	DATE OF DISPATCH	2	2	0	9	2	0	2	1
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DISPATCH	Sr.DME/C&W/LTT/BB	Type	L	W	A	C	C	N	Shell No.	2	1	C	1	8	7	FUR .NO	L3T-1840
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15. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	210061				210062			
Bogie Type	FIAT				FIAT			
Frame no.	VS-435				VS-437			
Bolster no.	SHIVALIK-593				SHIVALIK-534			
Axle No	21E-4819 RWF		21E-4990 RWF		21E-6938 RWF		21E 0666 RWF	
Wheel Dia	917.49	917.49	917.47	917.48	917.34	917.44	917.35	917.46
Wheel Disc No	TZ-09-20-31848-OTD6	TZ-09-20-31330-OTD0	TZ-09-20-31830-OSE1	TZ-09-20-30675-OTC4	TZ-09-20-34079-OTC2	TZ-09-20-34083-OTC2	TZ-09-20-30189-OTC4	TZ-09-20-25124-OSD2
R.B. Nos.	03-21-600355	03-21-402263	03-21-300659	03-21-401858	03-21-403123	03-21-402341	3-21-403156	03-21-402341
CTR B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

16. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
Make & Nos.	Secondary 1	Secondary 2	Secondary 1	Secondary 2
	RESISTO FLEX Sr.No.- 21-05 2091	RESISTO FLEX Sr.No.- 21-05 2012	RESISTO FLEX Sr.No.- 21-05 1950	RESISTO FLEX Sr.No.- 21-05 2119

17. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	AB (28725,28314)	AB(28697,28586)
2.	Primary outer Spring	CMAFJ	12-20-7144(117,145,139,141)	12-20-7142(113,144,142,119)
3.	Primary Inner Spring	CMSTL	12-20-7143(138,111,98,134)	12-20-7143(84,99,152,139)
4.	Primary Damper	GABRIEL	05-21(377,405,406,408)	05-21(378,376,2014,2024)
5.	Secondary Damper	IAI	01-20-(297530,297505)	04-21-AB(18862,18808)
6.	Lateral Damper	GABRIEL	05-20-01942	05-20-01963
7.	Brake Cylinder	KBI	D(5564,3955,3960,5595)-K-29	A(4701,4213,4214,4707)-K-29
8.	Brake Caliper	KBI	2921270003,2921270095,2921770096,2921270002	2921223483,2921223421,2921223420,2921223484
9.	Brake Disc	KBI	24262327-(0018,0039,0040,0017)-30-21	24262325-(0029,0070)-29-21,24262324-(0042,0041)-29-21
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	BASANT		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	BASANT		
15.	Ball joint traction centre	BASANT/GMT		
16.	Leveling Valve	KNORR	17-21D-2986,17-21D 3474	17-21-D3588,15-21-D3365
17.	Check Valve	KNORR	03-21-29502	03-21-29633
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	RF-BASANT		
20.	Fork make	RNG		
21.	Control Arm Upper	SF/KUMAR	D-0117,N-0148,D0106,D0104	N(0110,0118,0112,0119)
22.	Control Arm Lower	SF/KUMAR	D(0174,0187,0724,0129)	D(8718,0188,8229,0158)
23.	Phonic Wheel	KBI	K-07-21-640209	K-07-21-640209

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL	Dy. CQM/MCF/RBL

उप मुख्य गुणवत्ता प्रबंधक
Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli



MCF/RBL



G. S. INDUSTRIES

APPROVED BY

N.S.I.C.
R.D.S.O.

ISO 9001-2015
ISO 14001-2015

D-146, FOCAL POINT EXTENSION, JALANDHAR-144004

PHONE : (O) 0181-5081474
(M) 99882-65025, 99884-55459
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WARRANTY CERTIFICATE

Date: 16/09/2021

To:
BY GME/FP&PAINT
MODERN COACH FACTORY,
RAEBARELI, LALGANJ-229120

Subj: PERFORMANCE WARRANTY CERTIFICATE

PO NO. 06201016101340 DATED 22-SEP-20

NAME OF WORK: - PU BASED WET ON WET PAINT FOR EXTERIOR PAINTING OF COACHES IN SUPPLY AND APPLY SHALL BE AS PER SPECIFICATION MMDTS-18034 REV-2. APP SHALL BE AS PER MDTs 48279 REV-1, ANTI GRAFFITI WILL COMPLY REQUIREMENTS OF RDSO SPEC-M&C/PCN/127/2009.

DEAR SIR,

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

SR.	SHELL NO.	FURNISHING NO.	COACH NO.	Railway NO.	DATE OF COMPLETION
3A	JWACCN 21C187	23T-1840	213029	CR	07/08/21 15/9/21

The warranty is applicable from date of dispatch against the below mention defects as per MCF specification no. MMDTS 18034 REV-2.

- Gloss level value of applied paint-initial 95 unit(on the date of painting) and minimum 90%,85%,75% & 70% of initial gloss after 6 months, one years, four years and six years respectively from the date of application.
- Decolorization of paint film.
- Cracking of paint film.
- Peeling of paint film.
- Blistering of the paint film.
- The coach is warranted 6years for gloss retention, premature failure in colour retention (colour fading) or thatches/peel-off and blistering etc..

NOTE: it is certified that gloss value:

1. Before antigraffiti gloss value: 97.71
2. After antigraffiti gloss value: 73.94

For G. S. INDUSTRIES

Auto. Signature

Thanking you.



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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		213029/C	
		ELECT. FIT DATE		18-09-2021	
				MCF FUR. NO.	
				3T-1840	
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		30.20 Cub mtr/min		OK
3.2	Return Air		75.90 Cub mtr/min		OK
3.3	Exhaust Air		5.69 Cub mtr/min		OK
3.4	Conditioned Air		171.42 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 : 20.4°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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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

CHS
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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) : 6186D Sr no of RMPU 2(PP side): 6208D Sr no of Microprocessor. : AE 2108077	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : NEC Sr no : 2020119071	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: 21/05/985 Sr no.1: 21/05/2009 Sr no.2 : 21/05/2010 Sr.no.CPA: 21/04/947-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: ENSAVE	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: AKG	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.


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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	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: 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: RT VISION	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 : 03/21	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

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: 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 : NEC	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HIND Sr. no.: 12/20/0040-663	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 : WAVES Sr no : WLDT5D 211160	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: RICHMOND SL.no.: 341639	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC ® 3089 LHB-5295	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 : CHANDA & CHANDA	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 0120376880	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: JAI BALAJI	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

SSE/EL/QC	AWM(ELECT.)/MCF/RBL

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

आरेडिब्बा कारखाना
A.W.M./Electrical/MCF/RBL