



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/2020-21/1270

RLY	CR	COACH NO	211309/C	DATE OF DISPATCH	15-Mar-21
Type	LWACCN	Shell No.	20C284	DISPATCH TO	Sr.DME/C&W/LTT
				FUR.NO.	L3T-1710

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

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-CMT MECHANISED 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 1105/1105

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front PP END	M/S-SANTECH
		Part NPP END	M/S-AMIT ENGG.
		Complete	MCF/RBL-V4U TECHIE 20C284
2	Lav. side wall	M/S-DTL PUNE	LAV.1
		M/S-DTL PUNE	LAV.2
3	Side wall	LH SIDE	MCF/RBL-V4U LKO 167
		RH SIDE	MCF/RBL-V4U LKO 167
4	End wall	PP END	M/S-RAIL TECH KXH
		NPP END	M/S-RAIL TECH KXH
5	Roof	M/S-PIL	116
6	Centre Buffer Coupler	M/S-SANROCK	NPP/PP 17126/17175

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 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
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	GSI	M/S-GSI (S&A)	88/87	9-Feb-21
2	Insulation			Satisfactory		

वरिष्ठ अनुष्ठ अभियंता
SSE/QC/MCF/RBL
मुम्बई, रायबरेली (लालगंज)
रेडिओ, 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

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/-1270

RLY	C	R	-	Coach No.	2	1	1	3	0	9	/	C	-	DATE OF DISPATCH	1	5	0	3	2	0	2	1
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DISPATCH	Sr.DME/C&W/LTT	Type	L	W	A	C	C	N	Shell No.	2	0	C	2	8	4	FUR.NO	L3T-1710
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9. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	202747				202748			
Bogie Type	FIAT				FIAT			
Frame no.	SIMPLEX- 255				SIMPLEX- 256			
Bolster no.	APEX-356				APEX-366			
Axle No	21 C - 3492 RWF		20 B - 8552 RWF		21 C - 3683 RWF		21 C - 4300 RWF	
Wheel Dia	917.371	917.548	917.304	917.508	917.374	917.543	917.546	917.491
Wheel Disc No	TZ 09-20 25995-0SD8	TZ 09-20 25997-0SD8	TZ 09-20 32343-0SE7	TZ 09-20 26211-0SD5	TZ 09-20 32342-0SE7	TZ 09-20 96212-0SD5	TZ 09-20 31772-0TF0	TZ 09-20 22109-0PL6
R.B. Nos.	06-20 410643	06-20 411433	06-20 411554	06-20 411431	06-20 411445	06-20 411375	06-20 412160	07-20 416624
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.	CMFSK02-20 F15-156-96	CMFSK05-10 9513-007-573	CMFSK02-20 F15-156-150	CMFSK05-10- 9513-007-545	CMFSK02-20 F15-156-71	CMFSK05-20 9513- 007-559-	CMFSK02-20 F15-156-57	CMFSK05-20 9513- 007-541
Compressed Ht. at Tested Load	510	467	512	468	514	468	513.5	463.5
Alignment deviation (mm)	8	8	8	5	7	13	7	12

11. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/ SUPPLIER	510SERIAL NO.	
			NPP SIDE20	PP SIDE
1.	Yaw Damper	IAI	301411,301382	301395,301387
2.	Primary outer Spring	CMFSK	02-20 F03-005-(1,106,3,7)	02-20 F03-005-(46,133,343,479)
3.	Primary Inner Spring	CMFSK	10-20 F04-030-(1084,623,205,256)	10-20 F04-030-(1333,601,229,696)
4.	Primary Damper	IAI	01-20 (301173,299540,300495,299264)	01-20 (300675,299959,301347,298369)
5.	Secondary Damper	KONI	04-19 (06748,06741)	04-19 (06625,06434)
6.	Lateral Damper	KONI	03-19 01046	03-19 00355
7.	Brake Cylinder	FAV	K20-360,B21-609,A21-164,A20-367	K20-291,A21-195,B21-025,K20-296
8.	Brake Caliper	FAV	B21(541,540,516,517)-B	B21(518,515,539,542)-B
9.	Brake Disc	AVADH	09-18(49201054,49201058,49201056,49201055)	09-18(49201049,49201094,43200842,48200909)
10.	Ball Joint Control Arm	BONY		
11.	Lateral Bump Stop	PRAG		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	ARYAN		
15.	Ball joint traction centre	PPI		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	BONY		
18.	Anti roll bar Make	RF		
19.	Roll Link make	RF+ PRAG		
20.	Fork make	RNG		
21.	Control Arm Upper	SF	H43,H11,H111,H14	H31,H18,H261,H117
22.	Control Arm Lower	SF	H215,H148,H109,H228	H65,H88,117,H98
23.	Phonic Wheel	ESCORTS	ESCORTS	ESCORTS

Signature of SSE/Bogie/QC



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				FUR.NO.	L3T-1710

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-FAIVELEY	B21030B
2	Distribution valve	M/S-FAIVELEY	B215534B
3	Pull box	M/S-FAIVELEY	
4	FIBA	NIL	
5	Foot Step	M/S-FABRICON KOLKATA	
6	Decoupling arrangement	M/S-PULSAR RUBBER KOLKATA	
7	Floor board	M/S-TWPL MUMBAI	
8	PVC	M/S-CMT MECHNAISED VADODARA	
9	UIC Vestibule (PPE)	M/S-ELASTOMER MUMBAI	
10	UIC Vestibule (NPPE)	M/S-SUNCREST KOLKATA	
11	Gangway bridge mounting (PPE)	M/S-MMW KXH	
12	Gangway bridge mounting (NPPE)	M/S-MMW KXH	
13	Body Side Window	M/S-CMT MECHNAISED VADODARA	
14	Emergency Window	M/S-CMT MECHNAISED VADODARA	
15	Lavatory/hopper Window	M/S-CMT MECHNAISED VADODARA	
16	Roof Ceiling	M/S-CMT MECHNAISED VADODARA	
17	Door way /gang way ceiling	M/S-J.R JUC	
18	Supply Air Duct	M/S-HANSPAL KXH	
19	Side Wall panel	M/S-CMT MECHNAISED VADODARA	
20	Partition panel	M/S-CMT MECHNAISED VADODARA	
21	Partition pillar	M/S-CMT MECHNAISED VADODARA	
22	AC Trough	M/S-MSL MOHALI	
23	Body Side Doors	M/S-CMT MECHNAISED VADODARA	
24	Compartment Door (PPE)	M/S-POOJA SALES	
25	Compartment Door (NPPE)	M/S-POOJA SALES	
26	Vestibule Door(PPE)	M/s-KALSI LDH	
27	Vestibule Door(NPPE)	M/s-KALSI LDH	
28	RMPU	M/S-INTEC DERADHUN	
29	Bio Tank	M/S-FLASH FORGE -02 NOS+JSL LIFE -02 NOS	
30	Pressurized flushing (ele. Pneu.)	M/S-OASIS	
31	Auxiliary Water Tank	M/S-SHIVALIK FAST MOHALI	
32	Under Slung Water Tank (2X685L)	M/S-AMIT ENGG BADDI	
33	Under Slung Water Tank (1x450 L)	M/S-OASIS	
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-CMT MECHNAISED VADODARA	
38	Lavatory Doors	M/S-CMT MECHNAISED VADODARA	
39	Fire Extinguisher	M/S-SAFEX FIRE	043391,043472
40	Automatic smoke & heat Detection with alarm System	NIL	
41	Seat & Berth	M/S-CMT MECHNAISED VADODARA	
42	Light Luggage Rack	M/S-CMT MECHNAISED VADODARA	
43	Snack Table	M/S-CMT MECHNAISED VADODARA	
44	Venturi grill	M/S-CMT MECHNAISED VADODARA	
45	RFID	NIL	

वरिष्ठ अनु 0 अभियंता
SSE/QC/MCF/RBL
गुजराती विभाग
रेडिओका, रायबरेली (लाजगाँव)



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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Type	LWACCN	Shell No.	20C284	DISPATCH TO	Sr.DME/C&W/LTT
				FUR.NO.	L3T-1710

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
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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 qualityrcfrbl@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.

वरिष्ठ अभियंता SSE/QC/MCF/RBL गुणवत्ता विभाग	SME/AME/QC/MCF/RBL आधुनिक रेल डिब्बा कारखाना, रायबरेली	Dy. Chief Quality Manager Dy. CQM/MCF/RBL आधुनिक रेल डिब्बा कारखाना, रायबरेली

70डि0क10, रायबरेली (लालगंज)

Assistant Mechanical Engineer / Quality
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

Modern Coach Factory, Raebareli



GSTIN : 03ACBPK3400D1ZM
Excise Regn. No. ACBPK3400DXM001

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

Website : www.gspaints.com

e-mail : info@gspaints.com

WARRANTY CERTIFICATE

To,
Dy.CME/FP
MODERN COACH FACTORY,
RAEBARELI, LALGANJ-229120

Dated - 12/02/21

Sub:- Performance warranty certificates.

Ref: - P.O.no 31061800101167 DATED 21.08.2019

Name Of Work: - Pu Paint For Lhb Type Rajdhani Coaches.

Dear Sir,

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

SR.	SHELL NO.	FURNISHING NO.	COACH NO.	Railway NO.	DATE OF COMPLETION
250.	LWACCN 20C284	L3T- 17 10	211309	CP	09/02/21

The warranty is applicable from date of dispatch against the below mention defects as per RDSO specification no. M&C/PCN/100/2018.

- Gloss level value of applied paint-initial 85 unit (on the date of painting) and minimum 80%, 70% and 60% of initial gloss after one year, two years and three years respectively from the date of application
- Decolonization of paint film.
- Cracking of paint film.
- Peeling of paint film.
- Blistering of the paint film.

Thanking you,
For G.S.Industries

Auth signatory



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.					
TYPE COACH		LWACCN		SHELL/COACH NO	
RAILWAY		CR		211309/C	
		ELECT. FIT DATE		12-03-2021	
				MCF FUR. NO.	
				3T-1710	
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		28.28 Cub mtr/min		OK
3.2	Return Air		75.56 Cub mtr/min		OK
3.3	Exhaust Air		5.26 Cub mtr/min		OK
3.4	Conditioned Air		167.58 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 : 20.2 °C NPP Side : 20.2 °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 : INTEC Sr no of RMPU 1(NPP side) : 20H 1966 Sr no of RMPU 2(PP side): 20H 1927 Sr no of Microprocessor. : 20073759-SIDWAL	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : NEC Sr no : 2020055319	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/0074 Sr no.1: 19060347 Sr no.2 : 19060348 Sr.no.CPA: 20/03/090-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: AGASTYA	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: RT VISION	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

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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: AGASTYA	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
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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: HITECH	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
30.	Battery fuse box +ve Make : INDORAIL	LW 71001,Alt-H	01 no.
31.	Battery fuse box -ve Make : AECO	LW 71002,Alt-I	01 no.
32.	Provision of Regulated Battery Charger Make: HITACHI Sr. no.: 18101666	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.: 01207055	EDTS163,REV-C,COR-2&3	01 no
34.	Provision of 5 KVA TFR Make : VIMAL Sr no : VTC 3089 LHB 1605	As Per EDTS-366,REV-NIL & CC-71510	01 no.
35.	Provision of capacitor Bank Make: NEC SL.no.: 2020097314	As per EDML-130 Rev-1,Corr-1	01 no.
36.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-4260	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
37.	Feeder junction boxes. Make : LIGHT ENGG.	EDTS-328 REV-C	01 set
38.	Wheel set earthling equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	01 set
39.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr. no : 13240	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

SSE/EL/OC अभियन्ता गुणवत्ता नियंत्रण आपरेटिंगका/लालगंज/रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL आपरेटिंगका/रायबरेली A.W.M./Electrical/MCF/RBL

