



# आधुनिक रेल डिब्बा कारखाना, रायबरेली

## MODERN COACH FACTORY, RAEBARELI

L37-396

FORM NO: RCF/RBL/QMF 8002  
VERSION: 2016-01-13**ROLLING STOCK CERTIFICATE**

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2016-17/051

|           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                  |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| SHELL NO. | 5 | 3 | 1 | 3 | 4 | - | 2 | 0 | 1 | 5 | - | 1 | 6 | - | - | DATE OF DISPATCH | 1 | 8 | 0 | 6 | 2 | 0 | 1 | 6 |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

|     |   |   |   |   |      |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|
| RLY | N | R | - | - | Type | L | W | A | C | C | N | Coach No. | 1 | 6 | 3 | 9 | 4 | 3 | / | C |
|-----|---|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|

1. Railway Board's Order No. : 2016/M(C)142/1 Dtd. 12.05.2016
2. Tare Weight of Coach : 45.6 Tonnes
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/-15 | 1) 1103 (NPPE) 2) 1104 (PPE) |

**5. TRACEABILITY OF SHELL ITEMS:**

| S NO | ITEM                  | MAKE/SUPPLIER                    | SERIAL NO |        |         |               |
|------|-----------------------|----------------------------------|-----------|--------|---------|---------------|
| 1.   | Underframe            | Front Part                       | MCF/RBL   | PP END | 53134   | NPP END 53134 |
|      |                       | Complete                         | MCF/RBL   |        |         |               |
| 2.   | Side wall             | MCF/RBL                          | RH        | 53134  | LH      | 53134         |
| 3.   | End wall              | NPP- M/s Rail Tech Pvt. Ltd. KXH | PP END    | 53134  | NPP END | 53134         |
|      |                       | PP- M/s Rail Tech Pvt. Ltd. KXH  |           |        |         |               |
| 4.   | Roof                  | M/s DTL Ancillaries Ltd. PUNE    |           |        |         |               |
| 5.   | Centre Buffer Coupler | M/s ESCORT                       | PP END    | 5544   | NPP END | 5550          |
| 6.   | Buffers               | N.A.                             |           |        |         |               |

**6. AIRBRAKE TEST REPORT:**

| S NO | ITEM                   | DESCRIPTION  | SPEC. VALUE   | OBSERVED                               |
|------|------------------------|--|---|--|
| 1.   | Full brake application | <ul style="list-style-type: none"> <li>➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm<sup>2</sup>.</li> <li>➤ Max. pressure in BC</li> <li>➤ All Brake are applied</li> </ul> | 6 – 10 sec.<br>3.0 ±0.15 kg/cm <sup>2</sup> .<br>OK | 8 sec.<br>3.0 kg/cm <sup>2</sup><br>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 02 Sec.  | Brake must apply                                    | OK                                     |

**7. PAINTING DAETAILS:**

| S NO | DESCRIPTION | TYPE OF PAINT | MAKE         | AVERAGE GLOSS VALUE |
|------|-------------|---------------|--------------|---------------------|
| 1.   | Paint       | P.U           | VIBGYOR      | 96/96               |
| 2.   | Insulation  |               | Satisfactory |                     |

*[Signature]*  
SSE/QC/MCF/RBL



# आधुनिक रेल डिब्बा कारखाना MODERN COACH FACTORY RAEBARELI

FORM NO: MCF/RBL/QMF 8002  
VERSION: 2016-01-13

## ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2016-17/051

|           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                  |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| SHELL No. | 5 | 3 | 1 | 3 | 4 | - | 2 | 0 | 1 | 5 | - | 1 | 6 | - | - | - | DATE OF DISPATCH | 1 | 8 | / | 0 | 6 | / | 1 | 6 |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

|     |   |   |   |      |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |
|-----|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|
| RLY | N | R | - | Type | L | W | A | C | C | N | Coach No. | 1 | 6 | 3 | 9 | 4 | 3 | / | C |
|-----|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|

### 8. DETAIL OF BOGIES :

| ITEMS         | PP Side             |                     |                     |                     | NPP Side            |                     |                     |                     |
|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Bogie No      | 160035              |                     |                     |                     | 160036              |                     |                     |                     |
| Bogie Type    | LWACCN              |                     |                     |                     | LWACCN              |                     |                     |                     |
| Frame no.     | SCI-457             |                     |                     |                     | SCI/FM-451          |                     |                     |                     |
| Bolster no.   | EC BLADES-055       |                     |                     |                     | EC BLADES-057       |                     |                     |                     |
| Axle No       | F 9682              |                     | F 9883              |                     | G 0060              |                     | G 0037              |                     |
| Wheel Dia     | 916.946             | 916.800             | 916.984             | 916.778             | 916.999             | 916.828             | 916.963             | 916.849             |
| Wheel Disc No | 7280-00157<br>VR 15 | 7277-00120<br>VR 15 | 7291-00174<br>VR 15 | 7291-00059<br>VR 15 | 7291-00146<br>VR 15 | 7291-00120<br>VR 15 | 7292-00145<br>VR 15 | 7292-00157<br>VR 15 |
| R.B. Nos.     | 03-15-04127         | 03-15-03612         | 03-15-03275         | 03-15-03637         | 03-15-03627         | 03-15-04078         | 03-15-03807         | 03-15-04416         |
| CT R B Make   | TIMKEN              |                     | TIMKEN              |                     | 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.                   | CMFSK02-16-883-77 | CVFSK03-16-9513-193-226 | CMFSK02-16-8836-88-101 | CVFSK03-16-9513-193-159 | G 15-11-845    | CVFSK03-16-9513-195-221 | G 15-11-910 | CVFSK03-16-9513-195-36 |
| Compressed Ht. at Tested Load | 513               | 465                     | 514                    | 465                     | 514            | 464                     | 514         | 464                    |
| Alignment deviation (mm)      | 8                 | 8                       | 10                     | 9                       | 18             | 8                       | 18          | 8                      |

### 10. TRACEABILITY OF BOGIE ITEMS:

| S. NO | ITEM                       | SERIAL NO.   |  | MAKE         |
|-------|----------------------------|--|--|--------------|
|       |                            | PP SIDE  | NPP SIDE                               |              |
| 1.    | Primary outer Spring       | RSK 03WA(904,262,289),RSK 0984-2891                          | RSK2955-2891,RSK03WA(365,154,902)      | RSK          |
| 2.    | Primary Inner Spring       | CMGBD 02-16-143-72(117,88,190,44)                            | CMGBD 02-16-143-72(9,11,139,17)        | CMGBD        |
| 3.    | Primary Damper             | KW 37-2015 301530049   | KW 37-2015 301530049                   | GEREP        |
| 4.    | Secondary Damper           | KW 13-2015 301550333   | KW 37-2015 301550333                   | GEREP        |
| 5.    | Lateral Damper             | KW 37-2015 301550332   | KW 37-2015 301550332                   | GEREP        |
| 6.    | Brake Cylinder             | 2284-K-29,2404-K-29,2402-K-29,2283-K-29                      | 737-K-29,772-K-29,783-K-29,744-K-29    | KBI          |
| 7.    | Brake Caliper              | 2241-29,2360-29,2359-29,2240-29                              | 700-29,756-29,754-29,709-29            | KBI          |
| 8.    | Brake Disc                 | FAV D133561-300<br>(02-16-427,02-16-422,01-16-139,01-16-136) | FAV D133561-300-01-16(141,144,134,137) | FAV          |
| 9.    | Ball Joint Control Arm     |  |  | MGN/GMT      |
| 10.   | Lateral Bump Stop          |  |  | GMT          |
| 11.   | Traction Centre make       |  |  | SARITA       |
| 12.   | Traction lever make        |  |  | SARITA       |
| 13.   | Ball joint traction lever  |  |  | GMT          |
| 14.   | Ball joint traction centre |  |  | GMT          |
| 15.   | Secondary Rubber Pad       |  |  | TECSPAK      |
| 16.   | Rubber Spring              |  |  | GMT          |
| 17.   | Anti roll bar make         |  |  | SARITA       |
| 18.   | Roll Link make             |  |  | SARITA/GMT   |
| 19.   | Fork make                  |  |  | SARITA/EMSON |

Signature of SSE/Bogie/QC



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| RLY | N | R | - | - | Type | L | W | A | C | C | N | Coach No. | 1 | 6 | 3 | 9 | 4 | 3 | / | C |
|-----|---|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|

### 11. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM                             | MAKE/SUPPLIER                              | SERIAL NO        |
|------|----------------------------------|--|------------------|
| 1.   | Air Brake Module                 | M/s KBI ,Faridabad ,New Delhi              | 15M1344          |
| 2.   | Pull box                         | M/s KBI ,Faridabad ,New Delhi              |                  |
| 3.   | DV                               | M/s KBI ,Faridabad ,New Delhi              | 2015M1950        |
| 4.   | PVC                              | M/s Responsive Industries, Mumbai          |                  |
| 5.   | UIC Vestibule (PPE)              | M/s Cemcon Industries New Delhi            |                  |
| 6.   | UIC Vestibule (NPPE)             | M/s Cemcon Industries New Delhi            |                  |
| 7.   | Foot Step                        | M/s Hitech Infra RBL                       |                  |
| 8.   | Decoupling arrangement           | M/s Kohinoor Industries, Faridabad         |                  |
| 9.   | Body Side Window                 | M/s Aikon Technology Pvt.Ltd.Solan (H.P)   |                  |
| 10.  | Emergency Window                 | M/s Aikon Technology Pvt.Ltd.Solan (H.P)   |                  |
| 11.  | Lavatory/hooper Window           | M/s Aikon Technology Pvt.Ltd.Solan (H.P)   |                  |
| 12.  | Roof Ceiling                     | M/s Hindustan Fibre Ltd. Vadodra (Gujrat)  |                  |
| 13.  | Non-AC Area Ceiling              | M/s Amirchand Engg. Works Jalandhar        |                  |
| 14.  | Supply Air Duct                  | M/s Amirchand Engg. Works 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 Hanspal CDH                            |                  |
| 19.  | Vestibule Door(NPPE)             | M/s Hanspal CDH                            |                  |
| 20.  | CDTS                             | M/s Oasis Fabrication, Jagadari            |                  |
| 21.  | Auxiliary Water Tank             | M/s Manoj Enterprises Mohali PB            |                  |
| 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 (Gujarat) |                  |
| 25.  | Lotah Filler Tap                 | M/s Metco Delhi                            |                  |
| 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 Pahal Fire                             | NPP-7883 PP-7882 |
| 30.  | Side Wall panel                  | M/s Hindustan Fibre Ltd. Vadodra (Gujrat)  |                  |
| 31.  | Seat & Berth                     | M/s Oriental veneer Products Ltd Mumbai    |                  |
| 32.  | Light Luggage Rack               | M/s Techno Industries, Allahabad           |                  |
| 33.  | Snack Table                      | M/s Anjani Techno Plasts Noida             |                  |

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|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| SHELL NO. | 5 | 3 | 1 | 3 | 4 | - | 2 | 0 | 1 | 5 | - | 1 | 6 | - | - | DATE OF DISPATCH | 1 | 8 | 0 | 6 | 2 | 0 | 1 | 6 |
|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

|     |   |   |   |   |      |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|
| RLY | N | R | - | - | Type | L | W | A | C | C | N | Coach No. | 1 | 6 | 3 | 9 | 4 | 3 | / | C |
|-----|---|---|---|---|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|

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 &<br>PERIOD OF TRIAL |
|------|------------------|---------|-----------|--------------------------------|
|      |                  |         | Frequency |                                |
|      |                  |         |           |                                |

### 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:

- 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 RCF/RBL.
- For any complain/ suggestion please Mail at [qualityrcfrbl@gmail.com](mailto:qualityrcfrbl@gmail.com)

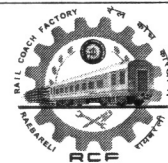
|                |   |                               |
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|                |   |                               |
| SSE/QC/MCF/RBL | AME/QC/MCF/RBL<br>Asst. Mechanical Engineer/ Quality<br>डिब्बा कारखाना, लालगंज, रायबरेली<br>Coach Factory, Lalganj, Raebareli | Dy.CME/FUR/MCF/RBL<br>RCF/RBL |







Govt. of India- Ministry of Railways  
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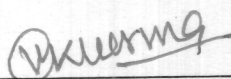
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VER. 10.08.2015  
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**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

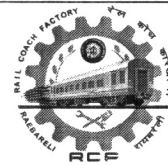
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

|                   |   |                         |                 |  |
|-------------------|---|-------------------------|-----------------|--|
| <b>TYPE COACH</b> | <b>LWACCN</b>   | <b>SHELL/COACH NO</b>   | <b>163943/C</b> |  |
| <b>RAILWAY</b>    | <b>NR</b>   | <b>DATE OF DESPATCH</b> |                 |  |
| <b>Sr no</b>      | <b>Description of tests</b>   |                         | <b>Remarks</b>  |  |
| 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  | 87.42 Cub mtr/min       | OK              |  |
| 3.3               | Exhaust Air   | 11.00 Cub mtr/min       | OK              |  |
| 3.4               | Conditioned Air   | 212.79 Cub mtr/min      | OK              |  |
| 4.0               | <b>PRE COOLING TEST: Max 01 hr.</b><br>Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition<br><br>PP Side : 21.0°C NPP Side : 20.9°C |                         | OK              |  |
| 5.0               | <b>PULL DOWN TEST: Max 02 hrs.</b><br>Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition.<br><br>NOT DONE.                                 |                         | OK              |  |

  
Senior Section Engineer  
Quality control / Electrical  
RCF, Raebareli



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



RCF/RBL/QEF8001

VER. 10.08.2015

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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  | SAFETY ITEMS                               | 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 <b>R 407C</b>             | OK      |

*[Signature]*  
**Senior Section Engineer  
Quality control / Electrical  
RCF, Raebareli**



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



RCF/RBL/QEF8001

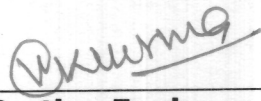
VER. 10.08.2015

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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

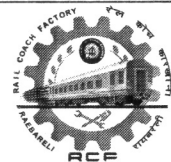
| Sr no | Description  | Drg/Spec no.                                  | Quantity per Coach |
|-------|--|---|--------------------|
| 01.   | Roof mounted AC package unit for LHB AC coaches<br>Make : <b>LEEL</b><br>Sr no of RMPU 1 (NPP side): <b>16.03.0348</b><br>Sr no of RMPU 2( PP side ) : <b>16.03.0622</b><br>Sr no of Microprocessor: <b>16.02.004/A PAUL</b> | As per<br>rdso/pe/spes/ac/0061/rev<br>-1/2005 | <b>02</b>          |
| 02.   | Switch board cabinet<br>Make : <b>ABROL</b><br>Sr no : <b>111/03/2016</b>  | As per spec no .<br>EDTS073,REV-D,AM-6        | <b>01</b>          |
| 03.   | Pump equipment with PLC controller & pump box Make : <b>KALSI</b> Sr no PA- <b>5040/02/2016</b><br>Sr no.1- <b>262959/02/2016</b><br>Sr no.2- <b>262960/02/2016</b><br>Sr no.CPA- <b>5083/02/2016</b>                        | As per spec EDTS<br>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>INTEG</b>   | EDTS331, TYPE-1<br>CORR.-1&2                  | <b>02</b>          |
| 05.   | Vestibule Light Fitting Single   | LW 76004,Alt-b                                | <b>07</b>          |
| 06.   | Ceiling light fitting DOUBLE w/o diffuser.   | LW 76011,Alt -c                               | <b>09</b>          |
| 07.   | Ceiling light fitting with NL w/o diffuser w/o item 2&3  | LW 76013,Alt -c                               | <b>09</b>          |
| 08.   | Emergency light system for EOG type coaches (AEL)  | EDTS 151,Rev -c Am-1 & 2                      | <b>04</b>          |
| 09.   | Lavatory light fitting assly   | LW 76001,Alt nil                              | <b>04</b>          |
| 10.   | WC gauge signal light  | LW 76006,Alt-c                                | <b>02</b>          |

  
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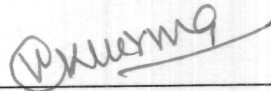
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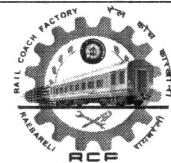
**ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES**

| Sr no | Description  | Drg/Spec no.   | Quantity per Coach |
|-------|--|--|--------------------|
| 11.   | Passenger alarm coach indication light   | LW 76005,Alt-e   | <b>02</b>          |
| 12.   | Fluorescent lamp 18W   | RDSO/PE/SPEC/D/TL<br>0011-2000,Rev I, Sec-I , 07/2001        | <b>34</b>          |
| 13.   | Diffuser complete w/o item 1& 2.   | LW 76012,Alt-a   | <b>25</b>          |
| 14.   | Razor socket for WC 110/240V.  | EDML 047<br>,Rev nil   | <b>04</b>          |
| 15.   | Terminal strip   | EDML 034,Rev-a   | <b>01</b>          |
| 16.   | Terminal connector   | EDML 037,Rev`a`  | <b>04</b>          |
| 17.   | Single switch 06A/250V/AC ONE WAY<br>,complete with steel plate & cover frame  | EDML 047,Rev- C,<br>Item 1.                                  | <b>09</b>          |
| 18.   | Single switch 06A/250V/AC ONE WAY<br>complete with steel plate & cover frame   | EDML 047,Rev-A,<br>Item 2.                                   | <b>09</b>          |
| 19.   | Provision of switch socket combined 5PIN<br>(06A, 250V AC) along with 1A glass fuse<br>fitted powder coated steel plate & cover  | As per cat no EL-243<br>(EL signature series )<br>of M/s SSK | <b>09</b>          |
| 20.   | PA system for LHB coaches<br>Make : <b>AHUJA</b>   | EDTS 173,Rev- a Am-<br>1,2&3                                 | <b>01 set</b>      |
| 21.   | 70AH/110V,54 Cells,02V each<br>,maintenance free pure lead acid tin<br>monoblock ,battery set with 09 modules<br>12V each. , factory pre charged.<br>Make : <b>HBL</b> Lug date : <b>11/2015</b> | EDTS 129,Rev nil   | <b>01 set</b>      |
| 22.   | Battery box for LHB coaches.   | 1 10113 0 76 700 005<br>w/o item 5, 22, 23, 26<br>& 27.      | <b>01</b>          |

  
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**ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES**

| Sr no | Description  | Drg/Spec no.  | Quantity per Coach |
|-------|--|---|--------------------|
| 23.   | Battery fuse box +ve<br>Make : <b>ISG</b>  | As per LW 71001,Alt-F   | <b>01</b>          |
| 24.   | Battery fuse box -ve<br>Make : <b>NEC</b>  | As per LW 71002,Alt-F   | <b>01</b>          |
| 25.   | Regulated battery charger<br>Make : <b>HIREL</b> Sr no : <b>16010720</b>                             | As per<br>RDSO/pe/spec/ac/0129,<br>Rev.-1 (2009)                      | <b>01</b>          |
| 26.   | Emergency battery charger<br>Make : <b>BHASIN</b> Sr no : <b>10151588</b>                            | EDTS 163,Rev `c`<br>corg.-2&3   | <b>01</b>          |
| 27.   | 60KVA transformer<br>Make : <b>VIMAL</b><br>Sr no : <b>3540</b>                                      | As per<br>rdso/pe/spec/ac/0080/rev<br>-0 (2007)/Am-1&2/Corr.<br>1,2&3 | <b>01</b>          |
| 28.   | ZS coupling 400A/750V/03Ph/50hz.<br>Make : <b>S INTERNATIONAL</b>                                    | As per spec No EDTS<br>105,Rev `e` Am-2                               | <b>02 sets</b>     |
| 29.   | Feeder junction boxes.<br>Make : <b>ABROL</b>  | EDTS-328 REV-C.   | <b>02</b>          |
| 30.   | Wheel set earthling equipment.<br>Make : <b>MAA LAXMI INDUSTRIES</b>                                 | EDTS101,REV-C,AM-1  | <b>02</b>          |
| 31.   | Wheel Slide Protection System (WSP)<br>Make : <b>KNORR</b> & Sr no : <b>0115431894</b>               | M/s : <b>KNORR</b>  | <b>01 set</b>      |
| 32.   | PANTRY EQUIPMENTS :<br>Hot Case & Bottle cooler cum deep freezer<br>Make : <b>SUPER REFRIGRATION</b> | As per spec no EDTS<br>139, Rev- E<br>, Sec II.                       | <b>01</b>          |

|                  |                         |
|------------------|-------------------------|
|                  |                         |
| <b>SSE/EL/QC</b> | <b>DyCEE(P)/RCF/RBL</b> |

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