



# 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/2018-19/149  
(HUMSAFAR)

Coach No.					1	7	1	4	2	/	C	-	DATE OF DISPATCH					3	1	-	0	5	-	1	8
RLY	E	C	R	-	Type	L	W	A	C	C	N	Shell No.	8	3	0	1	8	-	2	0	1	7	-	1	8

1. Railway Board's Order No. : 2017/M(C)/142/2 Dated. 18.12.2017

2. Tare Weight of Coach : 45.6 Tones

3. 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/-10	1) 1099 NPPE) 2) 1103 (PPE)

### 5. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Underframe	Front Part M/S DTL ancillaries ltd pune	PP END 04 NPP END 04
	Complete	M/S MCF/RBL	
2.	Side wall	M/S MCF/RBL	RH 83018 LH 83018
3.	End wall	PP END M/S Rail tech pvt.ltd. KXH	PP END 83018 NPP END 83018
		NPP END M/S Rail tech pvt.ltd. KXH	
4.	Roof	M/S MCF	
5.	Centre Buffer Coupler	M/S Dellnar INDIA PVT LTD.	PP END 1382 NPP END 1303
6.	Buffers	n.a	

### 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 <sup>2</sup> . ➤ Max. pressure in BC ➤ All Brake are applied	6 – 10 sec. 3.0 ±0.15 kg/cm <sup>2</sup> . OK	08 sec. 3.0 kg/cm <sup>2</sup> 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

### 7. 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	88/84
2.	Insulation			Satisfactory	

23/06  
वरिष्ठ अधिकारी  
SSE/QC/MCF/RBL  
गुणवत्ता विभाग

रेडिंकॉ, रायबरेली (लालगंज)



MCF/RBL



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

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Coach No. 1 7 1 4 2 / C - - DATE OF DISPATCH 3 1 . 0 5 . 1 8

RLY E C R - Type L W A C C N Shell No. 8 3 0 1 8 - - - - - - - -

## 8. DETAIL OF BOGIES :

ITEMS	NPP Side				PP Side			
Bogie No	180050				180049			
Bogie Type	LWACCN				LWACCN			
Frame no.	VS/RBL-975				VS/RBL-955			
Bolster no.	MCF/RBL-1607				MCF/RBL-1381			
Axle No	18 F- 2804 RWF		18F- 2663 RWF		18 F-2522RWF		18 F - 2974 RWF	
Wheel Dia	917.508	917.516	917.545	917.534	917.552	917.577	917.571	917.599
Wheel Disc No	TZ-03-17 01442-7NM5	TZ 03-17 04594-70H8	TZ 03-17 01533-6QJ0	TZ 03-17 01529-7NM5	TZ-03-17 04591-7NN1	TZ 03-17 01532-6QJ0	TZ 03-17 04590-7NN1	TZ 03-17 06947-70G0
R.B. Nos.	02-18 03288	02-18 04543	02-18 04107	02-18 03791	02-18 03872	01-18 01359	02-18 04038	02-18 03568
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.	CMGBD02-18 836-29-42	CVFSK07-17-95- 13-2911-188	CMGBD02-18- 836-24-175	CVFSK07-17- 9513-2911-58	CMGBD02-18 836-19-26	CMRSK03-16F19- R68-19W-1220	CMGBD02-18- 836-19	CMRSK03-16- F19R68-19W-1131
Compressed Ht. at Tested Load	514	464	514	464	514	468	514	466
Alignment deviation (mm)	12	12	11	12	8	40	7	38

## 10. TRACEABILITY OF BOGIE ITEMS:

S. NO	ITEM	MAKE/ SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	SV	115,194	94,93
2.	Primary outer Spring	CMGBD/ CMRSK	11-17 67,12-16 20,11-17 71,12-17 113	08-17 03X(4202,5106,3813,4086)
3.	Primary Inner Spring	CMRSK/ CMFSK	02-18 7143-393(408,179,382,61)	02-18 7143-395 (598,401,420,195),
4.	Primary Damper	KBI/KNORR	01-18(15503) 02-18(16531,16518),01-18 15502	01-18 15608,02-18 15779,01-18 15043,02-18 16548
5.	Secondary Damper	KBI/KNORR	03-18 (3703,3715)	03-18 (3718,3707)
6.	Lateral Damper	IAI	03-18 202180	03-18 202074
7.	Brake Cylinder	KBI	A3311K29,A3005K29,A3004K29,A3315K29	A3654K29,A3125K29,A3119K29,A3571K29
8.	Brake Caliper	KBI	A2169-29,A2156-29,A2154-29,A2168-29	A2269-29,A2235-29,A2270-29,A2256-29
9.	Brake Disc	FAV	04-18(4262,4263,4053,4052)D133561-300	04-18(3975,3974,2644,2645)D133561-300
10.	Ball Joint Control Arm	MB		
11.	Lateral Bump Stop	PRAG		
12.	Traction Centre make	SARITA/SF		
13.	Traction lever make	SARITA/SF		
14.	Ball joint traction lever	S-BLOC		
15.	Ball joint traction centre	S-BLOC/MTC		
16.	Secondary Rubber Pad	TECSPAK		
17.	Rubber Spring	BONY		
18.	Anti roll bar make	SARITA		
19.	Roll Link make	SARITA/ S-BLOC		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE	180418-2,130418-2,180418-2,180418-2,	180418-2,180418-2,120418-2,170418-3
22.	Control Arm Lower	RVE	210418-2,210418-2,210418-2,210418-2	210418-1,210418-1,210418-1,210418-1

Signature of SSE/Bogie/QC





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RLY	E	C	R	-	Type	L	W	A	C	C	N	Shell No.	8	3	0	1	8	-	2	0	1	7	-	1	8

### 11. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/s KBI Faridabad. New Delhi	PASS 18 B 3021
2.	Pull box	M/s KBI Faridabad. New Delhi	
3.	Distribution valve	M/s KBI Faridabad. New Delhi	2018B4381
4.	Foot Step	M/s SSIPL Mumbai	
5.	Decoupling arrangement	M/s Kohinoor Industries Faridabad	
6.	Floor board	M/S Twpl mumbai	
7.	PVC	M/s Premier polyfilm, New Delhi	
8.	UIC Vestibule (PPE)	M/s-Suncrest ind.kolkata	
9.	UIC Vestibule (NPPE)	M/s-Suncrest ind.kolkata	
10.	Gangway bridge mounting (PPE)	M/s Mahaveer matel works Kapurthala	
11.	Gangway bridge mounting (NPPE)	M/s Mahaveer matel works Kapurthala	
12.	Body Side Window	M/s Hindustan fibre ltd vadodara	
13.	Emergency Window	M/s Hindustan fibre ltd vadodara	
14.	Lavatory/hopper Window	M/s Hindustan fibre ltd vadodara	
15.	Roof Ceiling	M/s Hindustan fibre ltd vadodara	
16.	Door way /gang way ceiling	M/s GANDHI Jalandhar	
17.	Supply Air Duct	M/s Hanspal coach products KXH	
18.	Automatic fire & smoke detection sys	M/S Sanrok faridabad	
19.	Partition panel	M/s Hindustan fibre ltd vadodara	
20.	Partition pillar	M/s Hindustan fibre ltd vadodara	
21.	Automatic odour cont.system	M/s Hindustan fibre ltd vadodara	
22.	Side Wall panel	M/s Hindustan fibre ltd vadodara	
23.	AC Trough	M/s MSL CDG	
24.	Body Side Doors,1,2	M/s JBM Faridabad	
25.	Body Side Doors,3,4	M/s SUKATA CDG	
26.	Compartment Door (PPE)	M/s KALSI LDH	
27.	Compartment Door (NPPE)	M/s KALSI LDH	
28.	Vestibule Door(PPE)	M/s JBM FARIDABAD	
29.	Vestibule Door(NPPE)	M/s JBM FARIDABAD	
30.	CCTV (06 NOS)	M/s PANJAB RADIO	
31.	Bio Tank	M/s Rasandik eng.ltd	
32.	Auxiliary Water Tank	M/s Shivalic fastners pvt.ltd. mohali	
33.	Under Slung Water Tank ( 2X685L)	M/s Amit Engg, Baddi	
34.	Under Slung Water Tank (1x450 L)	M/s Amit Engg, mohali	
35.	Flexible Faucet	M/s-HF Glass vadodara	
36.	Lotah Filler Tap	M/s-HF Glass vadodara	
37.	Bib cock	M/s JAQUAR LTD ALWAR	
38.	Lavatory Modoules	M/s Hindustan fibre ltd vadodara	
39.	Lavatory Doors	M/s Hindustan fibre ltd vadodara	
40.	Waste Bin Arrangement	M/s Hindustan fibre ltd vadodara	
41.	Fire Extinguisher	M/s ATASEE	NPP-2942,PP-2761
42.	Seat & Berth	M/s Hindustan fibre ltd vadodara	
43.	Light Luggage Rack	M/s Hindustan fibre ltd vadodara	
44.	Snack Table	M/s Hindustan fibre ltd vadodara	

SSE/QC/MCF/RBL

गुणवत्ता विभाग

रेडिंक 0, रायबरेली



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RLY	E	C	R	-	Type	L	W	A	C	C	N	Shell No.	8	3	0	1	8	-	2	0	1	7	-	1	8
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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 Frequency	REFERENCE & PERIOD OF TRIAL

### 15. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain 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:

- 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 qualityrcfbl@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.

 वरिष्ठ QC अभियंता SSE/QC/MCF/RBL गुणवत्ता विभाग रेलडिप्टा, रायबरेली (लालगंज)	 सहायक यांत्रिक अभियंता / गुणवत्ता AME/QC/MCF/RBL Assistant Mechanic - Quality, RSC/Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli	 ज्योतिषी Dy. CQM/MCF/RBL Dy. Chief Quality Manager आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli
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MCF/RBL





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

HS-225

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**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES			
TYPE COACH	LWACCN	SHELL/COACH NO	17142/C
RAILWAY	ECR	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	29.16 Cub mtr/min	OK
3.2	Return Air	58.56 Cub mtr/min	OK
3.3	Exhaust Air	8.14 Cub mtr/min	OK
3.4	Conditioned Air	154.53 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 :22.2 °C NPP Side :21.8 °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		OK

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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 :	
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 <b>R 407C</b>	OK

  
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## 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 : <b>DAULAT RAM</b> Sr no of RMPU (NPP side): <b>032</b> Sr no of RMPU (PP side) : <b>035</b> Sr no of Microprocessor: <b>17.12.029 -A PAUL</b>	As per rdso/pe/spes/ac/0061/rev-1/2005	<b>02</b>
02.	Switch board cabinet Make : <b>ABROL</b> Sr no : <b>119-04/2018</b>	As per spec no . EDTS073,REV-D,AM-6	<b>01</b>
03.	Pump equipment with PLC controller & pump box Make : <b>DR AUTO</b> Sr no PA : <b>2018/03/090</b> Sr no.1 : <b>17120481</b> Sr no.2 : <b>18020046</b> Sr no.CPA : <b>2017/09/0001</b>	As per spec EDTS 186,Rev-a, Am- 2	<b>01</b>
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : <b>EYYANI</b>	EDTS331, TYPE-1 CORR.-1&2	<b>02</b>
05.	Provision & mounting of Passenger area light(Cabin) Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L & Drg no LW76090	<b>09</b>
06.	Provision & mounting of Corridor Light with Night light Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M & Drg no LW76091	<b>09</b>
07.	Provision & mounting of Doorway/ Gangway light Make : <b>RT VISION</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N & Drg no. LW 76099	<b>07</b>
08.	Provision & Mounting of PACIL Assly. Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I Drg no. LW 76098.	<b>02</b>
09.	Provision & Mounting of Toilet indication light, Make : <b>DR AUTO</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 Drg no. LW 76097.	<b>04</b>
10.	Provision & Mounting of Lavatory Light Make : <b>CMT</b>	RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & Drg no. LW 76092.	<b>04</b>
11.	Provision of Emergency Lighting system Make : <b>VGS</b>	As per EDTS151,REV-C, AM-2	<b>01SET</b>
12.	Provision of terminal strip with flanges Make : <b>WAGO</b>	As per EDML-034 Rev -A	<b>01SET</b>

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## ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
13.	Terminal connector Make : <b>WAGO</b>	EDML 037,Rev`a`	<b>04</b>
14.	Provision of single switch 06A, 220V AC, One way complete with steel plate & cover frame, Make : <b>SSK</b>	spec EDML-064,REV-B, Item 04,	<b>09</b>
15.	Provision of Single Switch 06A/250V,AC, One Way complete with Steel plate & cover frame, Make : <b>SSK</b>	As per spec EDML-064,REV-B, Item 05,	<b>09</b>
16	Provision of switch socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make : <b>SSK</b>	EDML 0,64,Rev-B, Item -16.	<b>36</b>
17.	PA system for LHB coaches Make : <b>AHUJA</b>	EDTS 173,Rev- a Am-1,2&3	<b>01 set</b>
18.	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>03/2018</b>	EDTS 129,Rev nil	<b>01 set</b>
19.	Battery box for LHB coaches. Make : NIL	1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27.	<b>01</b>
20.	Battery fuse box +ve Make : <b>INDORAIL</b>	As per LW 71001,Alt-F	<b>01</b>
21.	Battery fuse box -ve Make : <b>SSK</b>	As per LW 71002,Alt-F	<b>01</b>
22.	Emergency battery charger Make : <b>BHASIN</b> Sr no: <b>10174735</b> Make : <b>BHASIN</b> Sr no: <b>10174751</b>	EDTS 163,Rev `c` corg.-2&3	<b>02</b>
23.	Provision of 5KVA TFR Make : <b>VIMAL</b> SL.no : <b>333</b>	As Per EDTS-366,REV-NIL & CC-71510	<b>01</b>
24.	Provision of capacitor Bank Make : <b>ISG</b> SL.no: <b>CB-MCF-17-01-0031</b>	As per EDML-130 Rev-1,Corr-1	<b>01</b>
25.	60KVA transformer Make : <b>VIMAL</b> Sr no : <b>5343</b>	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	<b>01</b>

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## ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
26.	ZS coupling 400A/750V/03Ph/50hz. Make : <b>PRIME ELECT.</b>	As per spec No EDTS 105,Rev`e` Am-2	<b>01 set</b>
27.	Feeder junction boxes. Make : <b>ISG</b>	EDTS-328 REV-C	<b>01 set</b>
28.	Wheel set earthing equipment. Make : <b>CHANDA &amp; CHANDA</b>	EDTS101,REV-C,AM-1	<b>02 sets</b>
29.	Wheel Slide Protection System (WSP) Make : <b>KNORR</b> Sr no : <b>0118044414</b>	M/s : <b>KNORR</b>	<b>01 Set</b>
30.	PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : <b>SUPER REFRIGERATION</b>	As per EDTS -139, Rev- E ,Sec II.	<b>01</b>
31.	Provision of reading light for berth transverse ( LHS) Make : <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4	<b>18</b>
32.	Provision of reading light for berth transverse berth (RHS) Make : <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3	<b>18</b>
33.	Provision of reading light for longitudinal berth ( LHS) Make : <b>RT VISION</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1	<b>9</b>
34.	Provision of reading light for upper berth Make : <b>DR AUTO</b>	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2	<b>27</b>
35.	GPS PASSENGER INFORMATION SYSTEM FOR LHB AC-3TIER HUMSAFFER COACHES Make: <b>UNIVERSAL CONTROLS</b> MBU SL No: <b>0095</b> 1. LCD (NPP) SL.No: <b>0231-B</b> 2. LCD (PP) SL.No : <b>0231-A</b>	RDSO/SPEC/AC/0087-2008(REV-1) & RDSO/PE/SK/AC/0182-2015 & RDSO/PE/TP/AC/0026-2015,REV-0	<b>01 SET</b>

 <b>SSE/EL/QC</b>	 <b>SEE/P/MCF/RBL</b> <b>DyCEE/P&amp;P/MCF/RBL</b>
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