

		<b>Modern Coach Factory Raebareli</b> <b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b>			DOC NO.: MCF/RBL/QMF 8002 REV NO: 01 DATE: 17.04.2018	
ROLLING STOCK CERTIFICATE Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/782						
RLY	ER	COACH NO	205549/C	DATE OF DISPATCH		5-Dec-20
Type	LWACCN	Shell No.	20C142	DISPATCH TO	CWM/LLH/ASN	FUR.NO. L3T-1592
1. Railway Board's Order No. : 2020/M(C)142/2, DATE-21.08.2020 2. Tare Weight of Coach : 45.6 Tonnes 3. Carrying Capacity : (a) Seating: 72 (b) Sleeping: 72 (c) Luggage: NIL 4. Special feature: A- 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 B-Venturi arrangement in lavatory -M/S-HFGW VADODARA 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				4250	
4	CBC height/Buffer height from Rail level 1105 +0/-10				NPP/PP	1097/1105
6. TRACEABILITY OF SHELL ITEMS:						
S NO	ITEM	MAKE/SUPPLIER	SERIAL NO			
1	Under frame	Front PP END	M/S-OMAX AUTOS	-----		
		Part NPP END	M/S-OMAX AUTOS	309		
		Complete	MCFRBL-V4U-TECHIE	20C142		
2	Lav. side wall	M/S-RAIL TECH KXH	LAV.1	-----	LAV.2	-----
		M/S-RAIL TECH KXH	LAV.3	-----	LAV.4	-----
3	Side wall	LH SIDE	M/S-ECBT	138		
		RH SIDE	M/S-ECBT	138		
4	End wall	PP END	M/S-SIPL	-----		
		NPP END	M/S-SIPL	-----		
5	Roof	M/S-ECBT	227			
6	Centre Buffer Coupler	M/S-ESCORT	NPP/PP	5769/5770		
7. AIR BRAKE 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 <sup>2</sup> .	6 – 10 sec.	08 sec.		
		Max. pressure in BC	3.0 ±0.15 kg/cm <sup>2</sup> .	3.0 kg/cm <sup>2</sup>		
		All Brake are applied	OK	OK		
2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min.	No brake application	OK		
3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /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	GSI	M/S-GSI WOW (S&A)	98/95	22-Oct-20
2	Insulation	Satisfactory				

  
 27/01/2021  
 SSE/QC/MCF/RBL

वरि०अनु० अभियंता  
 गुणवत्ता विभाग  
 री०डि०का०, रायबरेली (सालगंज)





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/2020-21/ 782

RLY	E	R	-	Coach No.	2	0	5	5	4	9	/	C	-	DATE OF DISPATCH	0	5	1	2	2	0	2	0
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DISPATCH	CWM/LLH/ASN	Type	L	W	A	C	C	N	Shell No.	2	0	C	1	4	2	FUR .NO	L3T-1592
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#### 9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	201666				201665			
Bogie Type	FIAT				FIAT			
Frame no.	VS - 2143				VS - 2156			
Bolster no.	AMIT - 99				AMIT - 102			
Axle No	20 Z - 4424	RWF	20 Z - 4002	RWF	20 Z - 9747	RWF	20 Z - 4001	RWF
Wheel Dia	917.61	917.446	917.561	917.418	917.625	917.422	917.463	917.38
Wheel Disc No	TZ 12-18 13710-8WQ9	TZ 05-19 41788-9PH3	TZ 12-18 13179-8WN3	TZ 05-19 43453-9PI8	TZ 07-19 61538-9RP9	TZ 05-19 41791-9PH3	TZ 07-19 61537-9RP9	TZ 07-17 25203-7RG8
R.B. Nos.	01-20 404917	01-20 404281	01-20 403422	01-20 405411	01-20 406253	02-20 502135	02-20 500552	01-20 403325
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	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & Nos.	CMGBD 11-19 F16-978-114	CMAFJ 01-20 9513-241	CMGBD 12-19 F16-978-108	CMAFJ 01-20 9513-236	CMGBD 12-19 F16-981-109	CMAFJ 01-20 9513-242	CMGBD 12-19 F16-981-105	CMAFJ 01-20 9513-208
Compressed Ht. at Tested Load	515	468	515	466	514	467	513	468
Alignment deviation (mm)	17	11	19	10	15	10	15	10

#### 11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	21919,21838	21841,21828
2.	Primary outer Spring	CMAFJ	07-20 7411-(324,460,337,444)	07-20 7411-(334,438,333,331)
3.	Primary Inner Spring	CMAFJ	07-20 7143-(208,195,180,165)	07-20 7143-(161,184,213,192)
4.	Primary Damper	GABRIEL	03-20 (1858,1863,1867,1861)	01-20 (1872,1856,1855,1868)
5.	Secondary Damper	GABRIEL	12-19 (3835,3840)	12-19 (3836,3837)
6.	Lateral Damper	KONI	03-19 01813	03-19 01870
7.	Brake Cylinder	KBI	D(0867,0866)-K-29,C(9524,9525)-K-29	D(0910,0874)-K-29,C(9511,9517)-K-29
8.	Brake Caliper	KBI	C(6286,6531,6529,6285)-29	C(6289,6511,6528,6287)-29
9.	Brake Disc	FAV	07-20 D133561-300(1506,1505,820,1174)	07-20 D133561-300(884,883,1503,1504)
10.	Ball Joint Control Arm	GMT/BASANT		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	SF/RNG		
13.	Traction lever make	JI		
14.	Ball joint traction lever	BONY		
15.	Ball joint traction centre	AR/GMT		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	BONY		
18.	Anti roll bar Make	RF		
19.	Roll Link make	JUR+BASANT		
20.	Fork make	RF		
21.	Control Arm Upper	SFL/KUMAR	KUMAR- N2681, SFL- 93,128,17134	N9485,D3169,N0586,N0591
22.	Control Arm Lower	SF/KUMAR	KUMAR -D2768, SF-78,108,A-218	D6528,N3252,D6625,D2672
23.	Phonic Wheel	KBI	K-07-20	K-06-20

Signature of SSE/Bogie/QC







Modern Coach Factory Raebareli  
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DOC NO.: MCF/RBL/QMF 8002  
REV NO: 01  
DATE: 17.04.2018

ROLLING STOCK CERTIFICATE  
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/782

RLY	ER	COACH NO	205549/C	DATE OF DISPATCH	5-Dec-20
Type	LWACCN	Shell No.	20C142	DISPATCH TO	CWM/LLH/ASN
				FUR.NO.	L3T-1592

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	6000 31/20
2	Distribution valve	M/S-KBI	2020G12125
3	Pull box	M/S-KBI	
4	FIBA	NIL	
5	Foot Step	M/S-FABRICON KOLKATA	
6	Decoupling arrangement	M/S-K.SIDHU JUC	
7	Floor board	M/S-TWPL MUMBAI	
8	PVC	M/S-RESPONSIVE INDS	
9	UIC Vestibule (PPE)	M/S-SUNCREAST KOLKATA	
10	UIC Vestibule (NPPE)	M/S-SUNCREAST KOLKATA	
11	Gangway bridge mounting (PPE)	M/S-HARE KRISHNA	
12	Gangway bridge mounting (NPPE)	M/S-HARE KRISHNA	
13	Body Side Window	M/s-AXSYS SOLUTION	
14	Emergency Window	M/s-AXSYS SOLUTION	
15	Lavatory/hopper Window	M/s-BIRCON GZB	
16	Roof Ceiling	M/S-MSL MOHALI	
17	Door way /gang way ceiling	M/S-GANDHI SAFE & ALLIED	
18	Supply Air Duct	M/S-HANSPAL KXH	
19	Side Wall panel	M/S-HFGW VADODARA	
20	Partition panel	M/S-UNIVERSAL NOIDA	
21	Partition pillar	M/S-NAGINA KXH	
22	AC Trough	M/S-JBMR LTD NOIDA	
23	Body Side Doors 2	M/s-JVR LDH	
	Body Side Doors 1	M/s-SUKATA CDG	
	Body Side Doors 3,4	M/s-JBM FARIDABAD	
24	Compartment Door (PPE)	M/s-POOJA SALES	
25	Compartment Door (NPPE)	M/s-POOJA SALES	
26	Vestibule Door(PPE)	M/s-JBM FARIDABAD	
27	Vestibule Door(NPPE)	M/s-JBM FARIDABAD	
28	RMPU	M/S-INTEC DEHRADHUN	
29	Bio Tank	M/S-RAIL FAB -02 NOS +UNIFAB-02 NO	
30	Pressurized flushing (ele. Pneu.)	M/S-OASIS	
31	Auxiliary Water Tank	M/S-AMIT ENGG MOHALI	
32	Under Slung Water Tank ( 2X685L)	M/S-SHIVALIK FAST MOHALI	
33	Under Slung Water Tank (1x450 L)	M/S-AMIT ENGG BADDI	
34	Health Faucet	M/S-HFGW VADODARA	
35	Lotah Filler Tap	M/S-HFGW VADODARA	
36	Bib cock	M/S-JAQUAR ALWAR	
37	Lavatory Modules	M/S-HFGW VADODARA	
38	Lavatory Doors	M/S-HFGW VADODARA	
39	Fire Extinguisher	M/S-DEVIKA	6753/6716
40	Automatic smoke & heat Detection with alarm System	M/S-SANROK	
41	Seat & Berth	M/S-OVPL MUMBAI	
42	Light Luggage Rack	M/S-LUCKY GURGAON	
43	Snack Table	M/S-INTERNATIONAL TRACTOR JUC	
44	Venturi grill	M/S-HFGW VADODARA	
45	RFID	NIL	

*Rema*  
27/01/2021  
SSE/QC/MCF/RBL

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रेलडि०का०, रायबरेली (सालमंज)



		<b>Modern Coach Factory Raebareilly</b> <b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b>		DOC NO.: MCF/RBL/QMF 8002 REV NO: 01 DATE: 17.04.2018		
ROLLING STOCK CERTIFICATE Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/782						
RLY	ER	COACH NO	205549/C	DATE OF DISPATCH		5-Dec-20
Type	LWACCN	Shell No.	20C142	DISPATCH TO	CWM/LLH/ASN	FUR.NO. L3T-1592
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 &	
				Frequency	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 30months from the date of supply of material whichever is earlier.		
NOTE: 1. This warranty covers free supply of parts which wear out and fails within warranty period of normal service. 2. This doesn't covers faults arising out of accident, non standard maintenance practices abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc. 3. 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. 4. Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL. 5. For any complain/ suggestion please Mail at qualityrcfbl@gmail.com 6. Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from 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.						
 27/01/2021 SSE/QC/MCF/RBL		 28.01.2021 SME/AME/QC/MCF/RBL		 28/01/2021 Dy.COM/MCF/RBL		

चरि ००अनु० अभियंता  
गुणवत्ता विभाग  
रे०डि०का०, रायबरेली (लालगंज)

किरणपाल  
सहायक यांत्रिक इंजीनियर  
Asst. Mechanical Engineer  
आ. रे. डि. का रायबरेली  
MCF, RBL

Modern Coach Factory, Raebareilly



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL QEF/8001

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		205549/C	
RAILWAY		ER		ELECT. FIT DATE		04-12-2020	
				MCF FUR. NO.		3T-1592	
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			28.09 Cub mtr/min			OK
3.2	Return Air			71.39 Cub mtr/min			OK
3.3	Exhaust Air			5.26 Cub mtr/min			OK
3.4	Conditioned Air			169.01 Cub 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  <b>Not done due to Ambient temp. below 22°C</b>						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.						----

Senior Section Engineer  
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DOC NO.: MCF/RBL QEF 8001

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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 : <b>INTEC</b> Sr no of RMPU 1(NPP side) : <b>20J 1989</b> Sr no of RMPU 2(PP side): <b>20K 2046</b> Sr no of Microprocessor. : <b>20093869-SIDWAL</b>	As per RDSO/PE/SPES/AC/0061/REV-1/2005	<b>01 Set</b>
02.	Switch board cabinet Make : <b>ISG</b> Sr no : <b>SBC-MCF-19-12-0113</b>	As per spec no. RDSO/PE/SPEC/AC/0184-2015(REV.0) <b>MEDTS-0004,Rev.-1 for Smart SBC</b>	<b>01 no.</b>
03.	Pump equipment with PLC controller & pump box Make: <b>HIND</b> PA Sr.no: <b>20/10/532</b> Sr no.1: <b>20/10/1103</b> Sr no.2 : <b>20/10/1104</b> Sr.no.CPA: <b>20/10/556-HIND</b>	As per spec EDTS 186,Rev-a, Am-2.  As per Spec. EDTS186, & drg no. CC71328 & LW70020 for P/CNTR.	<b>01 Set</b>
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cu.mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : <b>INTEG</b>	EDTS331, TYPE-1 CORR.-1&2	<b>02 no.</b>
05.	Provision of Passenger area LED Light(Cabin) Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	<b>09 no.</b>
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: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	<b>09 no.</b>
08.	Mounting of Cabin/Corridor Light with Night light.	As per drg no. LW 76091.	OK
09.	Provision & mounting of Doorway/Gangway light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	<b>07 no.</b>
10.	Provision & Mounting of PACIL Assly. Make: <b>AGASTYA</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	<b>02 no.</b>
11.	Provision & Mounting of WC light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097.	<b>02 no.</b>
12.	Provision & Mounting of Lavatory Light. Make: <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092.	<b>04 no.</b>
13.	Provision of Emergency Lighting system Make: <b>INTEG</b>	As per RDSO/PE/Spec/AC/0180-2016(Rev-0),Type-2 or Latest.	<b>04 no.</b>
14.	Provision of razor socket for WC for 110/240V Make: <b>SSK</b>	EDML047,ITEM-4	<b>04 no.</b>

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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: <b>AHUJA</b>	EDTS 173,Rev- B,Cor-1.	<b>01 Set</b>
16.	Provision of terminal strip complete	EDML 034,Rev-C,DRG NO.LW76054	<b>01 Set</b>
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 : <b>SSK</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item-4 ,Drg. No. LW74202	<b>09 no.</b>
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 : <b>SSK</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item 16,Drg. No. LW74202	<b>54 no.</b>
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 : <b>SSK</b>	As per spec EDML-064,REV- B,Am-1 alt 'c' Item-5, Drg. No. LW74202	<b>09 no.</b>
21.	Provision & Mounting of reading light for upper berth Make : <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2 & Drg no LW 76094	<b>27 no.</b>
22.	Provision & Mounting of reading light for transverse berth (RHS) Make: <b>DR AUTO/RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3 & Drg no. LW 76095	<b>18 no.</b>
23.	Provision & Mounting of reading light for berth transverse ( LHS) Make: <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4 & Drg no. LW 76096	<b>18 no.</b>
24.	Provision & Mounting of reading light for berth Longitudinal. Make: <b>ENSAVE</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1 & Drg no LW 76096	<b>09 no.</b>
25.	Provision of High Capacity Inter-Vehicular Coupler Unit (ZS Coupling) (500 A,750 V,3 ph,50 Hz). Make:- 1.(NPP): <b>S.INTERNATIONALS</b> 2.(PP): <b>S.INTERNATIONALS</b>	As per Spec. no. RDSO/PE/SPEC/AC/0177(R ev.-0)-2013 with annexure-A, B.	<b>01 set</b>
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 : <b>AMARA RAJA</b> Lug date : <b>06/19</b>	EDTS 129,Rev nil	<b>01 set</b>

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: <b>HITECH</b>	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
30.	Battery fuse box +ve Make: <b>INDORAIL</b>	LW 71001, Alt-H	01 no.
31.	Battery fuse box -ve Make: <b>RICHMOND</b>	LW 71002, Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: <b>HITACHI</b> Sr. no.: <b>19011973</b>	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: <b>BHASIN</b> Sr.no.: <b>01207149</b>	EDTS163, REV-C, COR-2&3	01 no
34.	Provision of 5 KVA TFR Make: <b>VIMAL</b> Sr no: <b>VTC-3089-LHB-1245</b>	As Per EDTS-366, REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: <b>NEC</b> SL.no.: <b>2020076231</b>	As per EDML-130 Rev-1, Corr-1	01 no.
36.	60KVA transformer Make: <b>WAVES</b> Sr no: <b>W60KG20187</b>	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make: <b>INDORAIL</b>	EDTS-328 REV-C	01 set
38.	Wheel set earthing equipment. Make: <b>PRIME ELECT.</b>	EDTS101, REV-C, AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make: <b>KNORR</b> Sr. no: <b>0120134787</b>	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: <b>MV</b>	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  
आ०रे०डि०का० / लालगंज / रायबरेली  
S.S.E./Elect-QC/M.C.F./LLJ/RBL

स० कार्य प्रबन्धक / विद्युत  
आ०रे०डि०का० / रायबरेली  
A.W.M./Electrical/MCF/RBL

