



Modern Coach Factory Raebareilly
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 /278(Tejas)

RLY	ECR	COACH NO	211869/C			DATE OF DISPATCH		26-Jun-21	
Type	LWACCN	Shell No.	21N005	DISPATCH TO	Sr.DME/DNR/RNCC		FUR.NO.	L3T-TEJ-93	
1	Railway Board's Order No. : 2020/M (C)/142/2, Dt- dt-18.02.2020								
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		1105/1102	
6	TRACEABILITY OF SHELL ITEMS:								
S.N	ITEM			MAKE/SUPPLIER		SERIAL NO			
i	Under frame	Front	PP END	M/S-AMIT ENGG		-----			
Part		NPP END	M/S-AMIT ENGG		-----				
Complete		MCF/RBL-AIRCON		21N005					
ii	Lav. side wall			M/S-RAIL FAB KXH		LAV.1	-----	LAV.2	-----
				M/S-RAIL FAB KXH		LAV.3	-----	LAV.4	-----
iii	Side wall	LH SIDE	MCF/RBL-V4U LKO		3				
		RH SIDE	MCF/RBL-V4U LKO		3				
iv	End wall	PP END	M/S-INDIRA		-----				
		NPP END	M/S-OMAX		-----				
v	Roof			M/S-INDIRA		12			
vi	Centre Buffer Coupler			M/S-ESCORTS		NPP/PP		7623/7612	
vii	Buffer			NIL		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.		7 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		DATE OF COMPLETION	
i	Paint	P.U	ADVANCE	M/S-ADVANCE		74/88		4-May-21	
ii	Insulation	Satisfactory							
10	COACH FURNISH DETAILS :								
S.N	ACTIVITIES		FIRM		TURNKEY/WORK CONTRACT/SUPPLY&APPLY				
i	Coach Furnishing		M/S-CMT VADODARA		TURNKEY				
ii	Air Brake		M/S-HARE KRISHNA		WORK CONTRACT				
iii	Bio toilet & flushing		M/S-HFGW VADODARA		TURNKEY				
iv	Fire detection		M/S-SANROK		M/S-SUPPLY&APPLY				

08/08/21
वरिष्ठ SSE/QC/MCF/RBL
गुणवत्ता विभाग
रेलवे कारखाना, 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 /278(Tejas)					
RLY	ECR	COACH NO	211869/C	DATE OF DISPATCH	26-Jun-21
Type	LWACCN	Shell No.	21N005	DISPATCH TO	Sr.DME/DNR/RNCC
				FUR.NO.	L3T-TEJ-93
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	6328 10/21	
ii	Distribution valve		M/S-KBI	2021C13231	
iii	Pull box		M/S-KBI		
iv	FIBA		M/S-KBI	20343/29,20179/29	
v	Foot Step		M/S-HI TECH RBL		
vi	Decoupling arrangement		M/S-PULSAR INDS KOLKATA		
vii	Floor board		M/S-TWPL MUMBAI		
viii	PVC		M/S-CMT VADODARA		
ix	UIC Vestibule (PPE)		M/S-ELASTOMER MUMBAI		
x	UIC Vestibule (NPPE)		M/S-ELASTOMER MUMBAI		
xi	Gangway bridge mounting (PPE)		M/s- HARE KRISHNA KXH		
xii	Gangway bridge mounting (NPPE)		M/s- HARE KRISHNA KXH		
xiii	Body Side Window		M/S-CMT VADODARA		
xiv	Emergency Window		M/S-CMT VADODARA		
xv	Lavatory/hopper Window		M/S-CMT VADODARA		
xvi	Roof Ceiling		M/S-CMT VADODARA		
xvii	Door way /gang way ceiling		M/S-GANDHI SAFE & ALLIED		
xviii	Supply Air Duct		M/s-SAHAI SEATING KXH		
xix	Partition panel		M/S-CMT VADODARA		
xx	Partition pillar		M/S-CMT VADODARA		
xxi	Side Wall panel		M/S-CMT VADODARA		
xxii	AC Trough		M/S-MEENA FIBER		
xxiii	Body Side Doors		M/S-KNORR BREMSE PALWAL		
xxiv	Compartment Door (PPE)		M/s-POOJA SALES		
xxv	Compartment Door (NPPE)		M/s-POOJA SALES		
xxvi	Vestibule Door(PPE)		M/s-JBM FARIDABAD		
xxvii	Vestibule Door(NPPE)		M/s-JBM FARIDABAD		
xxviii	RMPU		M/S-AMIT ENGG SALON		
xxix	Bio Tank		M/s-JSL LIFE		
xxx	Pressurized flushing (ele. Pneu.)		NIL		
xxxi	Auxiliary Water Tank		M/S-AMIT ENGG MOHALI		
xxxii	Under Slung Water Tank (2X685L)		M/S-OASIS		
xxxiii	Under Slung Water Tank (1x450 L)		M/S-AMIT ENGG BADDI		
xxxiv	Health Faucet		M/S-HFGW VADODARA		
xxxv	Lotah Filler Tap		M/S-HFGW VADODARA		
xxxvi	Bib cock		M/S-JUPITER AQUA LTD		
xxxvii	Lavatory Modules		M/S-CMT VADODARA		
xxxviii	Lavatory Doors		M/S-CMT VADODARA		
xxxix	Fire Extinguisher		M/S-SHAAN	648/659	
xxxx	Seat & Berth		M/S-CMT VADODARA		
xxxxi	Snack Table		M/S-CMT VADODARA		
xxxxii	Light Luggage Rack		M/S-CMT VADODARA		
xxxxiii	Venturi grill		NIL		
xxxxiv	Auto janitor		M/S-CMT VADODARA		
xxxxv	Automatic smoke & heat Detection with alarm System		M/S-SANROK		
14.B	TRACEABILITY OF FURNISHING ITEMS:(items for variant wise)				
i	Vacuum toilet system		M/S-METAL FAB		
ii	Odour control system		M/S-CMT VADODARA		
iii	CCTV		M/S-PUNJAB RADIO JUC		

28/05/21
SSE/QC/MCF/RBL
गुणवत्ता विभाग
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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

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2021-22-278 (TEJAS)

RLY	E	C	R	Coach No.	2	1	1	8	6	9	/	C	-	DATE OF DISPATCH	2	5	0	6	2	0	2	1
DISPATCH	Sr.DME/DNR/RNCC			Type	L	W	A	C	C	N	Shell No.	2	1	N	0	0	5	FUR.NO	L37-Tej-93			

15. DETAIL OF BOGIES:-

ITEMS	NPP Side				PP Side			
Bogie No	210405				210406			
Bogie Type	FIAT				FIAT			
Frame no.	MCF/RBL/LS5 - 3124				MCF/RBL/LS5 - 2955			
Bolster no.	MCF/RBL/LS5 - 2940				MCF/RBL/LS5 - 3391			
Axle No	21 D - 3600 RWF		21 D - 3740 RWF		21 D - 3659 RWF		21 C - 4148 RWF	
Wheel Dia	917.366	917.336	917.40	917.345	917.373	917.438	917.344	917.43
Wheel Disc No	TZ 07-19 21927-8XH8	TZ 03-19 29357-9MK9	TZ 01-19 21925-8XH8	TZ 01-19 22160-8XG9	TZ 01-19 22430-8XIO	TZ 04-19 39171-9OF3	TZ 05-19 48584-9PE9	TZ 02-19 26196-9MJ8
R.B. Nos.	09-20 301556	10-20 434298	09-20 303193	10-20 434343	09-20 301482	09-20 430343	09-20 300836	10-20 434132
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.	RESISTOFLEX S. No.- 03-21 0979	RESISTOFLEX S. No.- 03-21 0989	RESISTOFLEX S. No.- 03-21 0890	RESISTOFLEX S. No.- 03-21 0950

17. TRACEABILITY OF BOGIE ITEMS:-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	334430,334541	334610,334658
2.	Primary outer Spring	CMSTL	02-19-F03-N89-03A-(4699,4366,3745,3665)	02-19-F03-N89-03A-(3754,4683,3214,5090)
3.	Primary Inner Spring	CMAFJ	08-20-7143-(345,378,322,320)	08-20-7143-(341,342,333,281)
4.	Primary Damper	IAI	12-19(288903,288913,288909,288920)	12-19(288923,297811,290562,297127)
5.	Secondary Damper	KONI	04-19 (05979,03697)	04-19 (06872,06171)
6.	Lateral Damper	IAI	03-20 313358	02-19 241093
7.	Brake Cylinder	KBI	D-(2799,1117,0981,2421)-K-29	D-(2564,0968,1002,2422)-K-29
8.	Brake Caliper	KBI	2921057290,2921067339, 2921057275,2921087081	2921067113,2921057272, 2921057229,2921067049
9.	Brake Disc	KBI	24251012-(0034,0035)-47-20, 24251013-0049-47-20,24251014-0002-47-20	24251022-0063-50-20,24251023-007-50-20, 24251012-0025-47-20,24251013-0018-47-20
10.	Ball Joint Control Arm	GMT+BONY		
11.	Lateral Bump Stop	GMT/BASANT		
12.	Traction Centre make	RNG		
13.	Traction lever make	MK/JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	KNORR	41/20-D0589,39/20-D0086	39/20-D0094,40/20-D-0082
17.	Check Valve	KNORR	11-20 28395	11-20 28377
18.	Anti roll bar Make	SF		
19.	Roll Link make	SF+GMT		
20.	Fork make	RNG		
21.	Control Arm Upper	SF+SFL	H-(84,14,83,115)	H-(57,20,264,42)
22.	Control Arm Lower	SF+SFL	H-(118,62,87,128)	H-(28,129,230,67)
23.	Phonic Wheel	KBI	K-02-21	K-02-21

Signature of SSE/Bogie/QC	SME/AME/QC/MCF/RBL	Dy.CQM/MCF/RBL
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सहायक यांत्रिक इंजीनियर
Asst. Mechanical Engineer
आ. र. डि. का. रायबरेली
MCF, RBL

डि. चिफ़ क्वालिटी मैनेजर
Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Ra. Bareilly



ADVANCE PAINTS

CORROSION PROTECTION PROFESSIONALS WARRANTY CERTIFICATE

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

Date:- 08.05.2021

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
50	LWACCN QIN005	L3T (TEJ) 93	211869	ECR	04.05.21

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		211869/C
RAILWAY		ECR	ELECT. FIT DATE	25-06-2021	MCF FUR. NO.	3T(TEJAS)-93
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			29.54 Cub mtr/min		OK
3.2	Return Air			61.97 Cub mtr/min		OK
3.3	Exhaust Air			7.15 Cub mtr/min		OK
3.4	Conditioned Air			162.89 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 : 23.1°C NPP Side : 20.3°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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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

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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 : AMIT ENGG. Sr no of RMPU 1(NPP side) : 6115 C Sr no of RMPU 2(PP side): 6130 C Sr no of Microprocessor. : AE 2102018	As per RDSO/PE/SPES/AC/0061/REV-1/2005	01 Set
02.	Switch board cabinet Make : MV ELECTROSYSTEMS Sr no : 21030113	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/136 Sr no.1: 21020271 Sr no.2 : 21020272 Sr.no.CPA: 20/10/414-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: ENSAVE	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: KAVERI	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: AGASTYA	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: N/A	. EDML047,ITEM-4	N/A

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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: 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 : SKS	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 : SKS	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 : SKS	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 : DEVINTEC	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: IMT	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): MAA LAXMI INDUSTRIES 2.(PP): MAA LAXMI INDUSTRIES	As per Spec. no. RDSO/PE/SPEC/AC/0177(Rev.-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 : 04/21	EDTS 129,Rev nil	01 set
27.	GPS PASSENGER INFORMATION SYSTEM FOR LHB AC-TEJAS COACHES. Make: IQ NET SYSTEMS MBU SL No: 038 1. LCD (NPP) SL.No: 058 2. LCD (PP) SL.No : 057	RDSO/SPEC/AC/0087-2008(REV-1) & RDSO/PE/SK/AC/0182-2015 & RDSO/PE/TP/AC/0026-2015,REV-	01 SET

Senior Section Engineer
Quality control / Electrical
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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: ANKUR	As per drgno 1 10113 0 76 700 005,Alt C	01 no.
31.	Battery fuse box +ve Make : RSI	LW 71001,Alt-H	01 no.
32.	Battery fuse box -ve Make : RSI	LW 71002,Alt-I	01 no.
33.	Provision of Regulated Battery Charger Make: WAVES Sr. no.: W4K5G 201872	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 : N/A Sr.no.: N/A	EDTS163,REV-C,COR-2&3	N/A
35.	Provision of 5 KVA TFR Make : BHASIN Sr no : 01210641	As Per EDTS-366,REV-NIL & CC-71510	01 no.
36.	Provision of capacitor Bank Make: NEC SL.no.: 2020097318	As per EDML-130 Rev-1,Corr-1	01 no.
37.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-5259	As per spec no. RDSO/PE/SPEC/AC/0080-2007 (REV-1)	01 no.
38.	Feeder junction boxes. Make : SYSTEMS	EDTS-328 REV-C	01 set
39.	Wheel set earthing equipment. Make : PRIME ELECT.	EDTS101,REV-C,AM-1	01 set
40.	Wheel Slide Protection System (WSP) Make : KNORR Sr. no : 0120366591	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: MV	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 : SUPER	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: SCHALT BAU /HARTING	RDSO spec. no. RDSO/PE/MS/AC/0080-2019 (Rev.-1)	01 Set

वरिष्ठ अनुभाग अभियन्ता

SSE/EL/QC

आपरेटिंग/लालगंज/रायबरेली
S.S.E./Elect-QC/M.C.F./LLJ/RBL

कार्य प्रबन्धक/विद्युत

AWM(ELECT)/MCF/RBL

SEE(P)/MCF/RBL