		Modern Coach Factory Raebareilly आधुनिक रेल डिब्बा कारखाना, रायबरेली		DOC NO.: MCF/RBL/QMF 8002/ LBAC REV NO: 00 DATE: 21.02.2019	
ROLLING STOCK CERTIFICATE (TEJAS)					
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/20-21/1356					
RLY	WR	COACH NO	211313/C	DATE OF DISPATCH	
Type	LWCBAC	Shell No.	20P007	DISPATCH TO	Sr.DME/C&W/MMCT
				FUR.NO.	Tej/BAC-08
1 Railway Board's Order No. : 2020/M(C)/142/2 Dated: -24.12.2020					
2 Tare Weight of Coach : 39 Tonnes					
3 Carrying Capacity : (a) Seating:15 (b) Sleeping: 15 (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					

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	4039
4	CBC height/Buffer height from Rail level 1105 +0/-10	NPP/PP 1104/1105

6. TRACEABILITY OF SHELL ITEMS:


S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front PP END	M/s-RAIL TECH KXH 41
		Part NPP END	M/s-RAIL TECH KXH 41
		Complete	M/s-RAIL TECH KXH 41
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-RAIL TECH KXH 32
		RH SIDE	M/s-RAIL TECH KXH 32
4	End wall	PP END	M/s-RAIL TECH KXH -----
		NPP END	M/s-RAIL TECH KXH -----
5	Roof	M/s-RAIL TECH KXH	32
6	Centre Buffer Coupler	M/s-FRONTIER	NPP/PP 190P2/11P2

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.	07 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	ADVANCE	M/s-ADVANCE (S&A)	75/89	2-Mar-21
2	Insulation			Satisfactory		


SSE/QC/MCF/RBL
वरिष्ठ अनुष्ठानिक अभियंता
गुणवत्ता विभाग
रेडिओ का. 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 - 1356**

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

DISPATCH	Sr.DME/C&W/MMCT	Type	L	W	C	B	A	C	Shell No.	2	0	P	0	0	7	FUR .NO	LBAC/TEJ-08
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	193694				193693			
Bogie Type	LWS				LWS			
Frame no.	VS-181				VS-170			
Bolster no.	MCF/RBL/LS-5 - 1284				MCF/RBL/LS-5 - 2109			
Axle No	21 V - 3910 RWF		20 V - 6314 RWF		20 V - 3807 RWF		21 V - 5709 RWF	
Wheel Dia	917.267	917.195	917.314	917.26	917.302	917.252	917.752	917.249
Wheel Disc No	TZ 09-17 33598-7SH0	TZ 05-18 20168-8NG1	TZ 11-19 87853-9WL2	TZ 11-19 83114-9WG8	TZ 11-19 81953-09WF7	TZ 11-19 82530-9VF8	TZ 11-19 83309-09VF9	TZ 11-19 82429-9VC4
R.B. Nos.	11-19 33314	12-19 44887	11-19 43641	12-19 44577	11-19 43608	11-19 44326	11-19 33587	11-19 32712
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. 01-19 1682	TAYAL & CO. 01-19 0672	TAYAL & CO. 01-19 1624	TAYAL & CO. 01-19 1683

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	294373,293793	294238,293878
2.	Primary outer Spring	CMFSK	02-19 7411-105-(584,582,563,591)	02-19 7411-105-(542,512,505,633)
3.	Primary Inner Spring	CMSTL	02-19 F02-545-(7274,7724,7039,6926)	02-19 F02-545-(6811,7297,6930,6761)
4.	Primary Damper	IAI	12-19(287147,287613,287163,287060)	12-19(287812,287503,287650,288352)
5.	Secondary Damper	KONI	04-19 (03667,03313)	04-19 (04221,03649)
6.	Lateral Damper	IAI	01-20 297617	01-20 297689
7.	Brake Cylinder	KBI	C(3442,2165,2378,3566)K29	C(3443,2177,2192,3422)K29
8.	Brake Caliper	KBI	B(9748,9948,0058,9860)-29	B(9751,9951,9947,9750)-29
9.	Brake Disc	KBI	24210806 0062-04/20,24210805 0053-04/20 24210808 0020-05/20,24210807 0045-05/20	24210799 0014-03/20,24210802 0080-04/20 24210804 0001-04/20,24210805 0030-04/20
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	RF		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	KNORR	16-19 B 6251,16-19 B 6087	16-19 B 6170,16-19 B 6499
17.	Check Valve	KNORR	07-2019 19887	07-2019 19848
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/GMT		
20.	Fork make	RF		
21.	Control Arm Upper	SF	67,111,153,1782	1605,58,183,1891
22.	Control Arm Lower	SF	98,212,352,786	1232,198,244,972
23.	Phonic Wheel	KBI/FAV	K09-20	FT/KEP-549

Signature of SSE/Bogie/QC



Modern Coach Factory Raebareilly
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002
LBAC REV NO: 00
DATE: 21.02.2019

ROLLING STOCK CERTIFICATE (TEJAS)

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/20-21/1356

RLY	WR	COACH NO	211313/C	DATE OF DISPATCH	31-Mar-21
Type	LWCBAC	Shell No.	20P007	DISPATCH TO	Sr.DME/C&W/MMCT
				FUR.NO.	Tej/BAC-08

13. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/s-FAIVELEY	C21009B
2	Distribution valve	M/s-FAIVELEY	B215638B
3	Pull box	M/s-FAIVELEY	
4	FIBA	M/s-KBI	11553/29,11555/29
5	Foot Step	M/s-HI TECH PVT.LTD RBL	
6	Decoupling arrangement	M/s-PULSAR RUBER KOLKATA	
7	Floor board	M/s-TWPL MUMBAI	
8	PVC	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
9	UIC Vestibule (PPE)	M/S-ELASTOMER MUMBAI	
10	UIC Vestibule (NPPE)	M/S-ELASTOMER MUMBAI	
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 MECHANISED SYS.PVT.LTD VADODARA	
14	Emergency Window	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
15	Lavatory/hopper Window	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
16	Automatic Fire Detection System	M/s-SANROK ENT	
17	Roof Ceiling	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
18	Doorway/Gangway Ceiling	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
19	Supply Air Duct	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
20	Partition panel (HONEYCOMB)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
21	Partition pillar	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
22	Side wall panel	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
23	AC Trough	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
24	RMPU	M/s-AMIT ENGG SOLAN	
25	Body Side Door	M/s-KNORR BREMSE LTD PALWAL	
26	Compartment Door (PPE)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
27	Vestibule Door(PPE)	M/s-JBM INDS. FARIDABAD	
28	Vestibule Door(NPPE)	M/s-JBM INDS. FARIDABAD	
29	Pantry sliding door	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
30	Saloon sliding door(PPE)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
31	FRP panels for pantry room	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
32	Shutter (small)	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
33	Bio Tanks	M/s-CEMCON CASTING-01 NO+JSL LIFE-01 NO	
34	Presurized flushing eleetc.pneumatic	M/s-SPAC	
35	Auxiliary Water Tanks	M/s-SHIVALIK FAST MOHALI-01 NO+AMIT MOHALI-02 NO	
36	Under Slung Water Tank (2X685L)	M/s-AMIT ENGG.MOHALI	
37	Under Slung Water Tank (1x450 L)	M/s-AMIT ENGG.MOHALI	
38	Health Faucet	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
39	Lotah Filler Tap	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
40	Bib cock	M/s-JAQUAR PVT LTD ALWAR	
41	Lavatory Modules	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
42	Lavatory Doors	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
43	Fire Extinguisher	M/s-SHAAN INDS	362
44	Seat & Berth	M/s-CMT MECHANISED SYS.PVT.LTD VADODARA	
45	Ventury grill	NIL	
46	RFID	NIL	

SSE/OC/MCF/RBL

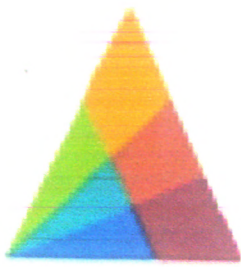
वरिष्ठ अधिकारी
गुणवत्ता विभाग
रेलवे कारखाना, रायबरेली (लालगंज)



		Modern Coach Factor / Raebareli आधुनिक रेल डिब्बा कार: गाना, रायबरेली			DOC NO.: MCF/RBL/QMF 8002 LBAC REV NO: 00 DATE: 17.04.2018	
ROLLING STOCK CERTIFICATE (TEJAS) Rolling Stock Certificate No.: MCF/RBL/QC/RSC/20-21/1356						
RLY	WR	COACH NO	211313/C	DATE OF DISPATCH		31-Mar-21
Type	LWCBAC	Shell No.	20P007	DISPATCH TO	Sr.DME/C&W/MMCT	FUR.NO. Tej/BAC-08
14. MODIFICATION (IF ANY) : NIL 15. DEVIATION (IF ANY) : NIL 16. ITEM FITTED ON THE COACH ON TRIAL : NIL						
S NO	ITEM PARTICULARS		PURPOSE	REPORT Frequency	REFERENCE & 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.						
बरिष्ठ अभियंता SME/QC/MCF/RBL		Asst. Mechanical Engineer SME/AME/QC/MCF/RBL		Dy. Chief Quality Manager Dy. CQM/MCF/RBL		

गुणवत्ता विभाग
रेलवे, रायबरेली (लालगंज)





ADVANCE PAINTS

CORROSION PROTECTION PROFESSIONALS

WARRANTY CERTIFICATE

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

Date:- 03/03/2021

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
23	2WCBAC 20P007	2BAC (TEJ) 08	211313	WR	02-03-21

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

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: 00

DATE:25.01.2019

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG HOG AC HOT BUFFET CAR

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG HOG AC HOT BUFFET CAR

TYPE COACH	LWCBAC	SHELL/COACH NO	211313/C
RAILWAY	WR	ELECT.FIT DATE	26-03-2021
FUR.NO	LBAC(TEJAS)-08		
Sr no	Description of tests	Remarks	
1.0	REFERENCE SPECIFICATION : L 446		
1.1	AIR CONDITIONING TEST : ELPS/TP/AC 01.		
1.2	CODE OF PRACTICE OF WIRING : ELPS/SPEC/EOG/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	31.10 Cub mtr/min	OK
3.2	Return Air	75.68 Cub mtr/min	OK
3.3	Exhaust Air	5.87 Cub mtr/min	OK
3.4	Conditioned Air	186.33 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 : 20.3°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





Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE:25.01.2019

PAGE 2 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

ELECTRICAL TEST CERTIFICATE FOR LHB EOG/HOG AC HOT BUFFET CAR

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 PANTRY EQUIPMENTS	OK
10.0	COMPARTMENT LIGHT	OK
11.0	PUBLIC ADDRESSING SYSTEM (PAS)	OK
12.0	WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
13.0	WORKING OF 60KVA TRANSFORMERS	OK
14.0	WORKING OF REGULATED BATTERY CHARGER	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
16.0	SAFETY :	----
16.1	THERMOSTAT :	OK
16.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
16.3	MID SET POINTS (SENSORS FAILED CONDITIONS)	OK
16.4	HYGROSTAT	OK
16.5	CONTROL CIRCUIT	OK
16.6	POWER CIRCUIT	OK
17.0	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: 00

DATE:25.01.2019

PAGE 3 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

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 (NPP side): 5864 A Sr no of RMPU (PP side) : 5898 B Sr no of Microprocessor: AE 2102074	As per rdso/pe/spes/ac/0061/rev-1/2005	02
02.	Switch board cabinet Make : ABROL Sr no : 015	As per Spec no.EDTS134,REV.D,AM-5	01
03.	Pump equipment with PLC controller & pump box Make : HIND Sr no PA : 20/10/492 Sr no.1 : 20/10/1023 Sr no.2 : 20/10/1024 Sr no.CPA : 20070119-KIND	As per spec EDTS 186,Rev-a, Am- 2	01
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : INTEG	EDTS331, TYPE-1 CORR.-1&2	01
05.	Provision & mounting of Passenger area light(Cabin) Make : ENSAVE	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L & Drg no LW76090	09
06.	Provision & mounting of Corridor Light with Night light Make : RT VISION	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M & Drg no LW76091	09
07.	Provision & mounting of Doorway/Gangway light Make : RT VISION	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	06
08.	Provision & Mounting of PACIL Assly. Make : ELECTROWAVES	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	02
09.	Provision & Mounting of Toilet indication light, Make : DR AUTO	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097.	01
10.	Provision & Mounting of Lavatory Light Make : ENSAVE	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092.	02
11.	Provision of Razor socket for WC for 110/240V. Make: SSK	As per EDML047,ITEM-4	02

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: 00

DATE:25.01.2019

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ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
12.	Provision of Four Switch 6A/250V AC Complete With Steel Plate & Cover Frame. Make: SKS	As per Spec no.EDML043,CORR-1 -	04 nos
13.	Provision of Twin Switch 6A/250V,Complete With Steel Plate & Cover Frame. Make: SSK	As per Spec no.EDML044,REVNIL,CORR-1 -	03 nos
14.	Provision of Single Switch 16A,250V & 6/16A,250V.AC 6-Pin Shuttered Socket Compl. With Steel Plate & Cover Frame, Make: SKS	As per Spec no.EDML045,CORR-1 -	06 nos
15.	Provision of PA System for LHB EOG Rajdhani Rake . Make:- AHUJA Call box Make: AHUJA	As per Spec no.EDTS173,REV.A,AM-3	01 SET
16.	Jumper Cable with Connector for PA System. Make:- LEC	As per drg no.LW75206,Alt' c	01 SET
17.	70AH/110V,54 Cells,02V each ,maintenance free pure lead acid tin monoblock ,battery set with 09 modules 12V each. , factory pre charged. Make : HLB Lug date : 02/21	EDTS 129,Rev nil	01 set
18.	Battery box for LHB coaches. Make : ANKUR	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	01
19.	Battery fuse box +ve Make : RSI	As per LW 71001,Alt-F	01
20.	Battery fuse box -ve Make : RSI	As per LW 71002,Alt-F	01
21.	Emergency battery charger Make : BHASIN Sr no: 01207114 Make : BHASIN Sr no: 01207069	EDTS 163,Rev `c' corg.-2&3	02
22.	Provision of capacitor Bank Make : NEC SL.no: 2020108015	As per EDML-130 Rev-1,Corr-1	01
23.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089-LHB-3851 Make: VIMAL Sr no : VTC-R-3089-LHB-3849	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	02
24.	GPS PASSENGER INFORMATION SYSTEM FOR LHB AC-TEJAS COACHES. Make: IQ NET SYSTEMS MBU SL No: 017 1. LCD (NPP) SL.No: 018 2. LCD (PP) SL.No : 017	RDSO/SPEC/AC/0087-2008(REV-1) & RDSO/PE/SK/AC/0182-2015 & RDSO/PE/TP/AC/0026-2015,REV-0	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: 00

DATE:25.01.2019

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ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG AC HOT BUFFET CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
25.	ZS coupling 400A/750V/03Ph/50hz. Make : MAA LAXMI INDUSTRIES	As per spec No EDTS 105,Rev`e` Am-2	01 set
26.	Fitment of external supply sockets (125A/415V/IP67/5Pole with pilot contacts.) Make:- MV	As per drg no 1948036/UIV 4125-6.	02
27.	Feeder junction boxes. Make : INDORAIL	EDTS-328 REV-C	01 set
28.	Wheel set earthing equipment. Make : DARSHAN	EDTS101,REV-C,AM-1	02 sets
29.	Wheel Slide Protection System (WSP) Make : FAIVELEY Sr no : 13087	As per M/s Sab Webco, M/s Knorr Bremse, M/s Escorts.	01 Set
30.	Provision of fitment of modular Integrated Pantry unit.	As per spec no EDTS 118,REV-E,AM-2	01 Set
31.	Hot Plate:		03
(a)	Make:- SPECTRUM		
(b)	Geysers Make: SPECTRUM		01
(c)	Hot Water Boilers, Make: SPECTRUM		02
(d)	Bottle Coolers, Make: SPECTRUM		01 set
(e)	Deep Freezers Make: SPECTRUM		01 set
(f)	Hot Case, Make: SPECTRUM		01 set
(g)	Chimneys, Make: SPECTRUM		03
h)	Oven Toaster Griller Make: BAJAJ		01
(i)	Refrigerator Make: SAMSUNG		01
(j)	Insect Killer Make: PROVIDED BY HINDUSTAN		02
(k)	Water Purifier(RO). Make: PROVIDED BY HINDUSTAN		01
32.	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)	01set

 SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आ०रे०डि०का० / लालगंज / रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL	 AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL आ०रे०डि०का० / रायबरेली A.W.M./Electrical/MCF/RBL
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