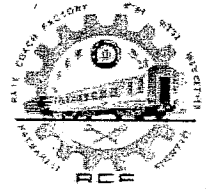


रेल डिब्बा कारखाना, रायबरेली
RAIL COACH FACTORY, RAEBARELI



L3T-17k

FORM NO: RCF/RBL/QMF 8001
VERSION: 2012-01-01

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: RCF/RBL/QC/RSC

Date: 20/03/2015

SHELL No.	L	W	A	C	C	N	-	4	0	4	0	-	2	0	1	4	DATE OF DISPATCH	0	2	0	2	2	0	1	5
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RLY	S	E	R	Type	L	W	A	C	C	N	Coach No.	1	4	8	1	3	0	/	C
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- Railway Board's Order No : 2014/M(C)/142/1 dated 08.09.2014
- Tare Weight of Coach : 45.6 Tonnes
- Carrying Capacity : (a) Seating : 72 (b) Sleeping : 72 (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	4250
4.	CBC height/Buffer height from Rail level 1105 +0/-15	1) 1102(NPPE) 2) 1105(PPE)

5. TRACEABILITY OF SHELL ITEMS:

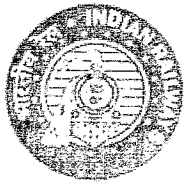
S NO	ITEM	MAKE/SUPPLIER	SERIAL NO			
1.	Buffers	N.A.				
2.	Centre Buffer Coupler	----	PP END	A14040A	NPP END	C14042B

6. AIRBRAKE TEST REPORT:

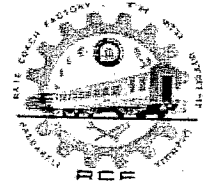
S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	<ul style="list-style-type: none"> ➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm². ➤ Max. pressure in BC ➤ All Brake are applied 	6 – 10 sec. 3.0 ±0.15 kg/cm ² . OK	8Sec. 3.0 kg/cm ² OK
2.	Insensitivity	<ul style="list-style-type: none"> ➤ Exhaust BP @ 0.3 kg/cm²/min. 	No brake application	OK
3.	Sensitivity	<ul style="list-style-type: none"> ➤ Exhaust BP @ 0.1 kg/cm²/Sec, after 02 Sec. 	Brake must apply	OK

7. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE
1.	Paint	P.U.	VIBGYOR	88/89
2.	Insulation	Satisfactory		



रेल डिब्बा कारखाना, रायबरेली RAIL COACH FACTORY, RAEBARELI



FORM NO: RCF/RBL/QMF 8001
VERSION: 2012-01-01

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: RCF/RBL/QC/RSC

Date: 20/03/2015

SHELL No.	L	W	A	C	C	N	-	4	0	4	0	-	2	0	1	4	DATE OF DISPATCH	0	2	0	2	2	0	1	5
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RLY	S	E	R	Type	L	W	A	C	C	N	Coach No.	1	4	8	1	3	0	/	C
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8. DETAIL OF BOGIES :

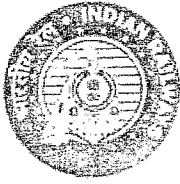
ITEMS	PP SIDE				NPP SIDE			
Bogie No	146789				146799			
Bogie Type	Fiat				Fiat			
Axle No	106026/631		105834/627		Z-3318		RWF-109190	
Wheel Dia	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.70
Wheel Disc No	297-11603	267-11603	241-11603	355-11603	271-16339	243-11603	151-16339	348-11603
R.B. Nos.	27604	37565	36258	36960	35963	35764	00300	35761
CT R B Make	SKF		SKF		TIMKEN		TIMKEN	

9. SECONDARY SUSPENSION LOAD DEFLECTION VALUES

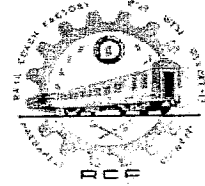
DESCRIPTION	BOGIE PP SIDE				BOGIE NPP SIDE			
	SECONDARY 1		SECONDARY 2		SECONDARY 1		SECONDARY 2	
	OUTER	INNER	OUTER	INNER	OUTER	INNER	OUTER	INNER
Make & Nos.	G-13-4-741	G-13-4-5078	G-13-4-757	G-13-4-5029	YR-13-12-010	YR-13-11-78	YR-13-12-088	YR-13-11-74
Compressed Ht. at Tested Load	513	466	512	465	513.40	466	512.40	466
Alignment deviation (mm)	20	11	20	10	13.01	20.21	12.99	15.40

10. TRACEABILITY OF BOGIE ITEMS:

S NO	ITEM	SERIAL NO		MAKE
		PP SIDE	NPP SIDE	
1.	Primary outer Spring	G-12-6	YR-13-11	GF,YR
2.	Primary Inner Spring	G-12-5	YR-13-12	GF,YR
3.	Primary Damper			SACHS,KONI
4.	Secondary Damper			SACHS
5.	Lateral Damper			KONI
6.	Yaw Damper			KONI
7.	Brake Cylinder & Caliper			FTI
8.	Brake Disc			KBI
9.	Ball Joint Control Arm			GMT,MGN
10.	Lateral Bump Stop			MTC,GMT
11.	Traction Centre make			EMSON,SARITA
12.	Traction lever make			SGA,SARITA
13.	Ball joint traction lever			SGA,GMT
14.	Ball joint traction centre			SGA
15.	Secondary Rubber Pad			TESPAK
16.	Rubber Spring			GMT
17.	Anti roll bar make			EMSON
18.	Roll Link make			SARITA
19.	Fork make			SARITA,EMSON



रेल डिब्बा कारखाना, रायबरेली RAIL COACH FACTORY, RAEBARELI



FORM NO: RCF/RBL/QMF 8001
VERSION: 2012-01-01

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: RCF/RBL/QC/RSC

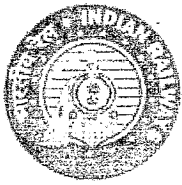
Date: 20/03/2015

SHELL No.	L	W	A	C	C	N	-	4	0	4	0	-	2	0	1	4	DATE OF DISPATCH	0	2	0	2	2	0	1	5
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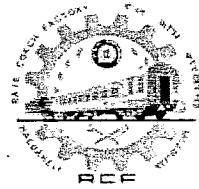
RLY	S	E	R	Type	L	W	A	C	C	N	Coach No.	1	4	8	1	3	0	/	C
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11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s Faiveley Harita Hasur Tamilnadu	C14042B
2.	Pull box	M/s Faiveley Harita Hasur Tamilnadu	
3.	DV	M/s Faiveley Harita Hasur Tamilnadu	14035532B
4.	PVC	M/s Responsive Industries, Mumbai	
5.	UIC Vestibule (PPE)	M/s Ameenji Pvt. Ltd. Hyderabad	
6.	UIC Vestibule (NPPE)	M/s Ameenji Pvt. Ltd. Hyderabad	
7.	Foot Step	M/s Super Spark Pvt. Ltd. Faridabad	
8.	Decoupling arrangement	M/s SECO Industries, Mumbai	
9.	Body Side Window	M/s Rail Tech, Kapurthala	
10.	Emergency Window	M/s Rail Tech, Kapurthala	
11.	Lavatory Window	M/s Rail Tech, Kapurthala	
12.	Roof Ceiling	M/s KAE Engg. Pvt. Ltd. Sitarganj, U.K.	
13.	Non-AC Area Ceiling	M/s Amirchand Jalandhar	
14.	Supply Air Duct	M/s Amirchand Jalandhar	
15.	Body Side Doors	M/s JBM Faridabad	
16.	Compartment Door (PPE)	M/s Rail Tech, Kapurthala	
17.	Compartment Door (NPPE)	M/s Rail Tech, Kapurthala	
18.	Vestibule Door(PPE)	M/s Kalsi Ludhiana	
19.	Vestibule Door(NPPE)	M/s Kalsi Ludhiana	
20.	CDTS	M/s Darshan Enterprises new Delhi	
21.	Auxiliary Water Tank	M/s Manoj Enterprises, Mohali Punjab	
22.	Under Slung Water Tank(450 L)	M/s Shivalik Fastener Mohali PB	
23.	Under Slung Water Tank(2X685L)	M/s Shivalik Fastener Mohali PB	
24.	Flexible Faucet	M/s Hindustan Fibre Ltd. Vadodra (Gujrat)	
25.	Lotah Filler Tap	M/s Hindustan Fibre Ltd. Vadodra (Gujrat)	
26.	Lavatory Modoules	M/s Hindustan Fibre Ltd. Vadodra (Gujrat)	
27.	Lavatory Doors	M/s Hindustan Fibre Ltd. Vadodra (Gujrat)	
28.	Waste Bin Arrangement	M/s Hindustan Fibre Ltd. Vadodra (Gujrat)	
29.	Fire Extinguisher	M/s Hindustan Fibre Ltd. Vadodra (Gujrat)	
30.	Side Wall panel	M/s KAE Engg. Pvt. Ltd. Sitarganj, U.K.	
31.	Seat & Berth	M/s Savitri Engg. Products – Paonta sahib	
32.	Light Luggage Rack	M/s Virendra Steel Enterprises Chandigarh	
33.	Snack Table	M/s Anjani Technology Noida	



रेल डिब्बा कारखाना, रायबरेली RAIL COACH FACTORY, RAEBARELI



FORM NO: RCF/RBL/QMF 8001
VERSION: 2012-01-01

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: RCF/RBL/QC/RSC

Date: 20/03/2015

SHELL No.	L	W	A	C	C	N	-	4	0	4	0	-	2	0	1	4	DATE OF DISPATCH	0	2	0	2	2	0	1	5
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RLY	S	E	R	Type	L	W	A	C	C	N	Coach No.	1	4	8	1	3	0	/	C
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12. MODIFICATION (IF ANY) : NIL

13. DEVIATION (IF ANY) : NIL

14. ITEM FITTED ON THE COACH ON TRIAL : NIL

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

15. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake blocks, wheels, push gravity cocks, flushing valves, moldings, window glasses, mirrors, roller blinds, curtain & bulbs etc. (items which are consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months date of dispatch of coach or 30 months from 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 RCF/RBL.
5. For any complain/ suggestion please mail at qualityrcfrbl@gmail.com

DY CME
RCF/RBL

DY CME/FURN
RCF/RBL

SSE/QC
RCF/RBL

सीनियर सेक्शन इंजीनियर (क्वालिटी कंट्रोल)
रेल डिब्बा कारखाना, रायबरेली



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory, Kapurthala

Page 2 of 3

12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		RCF/RBL		LACCN		12-09-2014			
12.1	Wheel & Axle Details:	PP Side			NPP Side				
i.	Bogie No.	146789 ✓			146790				
ii.	Frame No.	FIAT-3437			FIAT-3341				
iii.	Bolster No.	3962-VT			4002/VT				
iv.	Axle No.	106026/631		105834/627	106690/632		106046/681		
v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00		
vi.	Wheel Disc No.	297-11603	267-11603	241-11603	355-11603	123-51777	319-11610	059-11603	322-11610
vii.	R.B. Nos.	27604	37565	36258	36960	36530	38076	28006	37080
viii.	R.B. Make	SKF		SKF	SKF		SKF		
ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	Secondary suspension load deflection Values:								
	Description	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & nos.	G-13-4-741	G-13-4-5078	G-13-4-757	G-13-4-5029	G-13-4-753	G-13-4-5172	G-13-4-830	G-13-4-5163
ii.	Ht. attest load	513	466	512	465	513	465	512	465
iii.	Align. deviation	20	11	20	10	18	15	18	14
12.3	Items traceability:								
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make		
i.		Primary Outer Spring	G-12-6		G-12-6		GF		
ii.		Primary inner Spring	G-12-5		G-12-5		GF		
iii.		Primary Damper					SACHS		
iv.		Secondary damper					KONI		
v.		Lateral Damper					NIL		
vi.		Yaw Damper					---		
vii.		Brake cylinder & Caliper					KBI		
viii.		Brake Disc					GMT		
ix.		Ball joint Control arm					MTC, GMT		
x.		Lateral Bump stop					EMSON		
xi.		Traction center make					SARITA		
xii.		Traction lever make					SGA		
xiii.		Ball joint traction lever					SGA		
xiv.		Traction centre elastic					TESPAK		
xv.		Secondary rubber pad					GMT		
xvi.		Rubber spring					EMSON		
xvii.		Anti roll bar make					SARITA		
xviii.		Ball joint roll link					SARITA		
xix.		Fork make					---		
12.4	i.	Modification / Trial (if any):			NIL				
	ii.	Deviations (if any):			NIL				

AP
28/12/15
SS210C



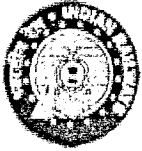
रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		4077/RBL		LACCN		29-10-2014			
12.1	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	146900				146899			
	ii. Frame No.	FIAT-3316				FIAT-3482			
	iii. Bolster No.	4284-P				3786-GT			
	iv. Axle No.	Z-3788		Z-3553		Z-3318		RWF-109190	
	v. Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi. Wheel Disc No.	119-11603	224-11603	342-11603	342-11603	271-16339	243-11603	151-16339	348-11603
	vii. R.B. Nos.	34520	00647	36004	00570	35963	35764	00300	35761
	viii. R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix. RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	Secondary suspension load deflection Values:								
	Description	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & nos.	YR-13-12-007	YR-13-11-77	YR-13-12-001	YR-13-11-73	YR-13-12-010	YR-13-11-78	YR-13-12-008	YR-13-11-74
ii.	Ht. attest load	511.20	466	512	465	513.40	466	512.40	466
iii.	Align. deviation	4.76	28.80	3.86	24.66	13.01	20.21	12.99	15.40
12.3	Items traceability:								
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make		
	i.	Primary Outer Spring	YR-13-11		YR-13-11		YR		
	ii.	Primary inner Spring	YR-13-12		YR-13-12		YR		
	iii.	Primary Damper					KONI		
	iv.	Secondary damper					SACHS		
	v.	Lateral Damper					KONI		
	vi.	Yaw Damper					NIL		
	vii.	Brake cylinder & Caliper					FTI		
	viii.	Brake Disc					KBI		
	ix.	Ball joint Control arm					MGN		
	x.	Lateral Bump stop					GMT		
	xi.	Traction center make					SARITA		
	xii.	Traction lever make					SARITA		
	xiii.	Ball joint traction lever					GMT		
	xiv.	Traction centre elastic					SGA		
	xv.	Secondary rubber pad					TESPAK		
	xvi.	Rubber spring					GMT		
	xvii.	Anti roll bar make					EMSON		
	xviii.	Ball joint roll link					SARITA		
	xix.	Fork make					EMSON		
12.4	i.	Modification / Trial (if any):					NIL		
	ii.	Deviations (if any):					NIL		

22/10/14
SSE/DC



**Govt. of India- Ministry of Railways
(RAIL COACH FACTORY-RAEBARELI)**



RCF/RBL/QEF7001

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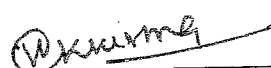
PAGE 1 OF 5

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

TYPE COACH	LWACCN	SHELL/COACH NO	148130/C
RAILWAY	SER	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 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	30.39 Cub mtr/min	OK
3.2	Return Air	79.06 Cub mtr/min	OK
3.3	Exhaust Air	10.56 Cub mtr/min	OK
3.4	Conditioned Air	213.07 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 ^o 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 ^o c		OK


Senior Section Engineer
Quality control / Electrical
RCF, Raebareli



Govt. of India- Ministry of Railways
(RAIL COACH FACTORY-RAEBARELI)



RCF/RBL/QEF7001

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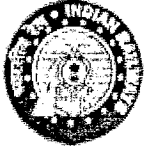
FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB EOG AC COACHES

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 COMPOSITE PANTRY	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 TRANSFORMER.	OK
14.0	WORKING OF REGULATED BATTERY CHARGER	OK
15.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
16.0	SAFETIES :	OK
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
RCF, Raebareli



**Govt. of India- Ministry of Railways
(RAIL COACH FACTORY-RAEBARELI)**



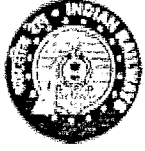
RCF/RBL/QEF7001
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PAGE 3 OF 5

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof mounted AC package unit for LHB AC coaches Make : INTEC Sr no of RMPU (NPP side) : 14-L-216 Sr no of RMPU (PP side) : 14-K-281 Sr no of Microprocessor: 14-H-135/AMIT	As per rdso/pe/spes/ac/0061/ rev-1/2005	02
02.	Switch board cabinet Make: INSTRUMENTATION LTD Sr no : 147048	As per spec no . EDTS073,REV-D,AM- 6	01
03.	Pump equipment with PLC controller & pump box Make: DR AUTO Sr no PA- 2014/05/003 Sr no.1- 131106637 Sr no.2- 131106721 Sr no.CPA- 14/05/0033	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	02
05.	Vestibule Light Fitting Single	LW 76004,Alt-b	07
06.	Ceiling light fitting DOUBLE w/o diffuser.	LW 76011,Alt -c	09
07.	Ceiling light fitting with NL w/o diffuser w/o item 2&3	LW 76013,Alt -c	09
08.	Emergency light system for EOG type coaches (AEL)	EDTS 151,Rev -c Am- 1 & 2	04
09.	Lavatory light fitting assly	LW 76001,Alt nil	04
10.	WC gauge signal light	LW 76006,Alt-c	02

(Signature)

**Senior Section Engineer
Quality control / Electrical
RCF, Raebareli**



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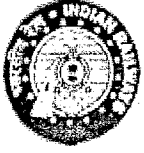
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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
11.	Passenger alarm coach indication light	LW 76005,Alt-e	02
12.	Fluorescent lamp 18W	RDSO/PE/SPEC/ D/TL 0011- 2000,Rev I, Sec- I , 07/2001	34
13.	Diffuser complete w/o item 1& 2.	LW 76012,Alt-a	25
14.	Razor socket for WC 110/240V.	EDML 047 ,Rev nil	04
15.	Terminal strip	EDML 034,Rev-a	01
16.	Terminal connector	EDML 037,Rev `a`	04
17.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame	EDML 047,Rev nil, Item 1.	09
18.	Single switch 16A/250V/AC ONE WAY complete with steel plate & cover frame	EDML 045,Rev nil ,Item 2.	09
19.	PA system for LHB coaches Make : AHUJA	EDTS 173,Rev-a Am-1,2&3	01 set
20.	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 : 09/2014	EDTS 129,Rev nil	01 set
21.	Battery box for LHB coaches.	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	01

D. K. Sharma

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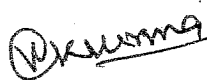
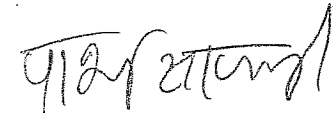
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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
22.	Battery fuse box +ve Make : NEC	As per LW 71001,Alt-F	01
23.	Battery fuse box -ve Make : INTEG	As per LW 71002,Alt-F	01
24.	Regulated battery charger Make : HI-RELL Sr no: 14088640	As per RDSO/pe/spec/ac/01 29, Rev.-1 (2009)	01
25.	Emergency battery charger Make : WAVES Sr no: WEBCF-14580	EDTS 163,Rev `c` corg.-2&3	01
26.	60KVA transformer. Make : VIMAL Sr no : 2294	As per rdso/pe/spec/ac/008 0/rev-0 (2007)/Am- 1&2/Corr. 1,2&3	01
27.	ZS coupling 400A/750V/03Ph/50hz. Make : S INTERNATIONAL	As per spec No EDTS 105,Rev `e` Am-2	02 sets
28.	Feeder junction boxes. Make : MAA LAXMI INDUSTRIES	EDML 020,Rev-I	02
29.	Wheel set earthing equipment. Make : MAA LAXMI INDUSTRIES	EDTS101,REV- C,AM-1	02
30.	Wheel Slide Protection System (WSP) Make: FAIVELEY & Sr no : 47/13/333	M/s : FAIVELEY	01 set
31.	PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : SIDWAL	As per spec no EDTS 139, Rev- E ,Sec II.	01

 SSE/EL/QC	 DYCEE(P)/RCF/RBL
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