



Modern Coach Factory Raebareilly  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002  
REV NO: 01  
DATE: 17.04.2018

ROLLING STOCK CERTIFICATE (TEJAS)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/1354

RLY	WR	COACH NO	211316/C	DATE OF DISPATCH	31-Mar-21
Type	LWACCN	Shell No.	20N077	DISPATCH TO	Sr DME/C&W/MMCT
				FUR.NO.	TeJ/3T-76
1.	Railway Board's Order No. : 2020/M(C)142/2, DATE-18.02.2021				
2.	Tare Weight of Coach : 45.6 Tonnes				
3.	Carrying Capacity : (a) Seating: 72 (b) Sleeping: 72 (c) Luggage: NIL				
4A.	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 -NIL				

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 1099/1105

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front Part	PP END M/S-AMIT ENGG
		NPP END	M/S-AMIT ENGG
	Complete	MCF/RBL-V4U TECHIE	20N077
2	Lav. side wall	MCF/RBL	LAV.1
		MCF/RBL	LAV.2
			LAV.3
			LAV.4
3	Side wall	LH SIDE	MCF/RBL-CONT-V4U
		RH SIDE	MCF/RBL-CONT-V4U
4	End wall	PP END	M/S-RAIL TECH KXH
		NPP END	PP END M/S-RAIL TECH KXH
5	Roof	MCF/RBL-CONT.	90
6	Centre Buffer Coupler	M/S-FRONTIER	NPP/PP 129P2/16P2

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	ADVANCE	M/S-ADVANCE (S&A)	76/91	6-Mar-21
2	Insulation			Satisfactory		

SSE/QC/MCF/RBL

वरिष्ठ अनुष्ठान अभियंता  
गुणवत्ता विभाग  
रेडिओकॉ, 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/-1354 (TEJAS)

RLY	W	R	-	Coach No.	2	1	1	3	1	6	/	C	-	DATE OF DISPATCH	3	1	0	3	2	0	2	1
-----	---	---	---	-----------	---	---	---	---	---	---	---	---	---	------------------	---	---	---	---	---	---	---	---

DISPATCH	Sr.DME/C&W/MMCT	Type	L	W	A	C	C	N	Shell No.	2	0	N	0	7	7	FUR .NO	L3T-Tej-76
----------	-----------------	------	---	---	---	---	---	---	-----------	---	---	---	---	---	---	---------	------------

**9. DETAIL OF BOGIES:**

ITEMS	NPP Side				PP Side			
Bogie No	202847				202848			
Bogie Type	FIAT				FIAT			
Frame no.	AML- 342				Mcf/rbl/l5-2941			
Bolster no.	Mcf/rbl/l5-3230				AMIT-583			
Axle No	21 C - 3684 RWF		21C - 3501 RWF		21 C - 4302 RWF		21 C -4086 RWF	
Wheel Dia	917.481	917.583	917.521	917.584	917.432	917.62	917.466	917.646
Wheel Disc No	TZ 09-20 33879-0TC8	TZ 07-20 23396-0PM1	TZ 09-20 32084-0SE4	TZ 09-20 27446-0SD4	TZ 07-20 45500-0RE4	TZ 09-20 33017-0TE1	TZ 09-20 33015-0TE1	TZ 09-20 31896-0TD6
R.B. Nos.	06-20 411327	06-20 505447	02-20 407251	06-20 505243	09-20 428309	09-20 429909	09-20 427751	09-20 427169
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 02-21 3800	TAYAL.CO 02-21 3722	TAYAL.CO 02-21 3743	TAYAL.CO 02-21 3771

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

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	337701,338458	338611,337075
2.	Primary outer Spring	CMFSK	10-20 F03-028-(1265,1118,1257,1185)	10-20 F03-028-(1123,1230,1068,1117)
3.	Primary Inner Spring	CMFSK	10-20 F04-030-(1181,1248,1050,1262)	10-20 F04-030-(1150,1369,1283,1285)
4.	Primary Damper	IAI	01-20 (301209,300834,300721,299018)	01-20 (301017,299868,299239,299690)
5.	Secondary Damper	KONI	04-19 (06493,06443)	04-19 (06420,06447)
6.	Lateral Damper	KONI	04-19 00274	04-19 00339
7.	Brake Cylinder	FAV	A20-(032,),N20(-013),B21(092,060)	B21 -(007),K20-361,H20-013,A21-194,
8.	Brake Caliper	FAV	B21(354,352,387,390,)-B	B21(526,524,532,534)-B
9.	Brake Disc	KBI	24241008 0028-46/20,24241009 0008-46/20 24241014 00023-48/20,24241014 0022-48/20	24241008 0061-48/20,24241009 0050-48/20 24241013 0078-48/20,24241013 0080-48/20
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	ARYAN		
12.	Traction Centre make	RNG		
13.	Traction lever make	TAJ		
14.	Ball joint traction lever	ARYAN		
15.	Ball joint traction centre	PPI		
16.	Leveling Valve	FAV	G20-529,G49-648	G20-465,A20-466
17.	Check Valve	FAV	L19- 026	K19-340
18.	Anti roll bar Make	RF		
19.	Roll Link make	EMSON+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	SFL	H72 H18,H16,H130	H71,H56,H35,H86
22.	Control Arm Lower	SFL	H11. H268,H78,H48	H267,H117,H28,H88
23.	Phonic Wheel	FAV	F /KEP/C-20	FT/KEP/C-20

Signature of SSE/Bogie/QC





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 (TEJAS)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/1354

RLY	WR	COACH NO	211316/C	DATE OF DISPATCH	31-Mar-21
Type	LWACCN	Shell No.	20N077	DISPATCH TO	Sr.DME/C&W/MMCT
				FUR.NO.	Tej/3T-76

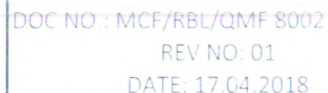
12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-FAIVELEY	B21086B
2	Distribution valve	M/S-FAIVELEY	B215592B
3	Pull box	M/S-FAIVELEY	
4	FIBA	M/S-KBI	11558/29,11463/29
5	Foot Step	M/S-HITECH RBL	
6	Decoupling arrangement	M/S-PULSAR KOLKATA	
7	Floor board	M/S-TWPL MUMBAI	
8	PVC	M/S -HFGW VADODARA	
9	UIC Vestibule (PPE)	M/S-SUNCREST KOLKATA	
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 -HFGW VADODARA	
14	Emergency Window	M/S -HFGW VADODARA	
15	Lavatory/hopper Window	M/S -HFGW VADODARA	
16	Roof Ceiling	M/S -HFGW VADODARA	
17	Door way /gang way ceiling	M/s-P.D.STEEL PANCHKULA	
18	Supply Air Duct	M/s-HANSPAL KXH	
19	Side Wall panel	M/S -HFGW VADODARA	
20	Partition panel (HONEYCOMB)	M/S -HFGW VADODARA	
21	Partition pillar	M/S -HFGW VADODARA	
22	AC Trough	M/S-TATA STEEL KOLKATA	
23	Body Side Doors	M/S-KNORR BREMSE IND LTD PALWAL	
24	Compartment Door (PPE)	M/s-POOJA SALES JAGADHARI	
25	Compartment Door (NPPE)	M/s-POOJA SALES JAGADHARI	
26	Vestibule Door(PPE)	M/s-JBM FARIDABAD	
27	Vestibule Door(NPPE)	M/s-JBM FARIDABAD	
28	RMPU	M/S-ESS ESS KAY ENGG KXH	
29	Bio Tank	M/S-CEMCON -02 NOS+JSL LIFE -02 NOS	
30	Vacuum toilet system	M/S-CEMCON CASTING PVT LTD	
31	Auxiliary Water Tank	M/S-SHIVALIK FAST MOHALI	
32	Under Slung Water Tank ( 2X685L)	M/S-OASIS	
33	Under Slung Water Tank (1x450 L)	M/S-OASIS	
34	Health Faucet	M/S -CMT MECHANISED SYSTEM VADODARA	
35	Lotah Filler Tap	M/S -CMT MECHANISED SYSTEM 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-SHAAN INDS.	116/360
40	CCTV	M/S-PUNJAB RADIO JUC	
41	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENTT FARIDABAD	
42	Odour control system	M/S -HFGW VADODARA	
43	Seat & Berth	M/S -HFGW VADODARA	
44	Light Luggage Rack	M/S -HFGW VADODARA	
45	Snack Table	M/S -HFGW VADODARA	
46	Venturi grill	NIL	
47	RFID	NIL	

  
वरिष्ठ अधिकारी

गुणवत्ता विभाग  
रेडिओ, रायबरेली (लालगंज)





## Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/1354

13. MODIFICATION (IF ANY)	: NIL
14. DEVIATION (IF ANY)	: NIL
15. ITEM FITTED ON THE COACH ON TRIAL	: NIL

## 16. WARRANTY:

**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](mailto: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

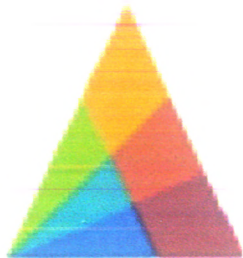
If any imperfection is noticed or any defect arises during the warranty –period due to improper material used or due to bad workmanship, the contractor shall be bounded to set right the defect/ imperfection on free of cost basis at the base depot of the coach.

5/2/16

Dy.CQM/MCF/RBL

गुणवत्ता विभाग  
रेडि०का०, रायबरेली (लालगंज)





# ADVANCE PAINTS

CORROSION PROTECTION PROFESSIONALS

## WARRANTY CERTIFICATE

To,  
Dy. CME/Paint  
Modern Coach Factory,  
Lalganj,  
Raebareli-229120

Date:- 09/03/2020

Sub- Performance Warranty Certificate.

Ref No- PO No.- 06201014101538 dtd. 17.11.2020

Name of Work- Supply and Application of PU Paint for painting of LHB type Tejas coaches.

Dear Sir,

With Reference to the above, we do hereby confirm the warranty for three years from the date of application of the delivered before mention coaches vide your above referred purchase order after application and due inspection at your end.

SL. No.	Shell No.	Furnishing No.	Coach No.	Railway No.	Date of Completion
25	LWACCN 20ND77	L3T (TEJ) 76	211316	WR	06-03-20

The Warranty is applicable from the date of dispatch against the below mentioned 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% & 6% of initial gloss after one year, two year and three years respectively from the date of application.
- Decolourization of paint film.
- Cracking of paint film.
- Peeling of paint film.
- Blistering of the paint film.

Thanking you  
Yours Faithfully,

For Advance Paints Pvt. Ltd.

Authorized Signatory

**ADVANCE PAINTS PVT. LTD.**

Advance House, Plot No. A, Ark Industrial Compound, Makwana Road, Marol Naka, Andheri (East) Mumbai 400 059, India  
T: +91 22 28590162/63/64 \* F: +91 22 2852 8826 \* govtdept@advancepaints.com \* www.advancepaints.com

**A GALIAKOTWALA GROUP COMPANY**





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना,  
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

PAGE 1 OF 5

## 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		WR	ELECT. FIT DATE	27-03-2021	MCF FUR. NO.
					3T(TEJAS)-76
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	29.00 Cub mtr/min		OK	
3.2	Return Air	67.93 Cub mtr/min		OK	
3.3	Exhaust Air	7.15 Cub mtr/min		OK	
3.4	Conditioned Air	174.01 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  
Quality control / Electrical  
Modern Coach Factory Raebareli





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना,  
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

PAGE 2 OF 5

## 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)	OK
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

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli







Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना,  
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

PAGE 3 OF 5

## 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>SSK</b> Sr no of RMPU 1(NPP side) : <b>2143/21</b> Sr no of RMPU 2(PP side): <b>2144/21</b> Sr no of Microprocessor. : <b>AE 2007594</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-21-01-0256</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>20/10/564</b> Sr no.1: <b>20/10/767</b> Sr no.2 : <b>20/10/668</b> Sr.no.CPA: <b>20/10/615-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>ENSAVE</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.	<b>OK</b>
07.	Provision of Cabin/Corridor Light with Night light. Make: <b>RT VISION</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.	<b>OK</b>
09.	Provision & mounting of Doorway/Gangway light. Make: <b>RT VISION</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>ELECTROWAVES</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>ENSAVE</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>N/A</b>	. EDML047,ITEM-4	<b>N/A</b>

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli







Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना,  
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

PAGE 4 OF 5

## 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>SALZER</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>SALZER</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>SALZER</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>DEVINTEC</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>DHINGRA</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>DHINGRA</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>DEVINTEC</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>PRIME ELECT.</b> 2.(PP): <b>PRIME ELECT.</b>	As per Spec. no. RDSO/PE/SPEC/AC/0177(Rev.-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>HBL</b> Lug date : <b>11/19</b>	EDTS 129,Rev nil	<b>01 set</b>
27.	GPS PASSENGER INFORMATION SYSTEM FOR LHB AC-TEJAS COACHES. Make: <b>ELECTRONIC EQUIPMENT</b> MBU SL No: <b>0219-270</b> 1. LCD (NPP) SL.No: <b>0219-500</b> 2. LCD (PP) SL.No : <b>0219-499</b>	RDSO/SPEC/AC/0087-2008(REV-1) & RDSO/PE/SK/AC/0182-2015 & RDSO/PE/TP/AC/0026-2015,REV-	<b>01 SET</b>

Senior Section Engineer  
Quality control / Electrical  
Modern Coach Factory Raebareli







Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना,  
रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

PAGE 5 OF 5

## ROLLING STOCK CERTIFICATE OF LHB EOG 3T COACH.

Sr. no.	Description	Drg/Spec no.	Quantity per Coach
28.	Provision of Cable Jacket, Size 75, 50, 20 mtr.	As per spec no. EDTS 0138, Item 5,8,11	ok
29.	Provision of cable binder.	As per Drg. No. cc76129, Item 2,4.	ok
30.	Battery box for LHB coaches. Make: <b>HITECH</b>	As per drgno 1 10113 0 76 700 005, Alt C	01 no.
31.	Battery fuse box +ve Make : <b>RSI</b>	LW 71001, Alt-H	01 no.
32.	Battery fuse box -ve Make : <b>RSI</b>	LW 71002, Alt-I	01 no.
33.	Provision of Regulated Battery Charger Make: <b>WAVES</b> Sr. no.: <b>W4K5G 201776</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.
34.	Emergency battery charger Make : <b>N/A</b> Sr.no.: <b>N/A</b>	EDTS163,REV-C,COR-2&3	N/A
35.	Provision of 5 KVA TFR Make : <b>VIMAL</b> Sr no : <b>VTC 3089 LHB 1653</b>	As Per EDTS-366,REV-NIL & CC-71510	01 no.
36.	Provision of capacitor Bank Make: <b>NEC</b> SL.no.: <b>2020107982</b>	As per EDML-130 Rev-1, Corr-1	01 no.
37.	60KVA transformer Make : <b>WAVES</b> Sr no : <b>W60KB21352</b>	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
38.	Feeder junction boxes. Make : <b>AECO</b>	EDTS-328 REV-C	01 set
39.	Wheel set earthing equipment. Make : <b>DARSHAN</b>	EDTS101,REV-C,AM-1	01 set
40.	Wheel Slide Protection System (WSP) Make : <b>FAIVELEY</b> Sr. no : <b>13111</b>	As per MDTS 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" or "JWL-DAKO-CZ"	01 set
41.	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
42.	PANTRY EQUIPMENTS(ONLY FOR RAJDHANI COACH). Hot Case, Bottle cooler cum deep freezer Make : <b>ZUMAX</b>	As per spec no EDTS 139, Rev-E, Sec II.	01 Set
43.	Provision of reliable wired Train bus in EOG/HOG coaches for hauling of trains by Loco's in Push-Pull mode. Make: <b>SCHALT BAU /HARTING</b>	RDSO spec. no. RDSO/PE/MS/AC/0080-2019 (Rev.-1)	01 Set

वरिष्ठ अनुभाग अभियन्ता

SSE/EL/QC

आपरेटिंग/रायबरेली

S.S.E./Elect-0080/...

AWM(ELECT)/MCF/RBL

SEE(P)/MCF/RBL

A.W.M./MCF/RBL