


|   |   |                           |
|---|---|---------------------------|
|  | <b>Modern Coach Factory Raebareli</b><br><b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b> | DOC NO.: MCF/RBL/QMF 8002 |
|   |   | REV NO: 00                |
|   |   | DATE: 16.05.2016          |

### ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2018-19/716

|                |             |      |   |           |   |   |   |   |           |   |   |   |                  |   |   |   |   |   |   |   |   |   |
|----------------|-------------|------|---|-----------|---|---|---|---|-----------|---|---|---|------------------|---|---|---|---|---|---|---|---|---|
| RLY            | E           | C    | o | Coach No. | 1 | 8 | 2 | 1 | 6         | 0 | / | C | DATE OF DISPATCH | 3 | 0 | - | 1 | 0 | - | 1 | 8 |   |
| DISPATCH<br>TO | Sr.CDO/VSKP | Type | L | W         | S | C | N | 1 | Shell No. | 8 | 7 | 1 | 7                | 7 | - | 2 | 0 | 1 | 8 | - | 1 | 9 |

1. Railway Board's Order No. : 2018/M(C)/142/2, Dated-27-08-2018
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) 1102 (NPPE) 2) 1098 (PPE) |

#### 5. TRACEABILITY OF SHELL ITEMS:

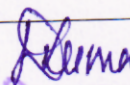
| S NO | ITEM                  | MAKE/SUPPLIER                  | SERIAL NO                |
|------|-----------------------|--------------------------------|--------------------------|
| 1.   | Underframe            | PP END M/s- NECHD              | 9/2018                   |
|      | Front Part            | NPP END M/s- NECHD             | 9/2018                   |
|      | Complete              | MCF/RBL                        | 87177                    |
| 2.   | Lav.side wall         | M/s- JSL LIFE STYLE, HARYANA   | LAV.1 --- LAV.2 ---      |
|      |                       | M/s- JSL LIFE STYLE, HARYANA   | LAV.3 --- LAV.4 ---      |
| 3.   | Side wall             | M/s- CONTRACTOR V4U, LUCKNOW   | 153/01                   |
|      | LH SIDE               | M/s- CONTRACTOR V4U, LUCKNOW   | 153/02                   |
|      | RH SIDE               | M/s- CONTRACTOR V4U, LUCKNOW   | ---                      |
| 4.   | End wall              | PP END M/s- NECHD, CHANDIGARH  | 2018                     |
|      |                       | NPP END M/s- NECHD, CHANDIGARH | 87177                    |
| 5.   | Roof                  | MCF/RBL                        | PP END 8506 NPP END 8475 |
| 6.   | Centre Buffer Coupler | M/S- SANROK ,FARIDABAD         |                          |

#### 6. AIRBRAKE TEST REPORT:

| S NO | ITEM                   | DESCRIPTION  | SPEC. VALUE   | OBSERVED                                |
|------|------------------------|--|---|---|
| 1.   | Full application brake | ➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup> .<br>➤ Max. pressure in BC<br>➤ All Brake are applied | 6 – 10 sec.<br>3.0 ±0.15 kg/cm <sup>2</sup> .<br>OK | 08 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 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 -BERGER | Supply & apply                                 | 90/87               |
| 2.   | Insulation  |               |             | Satisfactory                                   |                     |

  
 वरिष्ठ अभियंता  
 SSE/OC/MCF/RBL





MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO.: 01

DATE: 16.05.2016

## ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/716

|   |   |    |   |   |      |   |   |   |   |   |                  |           |   |   |   |   |   |   |   |   |   |   |  |
|---|---|----|---|---|------|---|---|---|---|---|------------------|-----------|---|---|---|---|---|---|---|---|---|---|--|
| Rolling Stock Certificate Non-Interchangeable |   |    |   |   |      |   |   |   |   |   |                  |           |   |   |   |   |   |   |   |   |   |   |  |
| Coach No.                                     |   | 1  | 8 | 2 | 1    | 6 | 0 | / | C | - | DATE OF DISPATCH |           |   |   | 3 | 0 | . | 1 | 0 | . | 1 | 8 |  |
| RLY   | E | Co | R | - | Type | L | W | S | C | N | 1                | Shell No. | 8 | 7 | 1 | 7 | 7 | - | - | - | - | - |  |

## 8. DETAIL OF BOGIES:

| ITEMS         | NPP Side              |                       |                       |                       | PP Side               |                       |                       |                       |
|---------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Bogie No      | 181648                |                       |                       |                       | 181647                |                       |                       |                       |
| Bogie Type    | FIAT                  |                       |                       |                       | FIAT                  |                       |                       |                       |
| Frame no.     | RBL-1129              |                       |                       |                       | MCF/RBL-1130          |                       |                       |                       |
| Bolster no.   | RBL-1654              |                       |                       |                       | RBL-1703              |                       |                       |                       |
| Axle No       | 17 C - 3844 RWF       |                       | 18 E-0179 RWF         |                       | 18 D- 8418RWF         |                       | 18 D- 9165 RWF        |                       |
| Wheel Dia     | 917.496               | 917.577               | 917.504               | 917.591               | 917.498               | 917.593               | 917.5                 | 917.5                 |
| Wheel Disc No | TZ07-18<br>33705-8RG5 | TZ06-18<br>29777-8QP7 | TZ07-18<br>35560-8QM9 | TZ07-18<br>31497-8RG7 | TZ06-18<br>29234-8QN5 | TZ07-18<br>35425-8QL6 | TZ06-18<br>29206-8QM9 | TZ06-18<br>31385-8QM7 |
| R.B. Nos.     | 07-18 16332           | 07-18 15484           | 07-18 14620           | 07-18 14284           | 07-18 15493           | 07-18 16000           | 07-18 16389           | 07-18 16231           |
| 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.                      | CMGBD04-18-<br>5101-55-274 | CMGBD03-18-<br>5100-40-613 | CMGBD04-18-<br>5101-55-193 | CMGBD03-18-<br>5100-40-602 | CMGBD04-18-<br>5101-55-195 | CMGBD03-18-<br>5100-40-575 | CMGBD04-18-<br>5101-50-281 | CMGBD03-18-<br>5700-41-343 |
| Compressed Ht. at<br>Tested Load | 516                        | 472                        | 516                        | 472                        | 516                        | 471                        | 514                        | 471                        |
| Alignment<br>deviation (mm)      | 6                          | 6                          | 6                          | 6                          | 9                          | 5                          | 9                          | 5                          |

## 10. TRACEABILITY OF BOGIE ITEMS:

| S. NO | ITEM                       | MAKE/<br>SUPPLIER | SERIAL NO.   |  |
|-------|----------------------------|-------------------|--|--|
|       |                            |                   | NPP SIDE   | PP SIDE  |
| 1.    | Yaw Damper                 | GEREP             | 423,435  | 424,418  |
| 2.    | Primary outer Spring       | CMGBD             | 05-17 1100 (39-322,46-306,42-320,42-319)   | 05-17 1100 (39-272,46-307,42-330,42-285)   |
| 3.    | Primary Inner Spring       | CMGBD             | 05-18-1101 (56-472,57-644,57-750,56-379),  | 05-18-1101-56 (782,849,672),05-18-1101-57-593                                      |
| 4.    | Primary Damper             | KNORR             | 07-18 (26418,26420,26423),06-18-23669  | 07-18(26451,26416,26408,26424)   |
| 5.    | Secondary Damper           | GEREP             | KW 17-2017 301550739   | KW 17-2017 301550739   |
| 6.    | Lateral Damper             | KNORR             | 05-18 3163   | 05-18 3159   |
| 7.    | Brake Cylinder             | FAV               | G18(230,227,122,137)   | G18(659,129,228,229)   |
| 8.    | Brake Caliper              | FAV               | H18(924,921,1150,1152)B  | K18(1154,1149,922,923)B  |
| 9.    | Brake Disc                 | KBI               | 24158714 0024-36/18,24158714 0015-36/18<br>24158714 0007-36/18,24158714 0013-36/18 | 24158710 0002-36/18,24158709 0043-36/18<br>24158709 0049-36/18,24158709 0050-36/18 |
| 10.   | Ball Joint Control Arm     | AR                |  |  |
| 11.   | Lateral Bump Stop          | PRAG              |  |  |
| 12.   | Traction Centre make       | SARITA            |  |  |
| 13.   | Traction lever make        | SARITA            |  |  |
| 14.   | Ball joint traction lever  | S-BLOC            |  |  |
| 15.   | Ball joint traction centre | AR                |  |  |
| 16.   | Secondary Rubber Pad       | DUREL             |  |  |
| 17.   | Rubber Spring              | AR                |  |  |
| 18.   | Anti roll bar make         | SARITA            |  |  |
| 19.   | Roll Link make             | SARITA/AR         |  |  |
| 20.   | Fork make                  | EMSON             |  |  |
| 21.   | Control Arm Upper          | RVE               | 140918-3,RVE,140918-3,130918-2   | 140918-3,140918-3,130918-2,130918-2  |
| 22.   | Control Arm Lower          | RVE               | 180918-3,170918-2,RVE,180918-3   | 180918-3,180918-3,070918-3,180918-3  |

Signature of SSE/Bogie/QC







# 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/2018-19/716

|     |   |   |   |           |   |   |   |   |   |   |   |   |                  |   |   |   |   |   |   |   |   |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | E | C | o | Coach No. | 1 | 8 | 2 | 1 | 6 | 0 | / | C | DATE OF DISPATCH | 3 | 0 | - | 1 | 0 | - | 1 | 8 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

|             |             |      |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|-------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DISPATCH TO | Sr.CDO/VSKP | Type | L | W | S | C | N | 1 | Shell No. | 8 | 7 | 1 | 7 | 7 | - | 2 | 0 | 1 | 8 | - | 1 | 9 |
|-------------|-------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|

**11. TRACEABILITY OF FURNISHING ITEMS:**

| SNO | ITEM                            | MAKE/SUPPLIER                                   | SERIAL NO  |
|-----|---------------------------------|---|------------|
| 1.  | Air Brake Module                | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | H 18144 B  |
| 2.  | Pull box                        | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) |            |
| 3.  | Distribution valve              | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | 18085631 B |
| 4.  | Foot Step                       | M/s- SUPER SPARK PVT. LTD. FARIDABAD            |            |
| 5.  | Decoupling arrangement          | M/s- KOHINOOR INDUSTRIES, JALANDHAR             |            |
| 6.  | Floor board                     | M/s- SHRI RAM GOVINDGERH (PB)                   |            |
| 7.  | PVC                             | M/s- PREMIER POLYFILM, GAZIABAD                 |            |
| 8.  | Lavatory Inlay                  | M/s OASIS IND. JAGADHARI                        |            |
| 9.  | UIC Vestibule (PPE)             | M/S-ELASTOMER LINING WORKS, MUMBAI              |            |
| 10. | UIC Vestibule (NPPE)            | M/S-ELASTOMER LINING WORKS, MUMBAI              |            |
| 11. | Gangway bridge mounting (PPE)   | M/s- MAHAVEER METAL WORKS, KXH                  |            |
| 12. | Gangway bridge mounting (NPPE)  | M/s- MAHAVEER METAL WORKS, KXH                  |            |
| 13. | Body Side Window                | M/S EXCEL INDS, KOLKATA                         |            |
| 14. | Emergency Window                | M/S AGF INDS, KOLKATA                           |            |
| 15. | Hopper Window                   | M/S AIKON IND.SALON H.P                         |            |
| 16. | Side panel                      | M/S-SUNGLow PUNJAB LAMINATE                     |            |
| 17. | Roof ceiling                    | M/S- SYNTHETIC MODULAR KOLKATA                  |            |
| 18. | Door way ceiling                | M/s RAJA IND. KHANNA                            |            |
| 19. | Body Side Door                  | M/s JVR INDS, LDH                               |            |
| 20. | Vestibule Door(PPE)             | M/s JBM, FARIDABAD                              |            |
| 21. | Vestibule Door(NPPE)            | M/s JBM, FARIDABAD                              |            |
| 22. | Bio Tank                        | M/S-M.K. METAL PARTS, MUMBAI                    |            |
| 23. | Auxiliary Water Tank            | M/s- AMIT ENG. MOHALI                           |            |
| 24. | Under Slung Water Tank( 2X685L) | M/s- SHIVALIK FAST, MOHALI                      |            |
| 25. | Under Slung Water Tank (1X685L) | M/s- SHIVALIK FAST, MOHALI                      |            |
| 26. | Controlled Discharge Tap        | M/s KALSI PUMPS, JALANDHER                      |            |
| 27. | Lavatory Doors                  | M/s- KALSI, LUDHINA                             |            |
| 28. | Flexible Faucet                 | M/s- KAPCO VALVES, JALANDHAR                    |            |
| 29. | Lotah Filler Tap                | M/s- KAPCO VALVES, JALANDHAR                    |            |
| 30. | Seat & Berth                    | M/S- ORIENTAL VENEER PRODUCTS MUMBAI            |            |
| 31. | Snack Table                     | N/A   |            |

*Rama*

SSE/QC/MCF/RBL

गुणवत्ता विभाग  
रेडि०का०, रायबरेली (लालगंज)





# 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/2018-19/716

|     |   |   |   |           |   |   |   |   |   |   |   |   |                  |   |   |   |   |   |   |   |   |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | E | C | o | Coach No. | 1 | 8 | 2 | 1 | 6 | 0 | / | C | DATE OF DISPATCH | 3 | 0 | - | 1 | 0 | - | 1 | 8 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

|             |             |      |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|-------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DISPATCH TO | Sr.CDO/VSKP | Type | L | W | S | C | N | 1 | Shell No. | 8 | 7 | 1 | 7 | 7 | - | 2 | 0 | 1 | 8 | - | 1 | 9 |
|-------------|-------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|

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 & PERIOD OF TRIAL |
|------|------------------|---------|-----------|-----------------------------|
|      |                  |         | Frequency |                             |
|      |                  |         |           |                             |

**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 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.

|  |   |   |
|--|---|---|
|  |   |   |
| SSE/QC/MCF/RBL<br>गुणवत्ता विभाग<br>आधुनिक रेल डिब्बा कारखाना, रायबरेली (लालगंज) | सहायक संचालक अभियन्ता/गुणवत्ता-1<br>AME/QC/MCF/RBL<br>Assistant Mechanical Engineer / Quality-1<br>आधुनिक रेल डिब्बा कारखाना, रायबरेली<br>Modern Coach Factory, Raebareli | Dy.CQM/MCF/RBL<br>Joginder Singh<br>उप मुख्य गुणवत्ता प्रबन्धक<br>Dy. Chief Quality Manager<br>आधुनिक रेल डिब्बा कारखाना, रायबरेली<br>Modern Coach Factory, Raebareli |





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE: 18.01.2017

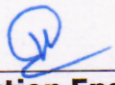
PAGE 1 OF 3

**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG NON AC COACHES

| TYPE COACH | LWSCN                                 | SHELL/COACH NO   | 182160/C |
|------------|---------------------------------------|------------------|----------|
| RAILWAY    | ECoR                                  | DATE OF DESPATCH |          |
| Sr no      | Description of test                   | Remarks          |          |
| 1.         | PUMP EQUIPMENTS                       | OK               |          |
| 2.         | LIGHTS, NL, LAP CHARGING SOCKETS      | OK               |          |
| 3.         | RAILWAY CARRIAGE FAN                  | OK               |          |
| 4.         | WHEEL SLIDE PROTECTION SYSTEM ( WSP ) | OK               |          |
| 5.         | WORKING OF 9 KVA TRANSFORMER          | OK               |          |
| 6.         | WORKING OF REGULATED BATTERY CHARGER  | OK               |          |
| 7.         | SAFETIES :                            |                  |          |
| 7.1.       | FUSES AND THEIR RATING                | OK               |          |
| 7.2.       | CONTROL CIRCUIT                       | OK               |          |
| 7.3.       | POWER CIRCUIT                         | OK               |          |

  
 Senior Section Engineer  
 Quality control / Electrical  
 Modern Coach Factory Raebareli





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

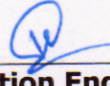
DATE:18.01.2017

PAGE 2 OF 3

**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

|     |  |  |           |
|-----|--|--|-----------|
| 01. | Switch board cabinet<br>Make : <b>SSK</b><br>On Board Sr no : <b>2017-08-229</b><br>HT Panel Sr no : <b>2017-10-309</b>  | EDTS 333, Rev` 01`Am-1                                     | <b>01</b> |
| 02. | Pump equipment with PLC controller & pump box Make : <b>DR AUTO</b><br>Sr no PA: <b>2018/09/054</b><br>Sr no.1 : <b>18090025</b><br>Sr no.2 : <b>18090020</b><br>Srno.CPA: <b>2018/09/004 -DR AUTO</b> | As per spec EDTS 186,Rev-a, Am- 2                          | <b>01</b> |
| 03. | Emergency light system for EOG type coaches (AEL), Make :<br><b>CONCORD CONTROL SYSTEM./VGS</b>  | EDTS 151,Rev -c Am-1 & 2                                   | <b>04</b> |
| 04. | Passenger Alarm Cum Indication Light (PACIL)<br>Make: <b>KAVERI</b>  | As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I            | <b>02</b> |
| 05. | Fitment of Switch Plate Assly(Cabin Side) Make : <b>SSK</b>  | EDML 086,Rev-03, ITEM-01                                   | <b>10</b> |
| 06. | Fitment of Switch Plate Assly Corridor Side),Make : <b>SSK</b>   | EDML 086, Rev 03, ITEM-02                                  | <b>10</b> |
| 07. | Railway carriage Fan 400mm Sweep, 110V DC with crash worthy features.<br>Make: <b>ELECTROWAVES LTD.</b>  | IS 6680/92,First Rev, RCF Amdt 4, Col I, Ty XI, RCF Cor I. | <b>30</b> |
| 08. | Cabin,Corridor,doorway and Gangway Lights.<br>Make: <b>DR AUTO</b>   | As per RDSO/PE/SPEC/TL-0091(REV-1) TYPE B-1                | <b>26</b> |
| 09. | Lavatory Light<br>Make: <b>RT VISION</b>   | As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D &          | <b>04</b> |
| 10. | Night Light Fitting (LED BASED)<br>Sticker For Berth Number On Night light Fitting For LHBSCN(80-BERTHER)Coaches<br>Make : <b>INTRA ELECT.</b>   | CC76289 & CC76443  | <b>10</b> |

  
**Senior Section Engineer**  
**Quality control / Electrical**  
**Modern Coach Factory Raebareli**





Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE:18.01.2017

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**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

|     |   |   |                |
|-----|---|---|----------------|
| 11. | Battery fuse box +ve<br>Make : <b>NEC</b>   | LW 71001,Alt-F                                      | <b>01</b>      |
| 12. | Battery fuse box -ve<br>Make : <b>SSK</b>   | LW 71002,Alt-F                                      | <b>01</b>      |
| 13. | Regulated battery charger<br>Make : <b>BHASIN</b> Sr no: <b>09181453</b>  | As per RDSO/pe/spec/ac/0129,<br>Rev.-1 (2009)       | <b>01</b>      |
| 14. | 9KVA transformer<br>Make : <b>PANTRONICS</b><br>Sr no : <b>PAN-18017715</b>   | As per RDSO/PE/SPEC/TL<br>0158, 2010, Rev` 0',Ty I. | <b>01</b>      |
| 15. | ZS coupling 400A/750V/03Ph/50hz.<br>Make : <b>MAA LAXMI INDUSTRIES.</b>   | As per spec No EDTS 105,Rev` e'<br>Am-3,<br>TYPE-2  | <b>01 set</b>  |
| 16. | Feeder junction boxes.<br>Make : <b>MAA LAXMI INDUSTRIES.</b>   | EDTS-328 REV-C                                      | <b>01 set</b>  |
| 17. | Wheel set earthing equipment.<br>Make : <b>DARSHAN INTERPRISES.</b>   | EDTS101,REV-C,AM-1                                  | <b>02 sets</b> |
| 18. | Wheel Slide Protection System (WSP)<br>Make : <b>FAIVELEY</b> Sr no : <b>24/18/1019</b>   | M/s : <b>FAIVELEY</b>                               | <b>01 set</b>  |
| 19. | 110V,120AH,VRLA SMF BATTERY SET<br>WITH 19 MONOBLOCK (6V EACH)<br>PRECHARGED,WIH MODIFIED TRAY<br>TOSKED-644<br>Make : <b>AMARA RAJA</b><br>Lug date : <b>08/17</b> | RDSO/pe/spec/ac-0009 rev-1-<br>2008 amdt-1          | <b>01 set</b>  |
| 20. | Battery box for LHB coaches.<br>Make : <b>ANANYA</b>  | CC 91205  | <b>01</b>      |

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|------------------|--|
|                  |  |
| <b>SSE/EL/QC</b> | <b>SEE(P)/MCF/RBL/<br/>DYCEE/P&amp;P/MCF/RBL</b> |

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