



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/2020-21/337

RLY	NWR	COACH NO	192220/C	DATE OF DISPATCH	22-Aug-20
Type	LWLRRM	Shell No.	20H001	DISPATCH TO	SSE/C&W/JP
				FUR.NO.	LPC-321

1.	Railway Board's Order No.	: 2018/M(C)/142/2 Dated: -14-09-2018
2.	Tare Weight of Coach	: 53.2 Tones
3.	Carrying Capacity	: (a) Seating: NIL (b) Sleeping: NIL (c) Luggage: 3.9 tones
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	
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 1100/1100

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1	Under frame	Front PP END M/S-PENNAR IND HYD	3
		Part NPP END M/S-PENNAR IND HYD	3
		Complete M/S-PENNAR IND HYD	3
2	Lav. side wall	M/S-DTL PUNE	LAV.1
		M/S-DTL PUNE	LAV.2
			LAV.3
			LAV.4
3	Side wall	LH SIDE M/S-KIPL HYDRABAD	2
		RH SIDE M/S-KIPL HYDRABAD	2
4	End wall	PP END M/S-SIPL PALWAL	
		NPP END M/S-DTL PUNE	
5	Roof	M/S-AIRF	20
6	Centre Buffer Coupler	M/S-FRONTIER LTD	NPP/PP 54-P1 34-P1
7	Buffer	M/S-SIENA ENGG.	NPP/PP 20H001 N.A

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.	07 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
4	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 NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED VALUE
	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

9. 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	VIBGYOR	M/S-VIBGYOR (S&A)	90/88	11-Jun-20
2	Insulation			Satisfactory		

*SSE/QC/MCF/RBL*

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रे०डि०का०, रायबरेली (लाजगंज)





## ROLLING STOCK CERTIFICATE

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RLY	N	W	R	Coach No.	1	9	2	2	2	0	/	C	-	DATE OF DISPATCH	2	2	0	8	2	0	2	0
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DISPATCH	SSE/C&W/JP	Type	L	W	L	R	R	M	Shell No.	2	0	H	00	1	FUR NO	LPC-321
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## 9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	200308				200307			
Bogie Type	FIAT				FIAT			
Frame no.	VS-2009				VS-2012			
Bolster no.	AMIT-140				AMIT-143			
Axle No	20 V - 5449 RWF		20 V-3666 RWF		20 V -6016 RWF		20V-4419 RWF	
Wheel Dia	917.275	917.271	917.28	917.31	917.23	917.299	917.355	917.25
Wheel Disc No	TZ 07-19 42429-8SI3	TZ 06-19 54588-9QH9	TZ 05-19 41673-9PN3	TZ 02-19 25840-9MP5	TZ 05-19 41681-9ph3	TZ 03-19 33226-90F5	TZ 01-19 22213-8XH3	TZ 07-18 42430-8RN1
R.B. Nos.	12-19 35448	11-19 32962	11-19 44029	11-19 44133	11-19 42819	11-19 33089	11-19 3258	11-19 43386
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 F15-155-9	CMFSK07-19- 8837-0332	CMFSK02-20F15- 155-15	CMFSK07-189- 8837-033-7	CMFSK08-19- 7146-069-128	CMAFJ08-19-7145-73	CMFSK08-19- 7146-069-816	CMAFJ08-19- 7145-32
Compressed Ht. at Tested Load	513	468	516	471	511.5	468	512.5	466
Alignment deviation (mm)	7	13	8	15	8	10	3	10

## 11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	IAI	301945,301984	301818,301859
2.	Primary outer Spring	CMFSK	12-19 7142-049-(164,61,167,73)	12-19 7142-049-(55,66,44,124)
3.	Primary Inner Spring	CMFAJ	01-20 7143-(496,502,311,500)	01-20 7143-(508,152,503,53)
4.	Primary Damper	IAI	12-19 (287413,288214,286068,287124)	12-19 (287091,288507,287136,287191)
5.	Secondary Damper	IAI	11-19(280895,280829)	11-19(280737,280880)
6.	Lateral Damper	KONI	03-19 02371	03-19 02209
7.	Brake Cylinder	KBI	C(1374,9771,9773,1350)K29	C(1348,3519330220,3519330216,1369)K29,
8.	Brake Caliper	KBI	A(2539,1312,1310,2542)-29	A(2540,3519330186,3519330185,2541)-29
9.	Brake Disc	FAV	03-19(2179,4269,1805,2223)D133561-300	03-19(2222,3389,4668,9265)D133561-300
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	GMT		
12.	Traction Centre make	SARITA		
13.	Traction lever make	JI		
14.	Ball joint traction lever	GMT		
15.	Ball joint traction centre	GMT		
16.	Secondary Rubber Pad	PRAG		
17.	Rubber Spring	GMT		
18.	Anti roll bar Make	SARITA		
19.	Roll Link make	SARITA +GMT		
20.	Fork make	SARITA		
21.	Control Arm Upper	KUMAR	2781,228,2760,2783	2772,3781,3707,2785
22.	Control Arm Lower	KUMAR	3700,2892,2230,2712	2718,2701,2888,2795
23.	Phonic Wheel	KBI	K01-20	K01-20

Signature of SSE/Bogie/QC







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RLY	NWR	COACH NO	192220/C	DATE OF DISPATCH	22-Aug-20
Type	LWLRRM	Shell No.	20H001	DISPATCH TO	SSE/C&W/JP
				FUR.NO.	LPC-321


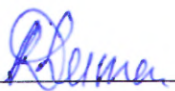


13. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO(NPP/PP)
1	Air Brake Module	M/S-KBI	0521-18/20
2	Distribution valve	M/S-KBI	2020D10986
3	Hand Brake Equipment	M/S-PLASTO POWER SAINGUR	
4	FIBA	NIL	
5	Floor board	M/S-TWPL MUMBAI	
6	AL. Chequer Plate/Sheet	M/S-RAIL TECH KXH	
7	PVC	M/S-RESPONSIVE POLYFILM GZB	
8	UIC Vestibule (NPPE)	M/S-SUNCREAST KOLKATA	
9	Foot Step	M/S- SUPER SPARK PVT.LTD.FARIDABAD	
10	Gangway bridge mounting (NPPE)	M/S-SUNCREAST KOLKATA	
11	Body Side Window	M/S- SHATABDI SAFETY GLASS, VADODARA	
12	Roof Ceiling	M/S-GANDHI ENT. JUC	
13	Lavatory/hopper Window	M/S- BIRKON SAFETY GLASS JUC	
14	Automatic smoke & heat Detection with alarm System	M/S-SANROK ENT. FARIDABAD	
15	Generator Room Ceiling	M/S- RAIL TECH KXH	
16	Hatch Door	M/S-RAIL TECH KXH	
17	AC Trough	M/S-CMT VADODARA	
18	RMPU	M/S-AMIT ENGG	
19	Luggage Sliding Door	MCF/RBL	
20	Body Side Doors	M/S- JBM INDUSTRIES, FARIDABAD	
21	Vestibule Door(NPPE)	M/S- JBM INDUSTRIES, FARIDABAD	
22	Crew/Gen. Room Door	M/S- JBM INDUSTRIES, FARIDABAD	
23	Crew/Guard Room Door	M/S- JBM INDUSTRIES, FARIDABAD	
24	Bio Tank (01 No Lav.)	M/S-RAIL FAB KXH	
25	Auxiliary Water Tank(1x30l)	M/S-OASIS	
26	Under Slung Water Tank (1x450L)	M/S-OASIS	
27	Fuel Tank (2x1540 L)	M/S-P.D.STEEL	
28	Health Faucet	NA	
29	Lotah Filler Tap	M/S- KAPCO VALVES JUC	
30	Bib cock	M/S-AGMECO PVT.LTD	
31	Lavatory Doors	M/S-KALSI LDH	
32	Seat & Berth	M/S-OVPL MUMBAI	
33	Luggage Rack	M/S-RAIL FAB KXH	
34	Folding Table	M/S-RAIL EXPERT LTD JUC	
35	Venturi grill	NIL	
36	RFID	NIL	

SSE/QC/MCF/RBL

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गुणवत्ता विभाग  
रे०डि०का०, रायबरेली (लालगंज)



		<b>Modern Coach Factory Raebareli</b> <b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b>		DOC NO.: MCF/RBL/QMF 8002 REV NO: 01 DATE: 17.04.2018		
<b>ROLLING STOCK CERTIFICATE</b> Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21/337						
RLY	NWR	COACH NO	192220/C	DATE OF DISPATCH		22-Aug-20
Type	LWLRRM	Shell No.	20H001	DISPATCH TO	SSE/C&W/JP	FUR.NO. LPC-321
14. MODIFICATION (IF ANY) : NIL						
15. DEVIATION (IF ANY) : NIL						
16. ITEM FITTED ON THE COACH ON TRIAL : NIL						
<b>S NO</b>	<b>ITEM PARTICULARS</b>		<b>PURPOSE</b>	<b>REPORT</b>	<b>REFERENCE &amp;</b>	
				Frequency	PERIOD OF TRIAL	
<b>16. WARRANTY:</b>						
<b>S NO</b>	<b>COMPONENTS</b>			<b>WARRANTY</b>		
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.		
<b>NOTE:</b> 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						
<b>S.No</b>	<b>Time period</b>	<b>Gloss Retention</b> (initial gloss >85 unit at 60°)	<b>Colour Retention rating on 0-10 scale</b> (initial rating of painted panels/coach or ISC/RAL shade card shall be taken as 10)	<b>Adherence of paints (with each other and with substrate )</b> 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.						
		 <b>SSE/QC/MCF/RBL</b>		 <b>SME/AME/QC/MCF/RBL</b>		 <b>Dy.COM/MCF/RBL</b>

वरिष्ठ अनु अभियंता  
गुणवत्ता विभाग  
मंडिकोका, रायबरेली (लालगंज)

सहायक यंत्रिक अभियंता/गुणवत्ता-1  
Assistant Mechanical Engineer / Quality-1  
आधुनिक रेल डिब्बा कारखाना, रायबरेली  
Modern Coach Factory, Raebareli



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB POWER CAR  
ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR							
TYPE COACH		LWLRRM		SHELL/COACH NO		192220/C	
RAILWAY		NWR	ELECT.FIT DATE	20-08-2020	MCF FUR. NO		LPC-321
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			14.58 Cub mtr/min		OK	
3.2	Return Air			29.60 Cub mtr/min		OK	
3.3	Exhaust Air			NIL Cub mtr/min		OK	
3.4	Conditioned Air			61.63 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 : 21.4°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						----

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**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	OK
9.0	LIGHT	OK
10.0	PUBLIC ADDRESSING SYSTEM ( PAS )	OK
11.0	WHEEL SLIDE PROTECTION SYSTEM ( WSP )	OK
12.0	WORKING OF 60KVA TRANSFORMERS	OK
13.0	WORKING OF RBC/EBC.	OK
14.0	SAFETY :	--
14.1	OHP	OK
14.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
14.3	LP/HP GAUGE & TRIPPING	OK
14.4	HYGROSTAT & SENSORS.	OK
14.5	CONTROL CIRCUIT	OK
14.6	POWER CIRCUIT	OK
14.7	AEL,FEL & FOL RELAY	OK
14.8	UVR/OVR	OK
15.0	HOG CONTROL CIRCUIT	OK
16.0	FEEDER CONTACTORS & HOG CONTACTORS.	OK
17.0	BUS COUPLER	OK
18.0	SAFETY LOOP	OK
19.0	SMOKE TEST	OK
20.0	REFRIGERANT USED R 407C	OK

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ROLLING STOCK CERTIFICATE OF LHB POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Provision of Terminal connector complete. Make: <b>M/S INDIAN TELEPHONE &amp; ELECT.</b>	As per EDML-033, Rev.- D,MCF/RBL-Corr-2 or latest.	<b>01 set</b>
02.	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>AMARA RAJA</b> Lug date : <b>11/18</b>	EDTS 129,Rev nil	<b>01 set</b>
03.	SET OF BATTERY FOR DA (A & B) (A)Make: <b>CELTEK</b> Lug date: <b>06/20</b> (B) Make: <b>MICROTEX</b> Lug date: <b>07/19</b>		<b>02 sets</b>
04.	Battery box for LHB coaches. Make: <b>HITECH</b>	As per drg. No. 1 10113.0.76.700.005 w/o item 5,22 ,23 ,26 & 27.AL T C	<b>01</b>
05.	500KVA/750V/03Ph DIESEL ALTERNATOR set, complete with Power & Control panel.	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>02 set</b>
06.	Switch Board Cabinet For 2 X 500 KVA DA set control. Make : <b>ABROL</b> Sr no: <b>0014-06/2020</b>	As per spec no. EDTS 103, Rev.- D,Amd-7,Corr-1(HOG Compliant) -01 no	<b>01</b>
07.	Switch Board Cabinet (Power Panel) Make : <b>AMIT ENGG.</b> Sr no: <b>AE/SB-666-11/2018</b>	As per spec no. RDSO/PE/SPEC/AC/0184- 2015(REV.0)	<b>01</b>
08.	Alternator "A" Make: <b>GREAVES</b> Sr no : <b>3309121906689</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>
09.	Diesel Engine "A" Make: <b>GREAVES</b> Sr no : <b>1309121906689</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>
10.	Control panel for Ventilator Fan Motor for Diesel Engine "A" Make: <b>BHASIN</b> Sr no: <b>08197942/1</b>	As per spec no. EDTS 110,Rev- nil	<b>01</b>
11.	Ventilator Fan Motor for Diesel Engine "A" Make: <b>KIRLOSKAR</b> Sr no.1: <b>EML271-319</b> Make: <b>KIRLOSKAR</b> Sr.no.2: <b>EML271-327</b>	As per spec no EDTS -102 REV-D,PART -A	<b>02</b>
12.	Control Panel for Radiator Fan Motor for Diesel Engine -A Make : <b>BHASIN</b> Sr no : <b>01208310/1</b>	As per spec no. EDTS 104, Rev'A'	<b>01</b>
13.	Radiator Fan Motor for Diesel Engine -A Make: <b>GREAVES</b> Sr no : <b>SEGM 48552</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>

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Sr no	Description	Drg/Spec no.	Quantity per Coach
14.	Alternator "B" Make: <b>GREAVES</b> Sr no : <b>3309121908907</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>
15.	Diesel Engine "B" Make: <b>GREAVES</b> Sr no : <b>1309121908907</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>
16.	Control panel for Ventilator Fan Motor for Diesel Engine "B". Make : <b>BHASIN</b> Sr no : <b>08197942/2</b>	As per spec no. EDTS 110,Rev nil,AM-1.	<b>01</b>
17.	Ventilator Fan Motor for Diesel Engine "B" Make: <b>GREAVES</b> Sr no.1: <b>RKBM 22780</b> Make: <b>KIRLOSAKAR</b> Sr no.2: <b>EML271-242</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>
18.	Control Panel for Radiator Fan Motor for Diesel Engine "B" Make: <b>BHASIN</b> Sr no : <b>01208310/2</b>	As per spec no. EDTS 114, Rev.-B	<b>01</b>
19.	Radiator Fan Motor for Diesel Engine "B" Make: <b>GREAVES</b> Sr no : <b>SEGM 48557</b>	As per spec no. EDTS 102, Rev'D' AM-4,PART-A	<b>01</b>
20.	24V DC starter Battery Charger for 500KVA DA set. Make: <b>EI</b> Sr.no.: <b>4319-11/19</b>	As per Spec no. 106 Rev.- Nil,AM-1 or latest.	<b>01</b>
21.	Starter Battery Charging Control Panel (S-40) Make : <b>SYSTEMS</b> Sr no: <b>SSPC/EDTS116/MCF/0819/04</b>	As per spec no. EDTS 116,Rev nil	<b>01</b>
22.	Feeder Junction box. Make: <b>MV ELECTROSYSTEMS</b>	As per EDML-021,Rev.-L.	<b>01 set</b>
23.	Provision of Single Inlet Radial Blower, 415V/03Ph/185W/ 1045 Cub mtr/hr discharge from S1 & S2 & Lavatory. Make: <b>INTEG</b>	As per EDTS 331,Corr-3,Type-II. Cat. no. 64D180BD,Rev nil.	<b>01</b>
24.	Battery fuse box +ve Make : <b>RICHMOND ENTERPRISES</b>	As per LW 71001,Alt-G	<b>01</b>
25.	Battery fuse box -ve Make : <b>RICHMOND ENTERPRISES</b>	As per LW 71002,Alt-G	<b>01</b>
26.	IVC dummy Socket assembly Make: <b>PRIME ELECT.</b>	As per Drg. No. LW71302,Alt-nil	<b>03</b>
27.	Provision of 60KVA TFR Make: <b>VIMAL</b> Sr no: 1. <b>VTC-R-3089-LHB-4047</b> Make: <b>VIMAL</b> Sr no: A. <b>VTC-R-3089-LHB-4341</b> Make: <b>VIMAL</b> Sr no: B. <b>VTC-R-3089-LHB-7207</b>	As per spec no. RDSO/PE/SPEC/AC/0080-2007,Rev.-1 with RCF/KXH Corr. 1 & 2. 1.for panel 2.for Rad. Motor A 3.for Rad. Motor B	<b>03</b>

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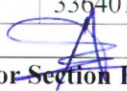


	<b>Modern Coach Factory Raebareli</b> <b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b>	DOC NO.: MCF/RBL/QEF/8001
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ROLLING STOCK CERTIFICATE OF LHB POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
28.	Regulated battery charger(RBC CUM EBC) Make : <b>WAVES</b> Sr no: <b>W4K5B 201477</b>	RDSO/PE/SPEC/AC/0183 (REV '1' )	<b>01</b>
29.	Capacitor Bank. Make : <b>NEC</b> Sr no : <b>2019100730</b>	As Per EDML 130,Type-II,Rev.-1,Cor-3	<b>01</b>
30.	Mounting of Pump equipment with pump box.	As per drg no. 1.10113.0.30.100.001, Alt 'a'	<b>ok</b>
31.	Provision of Pump equipment with PLC controller & pump box Make: <b>DR AUTO</b> Pump assly Sr. no: <b>19/08/0008</b> Pump 1 Sr.no.: <b>F 9411-CEC</b> Pump 2 Sr.no.: <b>F 9402-CEC</b> P/Contrl.: <b>2019/12/007</b>	As per spec no. EDTS 186 Rev.-A,AM-2,Corr-2 or latest.	<b>01 Set</b>
32.	Provision & mounting of Doorway/ Gangway light Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	<b>20</b>
33.	Provision of Lavatory Light Fitting assembly. Make: <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D As per drg no. LW 76001,Alt nil.	<b>01</b>
34.	Provision of Cable Jacket ,Size Nominal width 25mm ,Length -1000 mm	As per drg no. EDTS 0138,Rev- nil,Corr.-1 Item 9	<b>ok</b>
35.	Provision of PACIL Assly. Make: <b>DR AUTO</b>	As per drg no. LW 76005,Alt nil.	<b>02</b>
36.	Railway carriage Fan 400mm Sweep, 110V DC with crash worthy features. Make: <b>SARIA INDUSTRIES</b>	As per RDSO/PE/SPEC/TL/0021- 2005,Rev-3,AM-1 or latest.	<b>01</b>
37.	Provision of Cable Binders.	As per CC76129 or as approved of OEM by MCF/RCF .	<b>ok</b>
38.	Provision of Razor socket. Make: <b>SSK</b>	As per cat no EDML 047 ,Rev nil.	<b>01</b>
39.	Provision of Smoke Detector Unit. Make: <b>INTEG</b> Sr no: <b>2019076441</b>	As per spec EDTS 087,Rev 'B',Cor-1	<b>01 Set</b>
40.	Provision of Tail light LED Type with flashing unit and VHF charging socket. Make: <b>DEW COMPANY</b>	As per EDTS 215,AM-1.Drg. No.73200 alt c	<b>01 Set</b>
41.	Switch plate assembly Make: <b>SSK</b>	As per EDML-045,Corr-I(pl. no. 33640180)	<b>01</b>

  
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ROLLING STOCK CERTIFICATE OF LHB POWER CAR

Sr no	Description	Drg/Spec no.	Quantity per Coach
42.	Mounting of inter Vehicle coupler	As per drg no 1.10113.0.74.000.001 Alt nil.	ok
43.	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.	01 Set
44.	Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: <b>MV</b>	As per 1948036 /UIB4125-6.	02
45.	Provision of Wheel Set Earthing Equipment. Make NPP : <b>PRIME ELECT.</b> PP : <b>PRIME ELECT.</b>	As per spec no. EDTS 101 ,Rev.-C,AM-1,Corr-6.	01 Set
46.	Public addressing System Make: <b>AHUJA</b>	EDTS -173,Rev-B or latest	01 Set
47.	Provision of Anti Skid Disk Brake System.(WSP) Make : <b>KNORR</b> Sr no : <b>0120094401</b>	As per MDTs 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS"	01 Set
48.	Roof mounted AC Package unit Make : <b>AMIT ENGG.</b> PP: <b>3995 I</b> CPU No: <b>AE 20.02.417</b>	RDSO/PE/SPEC/AC/0061 2005,REV-1,TYPE-1	01

<b>SSE/EL/QC</b>	<b>AWM(ELECT.)/MCF/RBL</b>
<b>वरिष्ठ अनुभाग अभियन्ता</b>	<b>SEE(P)/MCF/RBL</b>

गुणवत्ता नियंत्रण  
आ०रे०डि०का० / लालगंज / रायबरेली  
S.S.E./Elect-QC/M.C.F./LLJ/RBL

स० कार्य प्रबन्धक / विद्युत  
आ०रे०डि०का० / रायबरेली  
A.W.M./Electrical/MCF/RBL

