

LSCN-28



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 00

DATE: 16.05.2016

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2018-19/592

Rolling Stock Certificate No. MCI/RDE/2017/10																									
RLY	C	R	-	Coach No.	1	8	1	7	8	2	/	C	DATE OF DISPATCH	3	0	-	0	9	-	1	8				
DISPATCH TO		Sr.DME/Cog./BB			Type	L	W	S	C	N	1	Shell No.	8	7	1	6	1	-	2	0	1	8	-	1	9

1. Railway Board's Order No. : 2018/M(C)/142/2 Dated-14-09-2018
2. Tare Weight of Coach : 41.24 Tones
3. Carrying Capacity : (a) Seating : 80 (b) Sleeping : 80 (c) Luggage : NIL

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) 1101 (NPPE) 2) 1100 (PPE)

5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Underframe	PP END M/S DTL ancillaries ltd pune	04
	Front Part	NPP END M/S DTL ancillaries ltd pune	04
	Complete	M/S DTL ancillaries ltd pune	04
2.	Lav.side wall	M/S JSL COMP.	LAV.1
		M/S JSL COMP.	LAV.3
3.	Side wall	LH SIDE MCF/RBL (CONTRACTOR V4U)	113
		RH SIDE MCF/RBL (CONTRACTOR V4U)	113
4.	End wall	PP END M/s Shivalic fastners pvt.ltd. mohali	---
		NPP END M/s Shivalic fastners pvt.ltd. mohali	---
5.	Roof	MCF/RBL	42
6.	Centre Buffer Coupler	M/S Sanrok faridabad	PP END 7188 NPP END 7112

6. AIRBRAKE 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 . ➤ Max. pressure in BC ➤ All Brake are applied	6 - 10 sec. 3.0 ± 0.15 kg/cm ² . OK	07 Sec. 3.0 kg/cm ² 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

7. PAINTING DAETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY)	AVERAGE GLOSS VALUE
1.	Paint	P.U	M/s -GS	Supply & apply	88/87
2.	Insulation			Satisfactory	

Sema
SSE/QC/MCF/RBL



MCF/RBL



MODERN COACH FACTORY, RAEBARELI

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8. DETAIL OF BOGIES :

ITEMS	NPP Side				PP Side			
Bogie No	181185				181186			
Bogie Type	FIAT				FIAT			
Frame no.	SCI-1966				SCI-1976			
Bolster no.	AMIT-449				AMIT-215			
Axle No	17 Z- 4781 RWF		17 Z - 9643 RWF		17 Y- 7225 RWF		17 Z - 8227RWF	
Wheel Dia	917.724	917.643	917.719	917.650	917.635	917.531	917.727	917.642
Wheel Disc No	TZ07-18 31573-8QN2	TZ07-18 33740-8QN2	TZ07-18 33741-8QM2	TZ07-18 34493-8RH2	TZ07-18 34497-8RH1	TZ07-18 34496-8RH1	TZ07-18 34495-8RH1	TZ07-18 34494-8RH1
R.B. Nos.	04-18 25585	05-18 12403	04-18 24411	05-18 12579	04-18 25589	05-18 12388	04-18 25608	05-18 12410
CT R B Make	SKF		SKF		SKF		SKF	

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.	CMFSK02-18-5111-2	CMGBD03-18-5100-70-643	CMFSK02-18-5111-382-7	CMGBD05-18-5100-64-537	CMFSK01-18-5101-343-25	CMGBD05-18-5100-70-541	CMFSSSSK01-18-5101-343-105	CMGBD05-18-5100-66-546
Compressed Ht. at Tested Load	516	472	516	472	516	472	516	470
Alignment deviation (mm)	13	6	12	5	8	12	7	12

10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	GEREP	124,176	243,167
2.	Primary outer Spring	CMGBD	06-18 1100(69-185,72-111,72-113,72-112)	06-18 1100-72(130,721,126,226)
3.	Primary Inner Spring	CMGBD/CMFSK	05-18-1101 (57-153,56-791,56-602),04-18 1101-36 16	04-18-1101-402 (458,773,125,153)
4.	Primary Damper	KNORR	07-18(26891,26890,26899,26900)	07-18(26897,26889,26896,26895)
5.	Secondary Damper	GEREP	KW 17-2017 301550739	KW 17-2017 301550739
6.	Lateral Damper	KNORR	06-18 4108	06-18 4269
7.	Brake Cylinder	FAV	H18-(361,256,257,362)	H18(312,203,204,311)
8.	Brake Caliper	FAV	K18(228,226,225,227)B	K18(128,125,126,127)B
9.	Brake Disc	FAV	08-18(152,151,153),09-18 1858-D133561-300	09-18 189,08-18 (187,130,139) D133561-300
10.	Ball Joint Control Arm	AR		
11.	Lateral Bump Stop	GMT/AR		
12.	Traction Centre make	SF/SARITA		
13.	Traction lever make	JI/SARITA		
14.	Ball joint traction lever	AR		
15.	Ball joint traction centre	AR		
16.	Secondary Rubber Pad	WINLANE		
17.	Rubber Spring	AR		
18.	Anti roll bar make	EMSON		
19.	Roll Link make	SF/AR, SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE/ PTC	160818-2,040818-4,170818-2,280718-1	189,153,192,116
22.	Control Arm Lower	RVE/ PTC	140818-1,030818-1,030818-1,140818-1	14-818-2,(PTC 153,107),14-818-2

Resubdy
Signature of SSE/Bogie/QC





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11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s Faively transport tech.india ltd baddi(HP)	D18038B
2.	Pull box	M/s Faively transport tech.india ltd baddi(HP)	
3.	Distribution valve	M/s Faively transport tech.india ltd baddi(HP)	18045538B
4.	Foot Step	M/s Super spark pvt. ltd. Faridabad	
5.	Decoupling arrangement	M/s-ELASTOMER MUMBAI	
6.	Floor board	M/S TWPL MUMBAI	
7.	PVC	M/s ACME INDIA NDLS	
8.	Lavatory Inlay	M/s OASIS INDS. JAGADHARI	
9.	UIC Vestibule (PPE)	M/s-ELASTOMER MUMBAI	
10.	UIC Vestibule (NPPE)	M/s-ELASTOMER MUMBAI	
11.	Gangway bridge mounting (PPE)	M/s COMPETENT ENG.JALANDHAR	
12.	Gangway bridge mounting (NPPE)	M/s COMPETENT ENG.JALANDHAR	
13.	Body Side Window	M/s ACME INDIA NDLS	
14.	Emergency Window	M/s ACME INDIA NDLS	
15.	Hopper Window	M/s ACME INDIA NDLS	
16.	Side panel	M/s ACME INDIA NDLS	
17.	Roof ceiling	M/s ACME INDIA NDLS	
18.	Door way ceiling	M/s ACME INDIA NDLS	
19.	Partition frame	M/s ACME INDIA NDLS	
20.	Partition pillar	M/s ACME INDIA NDLS	
21.	Body Side Door 3	M/s JVR LDH	
22.	Body Side Door 1,2,4	M/s JBM Faridabad	
23.	Vestibule Door(PPE)	M/s KALSI LDH	
24.	Vestibule Door(NPPE)	M/s KALSI LDH	
25.	Bio Tank	M/s FLASH FORGE VIZAG	
26.	Auxiliary Water Tank	M/s MANOJ ENT . mohali	
27.	Under Slung Water Tank(2X685L)	M/s AMIT ENG BADDI	
28.	Under Slung Water Tank (1X685L)	M/s AMIT ENG . mohali	
29.	Flexible Faucet	M/s ACME INDIA NDLS	
30.	Lotah Filler Tap	M/s ACME INDIA NDLS	
31.	Controlled Discharge Tap	M/s HINDWARE ,(HSIL LTD) GURGAON	
32.	Lavatory Doors	M/s ACME INDIA NDLS	
33.	Seat & Berth	M/s ACME INDIA NDLS	
34.	Snack Table	N/A	

Rama

SSE/QC/MCF/RBL

वरिष्ठ अनुसंधान विभाग
गुणवत्ता विभाग
रेडिओका, रायबरेली (लालगंज)



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12. MODIFICATION (IF ANY) : Partition frame & Partition pillar

13. DEVIATION (IF ANY) : NIL

14. ITEM FITTED ON THE COACH ON TRIAL : NIL

S NO	ITEM PARTICULARS	PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL

15. 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:

- This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
- This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
- 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.
- Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
- For any complain/ suggestion please Mail at qualityrcfrbl@gmail.com
- 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

वरि०अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालमजरा)

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