LBC-92

	Modern Coach Factory Raebareli **आधुनिक रेल डिब्बा कारख़ाना, रायबरेली**	DOC NO.: MCF/RBL/QMF 8002/PC REV NO: 01 DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/898

RLY	N	R	-	Coach No.	1	8	2	7	1	5	/	C	DATE OF DISPATCH	1	4	-	1	2	-	1	8

DISPATCH TO	Sr. DME/CHG/DLI	Type	L	W	L	R	R	M	Shell No.	8	8	0	5	4	-	2	0	1	8	-	1	9

1. Railway Board's Order No. : **2017/M(C)/142/2 Dated. - 14-12-2018**
2. Tare Weight of Coach : 53.2 Tonnes
3. Carrying Capacity : (a) Seating: NIL (b) Sleeping: NIL (c) Luggage: 3.9 tones

4. 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	1) 1105 (NPPE) 2) 1101 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM		MAKE/SUPPLIER		SERIAL NO			
1.	Under frame	Front Part	PP END	M/S- CHENNAI RADHA	01			
			NPP END	M/S- CHENNAI RADHA	01			
		Complete	M/S- CHENNAI RADHA		01			
2.	Lav. side wall		M/S- COMPETENT ENGG.		LAV.1	---	LAV.2	---
			M/S- COMPETENT ENGG.		LAV.3	---	LAV.4	---
3.	Side wall	LH SIDE	MCF/RBL		50/01			
		RH SIDE	MCF/RBL		50/02			
4.	End wall	PP END	M/s- AMIT ENGG. MOHALI		---			
		NPP END	M/s- OMAX. MOHALI		---			
5.	Roof		M/s- INDIRA		23			
6.	Centre Buffer Coupler		M/S- SANROK ENT.		PP END	1296	NPP END	1299
7.	Buffers		M/S- RANEKA INDS.LTD. DHAR		N.A		NPP END	88054

6. AIR BRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED VALUE
1.	Full brake application	Reduce pressure of BP from 5.0 to 3.4 kg/cm². Max. pressure in BC All Brake are applied	6 – 10 sec. 3.0 ±0.15 kg/cm². OK	07 sec. 3.0 kg/cm² OK
2.	Insensitivity	Exhaust BP @ 0.3 kg/cm²/min.	No brake application	OK
3.	Sensitivity	Exhaust BP@ 0.1kg/cm²/Sec, after 06 Sec.	Brake must apply	OK
4.	Handbrake(Parking brake)for generator car	1.Apply hand brake 2.Release hand brake	1.Hand Bk. indicator should be red 2.Hand Bk. .indicator should be green	OK OK

7. FIRE TESTING:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED VALUE
1	generator car	Smoke detection	1.controller should display smoke in zone 1,2 2.strobe light & hooter should activate	OK
		Heat detection	1.controller should display smoke/heat in zone 1,2 2 strobe light & hooter should activate	OK

8. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY)	AVERAGE GLOSS VALUE
1.	Paint	P.U	M/S-NEROLAC	SUPPLY & APPLY	88/76
2.	Insulation		Satisfactory		

SSE/QC/MCF/RBL

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गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)

	MODERN COACH FACTORY, RAEBARELI आधुनिक रेल डिब्बा कारख़ाना, 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/898

Coach No.	1	8	2	7	1	5	/	C	-	DATE OF DISPATCH	1	4	.	1	2	.	1	8

RLY	N	R		-	Type	L	W	L	R	R	M	Shell No.	8	8	0	5	4	-	-	-	-	-	-	-	-

8. DETAIL OF BOGIES :

ITEMS	NPP Side				PP Side			
Bogie No	180988				180987			
Bogie Type	FIAT				FIAT			
Frame no.	SCI/FM-2024				MCF/RBL-737			
Bolster no.	SFPL-382				SFPL-370			
Axle No	17 B – 9810 RWF		18 E – 5507 RWF		18 E –8063 RWF		18 E – 7832 RWF	
Wheel Dia	917.443	917.556	917.492	917.607	917.458	917.544	917.511	917.658
Wheel Disc No	TZ07-18 33148-8QM2	TZ06-18 28587-8QN9	TZ06-18 28616-8QM8	TZ07-18 31541-8QN2	TZ07-18 31538-8QN4	TZ07-18 35664-8RH4	TZ07-18 31540-8QN2	TZ07-18 33147-8QM2
R.B. Nos.	06-18 12102	06-18 11505	06-18 11786	07-18 13753	06-18 10776	06-18 12395	06-18 11601	06-18 11285
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

9. 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.	CMRSK08-18-F16-S34-16Y-338	CMGBD03-18-837-22-136	CMRSK08-18-F16-S34-16Y-362	CMGBD03-18-837-22-80	CMAFJ05-18-7146-30	RSK07-16-F15-N99-15Y-01	CMAFJ05-18-7146-101	RSK07-16-F15-N99-15Y-502
Compressed Ht. at Tested Load	515	471	515	471	511	465	512	465
Alignment deviation (mm)	2	9	2	9	11	32	11	32

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	GEREP	1691,1849	1674,1696
2.	Primary outer Spring	CMGBD	02-18 142-21(62,254,243,59)	02-18 142-21(189,174,172,205)
3.	Primary Inner Spring	YR	17-12 (3.15-1096,4.25-1098,3.46-1097,1.81-1089)	17-12 (3.27-1127,1.88-1086,2.73-1099,1.74-1100)
4.	Primary Damper	KNORR	05-18 (19520,19577,19571,19522)	05-18 (19542,19553,19516,19568)
5.	Secondary Damper	KNORR	05-18 4693,06-18 5208	05-18(4694),06-18(5003)
6.	Lateral Damper	KNORR	05-18 3261	05-18 3260
7.	Brake Cylinder	FAV	F18(012,031,037,112)	F18-(114,025,038,060)
8.	Brake Caliper	FAV	G18(044,042,034,036) - B	G18(035,033,041,043) - B
9.	Brake Disc	KBI	24158716 0033-37/18,24158715 0036-37/18 24158718 0032-37/18,24158717 0046-37/18	24158717 0040-37/18,24158718 0031-37,18 24158718 0035-37/18,24158717 0045-37/18
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	PRAG		
12.	Traction Centre make	SARITA		
13.	Traction lever make	SARITA		
14.	Ball joint traction lever	S-BLOCK		
15.	Ball joint traction centre	AR		
16.	Secondary Rubber Pad	DUREL		
17.	Rubber Spring	AR		
18.	Anti roll bar make	SARITA		
19.	Roll Link make	SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE	100918-1,120918-1,090918-3,110918-1	120918-1,110918-1, 110918-1, 110918-1,
22.	Control Arm Lower	RVE	150918-1,160918-1,070918-2,RVE	040918-1,040918-1,040918-4,040918-1

Signature of SSE/Bogie/QC

	Modern Coach Factory Raebareli **आधुनिक रेल डिब्बा कारख़ाना, रायबरेली**	DOC NO.: MCF/RBL/QMF 8002/PC REV NO: 01 DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/898

RLY	N	R	-	Coach No.	1	8	2	7	1	5	/	C	DATE OF DISPATCH	1	4	-	1	2	-	1	8

DISPATCH TO	Sr. DME/CHG/DLI	Type	L	W	L	R	R	M	Shell No.	8	8	0	5	4	-	2	0	1	8	-	1	9

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	G 18006 B
2.	Distribution Valve	M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP)	18075645 B
3.	Hand Brake Equipment	M/S- PALSTO POWER P.B.	
4.	Foot Step	M/S- SUPER SPARK PVT.LTD. FARIDABAD	
5.	Floor Board	M/S- TWPL, MUMBAI	
6.	PVC	M/S- RESPONSIV POLYFILM, NDLS	
7.	UIC Vestibule (NPPE)	M/S-SUNCREST IND.KOLKATA	
8.	Gangway Bridge Mounting (NPPE)	M/S- MAHAVEER MATEL WORKS, KAPURTHALA	
9.	AL. Chequer Plate/Sheet	M/S- HANSPAL COACH PRODUCTS, KXH	
10.	Automatic Fire Detection & Suppression System	M/S- SANROK, FARIDABAD	
11.	Body Side Window	M/S- BIRKAN ENGG.PVT.LTD.GAZIABAD	
12.	Lavatory/Hopper Window	M/S- BIRKAN ENGG.PVT.LTD.GAZIABAD	
13.	Roof Ceiling	M/S-GANDHI SAFE & ALLIED, JALANDHAR (GUARD ROOM) , (CREW ROM)	
14.	Generator Room Ceiling	M/S- RAIL TECH PVT.LTD. KXH	
15.	RMPU	M/s- INTECH, DEHRADUN	
16.	AC Trough	M/s- GEE PEE, GURGAON	
17.	Luggage Sliding Door	M/s- GURU NANAK IND. PVT.LTD. PB	
18.	Hatch Door	M/s- RAIL TECH PVT.LTD. KXH	
19.	Body Side Doors	M/S- JVR INDUSTRIES ,LDH	
20.	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
21.	Crew/Gen. Room Door	M/S- JBM INDUSTRIES, FARIDABAD	
22.	Crew/Guard Room Door	M/S- KALSI , LDH	
23.	Bio Tank (01 No Lav.)	M/S- AMIT ENGG. MOHALI	
24.	Auxiliary Water Tank(1x30l)	M/S- AMIT ENGG. MOHALI	
25.	Under Slung Water Tank (1x450 L)	M/S- AMIT ENGG. BADDI	
26.	Fuel Tank (2x1500 L)	M/S- SHIVALIC FASTNERS PVT.LTD. MOHALI	
27.	Flexible Faucet	M/S- HINDUSTAN FIBRE LTD. VADODARA	
28.	Lotah Filler Tap	M/S- HINDUSTAN FIBRE LTD VADODARA	
29.	Bib Cock	M/S- AGMECO INDIA LTD.	
30.	Composite Modular Toilet	M/S- HINDUSTAN FIBRE LTD VADODARA	
31.	Lavatory Doors	M/S- KALSI, LDH	
32.	Seat & Berth	M/S- UKATA TRACTOR, PANCHKULA	
33.	Luggage Rack	M/s- RAIL TECH, KXH	
34.	Folding Table	M/S- TECHNO IND. ALD	

Kleima

SSE/QC/MCF/RBL

वरि०उप०अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (चालांज)

	Modern Coach Factory Raebareli **आधुनिक रेल डिब्बा कारख़ाना, रायबरेली**	DOC NO.: MCF/RBL/QMF 8002/PC REV NO: 01 DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/898

RLY	N	R	-	Coach No.	1	8	2	7	1	5	/	C	DATE OF DISPATCH	1	4	-	1	2	-	1	8

DISPATCH TO	Sr. DME/CHG/DLI	Type	L	W	L	R	R	M	Shell No.	8	8	0	5	4	-	2	0	1	8	-	1	9

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

16. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, 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 30 months 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 date of 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.

SSE/QC/MCF/RBL	AME/QC/MCF/RBL	Dy.CQM/MCF/RBL

वरिष्ठ अनुभाग अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)

सहायक यांत्रिक अभियंता/गुणवत्ता-II
Assistant Mechanical Engineer / Quality-II
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

जोगिन्दर सिंह
Joginder Singh
उप मुख्य गुणवत्ता प्रबन्धक
Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

LPC-92

Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारख़ाना, रायबरेली	DOC NO.: MCF/RBL/QEF/8001	
	REV NO: 00	
	DATE:11.09.2017	

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB POWER CAR

ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

TYPE COACH	**LWRRM**	**SHELL/COACH NO**	**182715/C**
RAILWAY	**NR**	**DATE OF DESPATCH**	

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 PREACTICE 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	**10.28** Cub mtr/min	OK
3.2	Return Air	**32.82** Cub mtr/min	OK
3.3	Exhaust Air	NIL Cub mtr/min	OK
3.4	Conditioned Air	**60.96** 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 **Not done due to Ambient temp. below 22° 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 due to Ambient temp. below 22° C**		OK

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB POWER CAR

ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

Sr no	Description of test	Remarks
6.0	HUMIDITY CONTROL	OK
7.0	PUMP EQUIPMENTS	OK
8.0	WORKING OF EXHAUST FAN OVER	OK
10.0	LIGHT	OK
11.0	PUBLIC ADDRESSING SYSTEM **(PAS)**	OK
12.0	WHEEL SLIDE PROTECTION SYSTEM **(WSP)**	OK
13.0	WORKING OF 60KVA TRANSFORMERS	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGERS	OK
16.0	SAFETIES :	
16.1	THERMOSTAT :	OK
16.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
16.3	HYGROSTAT	OK
16.4	CONTROL CIRCUIT	OK
16.5	POWER CIRCUIT	OK
16.6	ALTERNATER EARTH LEAKAGE RELAY	OK
16.7	FEEDER EARTH LEAKAGE RELAY	OK
16.8	UNDER VOLTAGE RELAY	OK
16.9	OVER VOLTAGE RELAY	OK
16.10	BUS COUPLAR	OK
16.11	FEEDER CONTACTOR	OK
16.12	SMOKE TEST	OK
17.0	REFRIGERANT USED **R 407C**	OK

Senior Section Engineer
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ROLLING STOCK CERTIFICATE OF LHB/ POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof mounted AC package unit for LHB AC coaches Make : **INTEG** Sr no of RMPU (PP side): **18F 1049T2** Sr no of Microprocessor: **18.06.1651-SIDWAL**	RDSO/pe/spes/ac/0061/rev-1/2005	**02**
02.	Power and Control Panel for LHB Power car, Make: **ISG** Sr no : **PCP-MCF-18-11-0042**	EDTS-103 ,REV-c	**01**
04.	Switch board cabinet Make : **SSK** Sr no : **2018/09/055**	EDTS 104, REV-a	**01**
05.	Pump equipment with PLC controller & pump box Make: **DR AUTO** Sr no PA- **2018/10/39** Sr no.1- **18090413** Sr no.2- **18090425** Sr no.CPA-**2018/10/050**	EDTS 186,Rev-a, Am- 2	**01**
06.	Lavatory light fitting assly Make : **RT VISION**	LW 76001,Alt nil	**01**
07.	Passenger alarm coach indication light Make : **DR AUTO**	LW 76005,Alt-e	**02**
08.	Razor socket for WC 110/240V Make : **SSK**	EDML 047 ,Rev nil	**01**
09.	Terminal strip Make : **WAGO**	EDML 034,Rev-a	**01**
10.	Terminal connector Make : **WAGO**	EDML 037,Rev`a'	**01**
11.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make: **SSK**	EDML 047,Rev- C, Item 1.	**02**
12.	PA system for LHB coaches Make : **AHUJA**	EDTS 173,TYPE -II	**01 set**
13.	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 : **11/2018**	EDTS 129,Rev nil	**01 set**

Senior Section Engineer
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ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
14.	SET OF BATTERY FOR DA (A & B) (A)Make: **CELTEK** Lug date: **08/18** (B) Make: **CELTEK** Lug date: **07/18**		**02 sets**
15.	Battery box for LHB coaches. MAKE- **ANKUR ENGG.**	1 10113.0.76.700.005 w/o item 5,22 ,23 ,26 & 27.ALT C	**01**
16.	Battery fuse box +ve Make : **INTEG**	LW 71001,Alt-F	**01**
17.	Battery fuse box –ve Make : **NEC**	LW 71002,Alt-F	**01**
18.	60KVA TFR Make- **VIMAL** Sr no:1.**VTC-3089-LHB-6843** Make- **VIMAL** Sr no:2. **VTC-3089-LHB-6875** Make- **VIMAL** Sr no:3. **VTC-3089-LHB-6819**	EDTS 076, Rev-0. 1.for panel 2.for Rad. Motor A 3.for Rad. Motor B	**03**
19.	Capacitor Bank Make: **S.INTERNATIONAL** SL.no **335-02/18**	EDML-130 Rev-1,Corr-1	**01**
20.	Emergency Battery Charger Make- **BHASIN** Sr no:1. **10181628** Make- **BHASIN** Sr no:2. **10181645**	EDTS-163 REV-C, corg-2&3	**02**
21.	Wheel set earthling equipment. Make: **DARSHAN INTERPRISES.**	EDTS101,REV-C,AM-1	**02**
22.	Wheel Slide Protection System (WSP Make- **FAIVELEY** Sr no :**28/18/1226**	MDTS 077 REV-2	**01 set**
23.	500KVA/750V/03Ph DIESEL ALTERNATOR set, complete with Power & Control panel.	EDTS 102, Rev`c'	**02**
23.a1	Sr no of Alternator "A" Make- **NIDEC** Sr No-**LED3L 918J 4303**	EDTS 102, Rev`c'	**01**
23.a2	Sr no of Diesel Engine "A" Make- **KIRLOSKAR** Sr no- **DUO.9019/1820060**	EDTS 102, Rev`c'	**01**

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ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.b 1	Sr no of Alternator "B" Make- **NIDEC** Sr No-**LED3L 918I 2857**	EDTS 102, Rev`c'	**01**
23.b 2	Sr no of Diesel Engine "B" Make- **KIRLOSKAR** Sr no : **DUO.9019/1820055**	EDTS 102,	**01**
24.	Control Panel for ventilator Fan motor for Diesel Engine "A" Make- **INDORAIL** Sr no-**2018080304**	EDTS 110,REV-NIL	**01**
25.	Ventilator Fan Motor for Diesel Engine "A" 1.Make: **ABB** Sl no: **1595846** 2.Make: **ABB** Sl no: **1595804**	EDTS 110,Rev nil	**01**
26.	Radiator Fan Motor for Diesel Engine -"A" Make: **ABB** SL no: **3G1J18290001607988**	EDTS 104, Rev`a'	**01**
27.	Control Panel for Radiator Fan motor for Diesel Engine "A" Make- **ABROL** Sr no- **2018-07-93**	EDTS-104,REV-A	**01**
28.	Ventilator Fan Motor for Diesel Engine "B" 1.Make: **ABB** Sl no: **1594398** 2.Sl no **1595828**	EDTS 110,Rev nil	**01**
29.	Control Panel for ventilator Fan motor for Diesal Engine "B" Make- **INDORAIL** Sr no- **2018080287**	EDTS 110,REV-NIL	**01**

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ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
30.	Radiator Fan Motor for Diesel Engine -"B" Make: **ABB** Sr no- **3G1J18210001588086**	EDTS 104, Rev`a'	**01**
31.	Control Panel for Radiator Fan motor for Diesal Engine "B" Make-**ABROL** Sr no-**2018-07-122**	EDTS-104,REV-A	**01**
32..	Starter Battery Charging Control Panel -A & B Make :**INDORAIL** Sr no: **2018050060**	EDTS 116,Rev nil	**01**
33.	Feeder Junction box. Make: **AECO**	EDML 020, Rev`a'.	**01 set**
34.	Single Inlet Radial Blower, 415V/03Ph/185W/ 1045Cub mtr/hr discharge from S1 & S2 & Lavatory. Make- **INTEG**	EDTS-331, TYPE-2	**01**
35.	Lights Make : **DR AUTO**	RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-N & LW 76099	**20**
36.	Smoke Detector Unit. Make: **AG RAIL** Sr no: **500847**	EDTS 087,Rev`a',Type II	**01**
37.	Provision of Tail light switch2P/16A/ SG16, mounted in ABC plastic enclosure with round padlock, 90DEG, ON/OFF. Make: **SSK**	As per Cat no. SG 16	**02**
38.	ZS coupling 400A , 750V ,03Ph,50Hz. Make 1.(NPP): **S.INTERNATIONAL** 2.(PP): **S.INTERNATIONAL**	EDTS 105, Rev`c'.	**01 set**
39.	Connector for External supply socket. Make: **MV**	EDML 013, Rev nil.	**02**

SSE/EL/QC	**SEE(P)/MCF/RBL/ DYCEE/P&P/MCF/RBL**

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