



|   |  |   |                                |   |                     |                    |
|---|--|---|--------------------------------|---|---------------------|--------------------|
|   |  | <b>Modern Coach Factory Raebareli</b><br><b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b> |                                | DOC NO.: MCF/RBL/QMF 8002<br>REV NO: 01<br>DATE: 17.04.2018 |                     |                    |
| ROLLING STOCK CERTIFICATE (DEEN DAYALU)<br>Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1617   |  |   |                                |   |                     |                    |
| RLY   | SWR  | COACH NO  | 201584/C                       | DATE OF DISPATCH 13-Feb-20                                  |                     |                    |
| Type  | LWS  | Shell No.   | 96206                          | DISPATCH TO   | Sr.DME/MYS          |                    |
|   |  |   |                                | FUR.NO.   | DDG-329             |                    |
| 1. Railway Board's Order No. : 2019/M(C)/142/2, DATED-16-01-2020<br>2. TARE WEIGHT OF COACH : 40.66 Tonnes<br>3. Carrying Capacity : (a) Seating: 100 (c) Luggage: NIL<br>4. Special feature: |  |   |                                |   |                     |                    |
| S NO  | DESCRIPTION  |   |                                | MAKE/SUPPLIER   |                     |                    |
| A   | Cushion transverse side luggage rack which can serve as seat during rush                         |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| B   | Honey comb partition frame.  |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| C   | DGFRP/GFRE paneling.   |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| D   | Lavatory with DGFRP/GFRE paneling.   |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| E   | Additional Hand hold.  |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| F   | Counter top wash basin.  |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| G   | Gel coating & Anti Graffiti measures.  |   |                                | M/S-H.F GLASS WORKS VADODRA                                 |                     |                    |
| H   | Air spring in secondary suspension (capacity-140KN).   |   |                                | M/S-VIBGYOR   |                     |                    |
| I   | Fire Extinguishers   |   |                                | M/s-AVADH RAIL INFRA  |                     |                    |
| J   | Vestibule ends for inter-coach movement of passenger and the service staff (LWSCN type End wall) |   |                                | M/s-DEVIKA SAFTEY NDLS                                      |                     |                    |
| K- Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiv.) letter no. MC/LHB/Brake, DT. 27.09.18  |  |   |                                |   |                     |                    |
| 5. 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   |   |                                | NPP/PP  | 1105/1105           |                    |
| 6. TRACEABILITY OF SHELL ITEMS:   |  |   |                                |   |                     |                    |
| S NO  | ITEM   | MAKE/SUPPLIER   | SERIAL NO                      |   |                     |                    |
| 1   | Under frame  | Front Part  | PP END                         | M/S-RAIL TECH   | 28                  |                    |
|   |  |   | NPP END                        | M/S-RAIL TECH   | 28                  |                    |
|   |  | Complete  | M/S-RAIL TECH                  | 28  |                     |                    |
| 2   | Lav. side wall   | M/S-DTL PUNE  | LAV.1                          | LAV.2   |                     |                    |
|   |  | M/S-DTL PUNE  | LAV.3                          | LAV.4   |                     |                    |
| 3   | Side wall  | LH SIDE   | MCFRBL-CONT.V4U                | 62/01   |                     |                    |
|   |  | RH SIDE   | MCFRBL-CONT.V4U                | 62/02   |                     |                    |
| 4   | End wall   | PP END  | M/S-OMAX REWARI                |   |                     |                    |
|   |  | NPP END   | M/S-OMAX REWARI                |   |                     |                    |
| 5   | Roof   | MCF/CONT  | 35                             |   |                     |                    |
| 6   | Centre Buffer Coupler  | M/S-SANROK ENT  | PP END                         | 15170   | NPP END 15220       |                    |
| 7. AIR BRAKE 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> .                          | 6 – 10 sec.                    | 08 sec  |                     |                    |
|   |  | Max. pressure in BC   | 3.0 ±0.15 kg/cm <sup>2</sup> . | 3.0 kg/cm <sup>2</sup>                                      |                     |                    |
|   |  | All Brake are applied   | OK                             | 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  |                     |                    |
| 8. PAINTING DETAILS:  |  |   |                                |   |                     |                    |
| S NO  | DESCRIPTION  | TYPE OF PAINT   | MAKE                           | APPLICATION BY MCF/ CONTRACTOR (SUPPLY & APPLY)             | AVERAGE GLOSS VALUE | DATE OF COMPLETION |
| 1   | Paint  | P.U   | VIBGYOR                        | M/S-VIBGYOR   | 73/89               | 21-01-2020         |
| 2   | Insulation   |   |                                | Satisfactory  |                     |                    |

SSE/QC/MCF/RBL

वरि०अनु० अभियंता

गुणवत्ता विभाग

रे०डि०का०, रायबरेली (लालगंज)





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/2019-20/1617

|     |   |   |   |           |   |   |   |   |   |   |   |   |   |                  |   |   |   |   |   |   |   |   |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | S | W | R | Coach No. | 2 | 0 | 1 | 5 | 8 | 4 | / | C | - | DATE OF DISPATCH | 1 | 3 | 0 | 2 | 2 | 0 | 2 | 0 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

|          |            |      |   |   |   |   |   |   |           |   |   |   |   |   |        |         |
|----------|------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|--------|---------|
| DISPATCH | Sr.DME/MYS | Type | L | W | S | - | - | - | Shell No. | 9 | 6 | 2 | 0 | 6 | FUR NO | DDG-329 |
|----------|------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|--------|---------|

## 8. DETAIL OF BOGIES:

| ITEMS         | NPP Side                |                        |                        |                        | PP Side                |                        |                        |                        |
|---------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Bogie No      | 192594                  |                        |                        |                        | 192593                 |                        |                        |                        |
| Bogie Type    | FIAT                    |                        |                        |                        | 192593                 |                        |                        |                        |
| Frame no.     | AML-109 (AIR SPIRING)   |                        |                        |                        | FIAT                   |                        |                        |                        |
| Bolster no.   | AMIT-85                 |                        |                        |                        | AML-108 (AIR SPIRING)  |                        |                        |                        |
| Axle No       | 19N-8603 RWF            |                        | 19N-8641 RWF           |                        | 19P-1930 RWF           |                        | 19N-9377 RWF           |                        |
| Wheel Dia     | 917.379                 | 917.306                | 917.403                | 917.381                | 917.429                | 917.317                | 917.413                | 917.391                |
| Wheel Disc No | TZ 05-19<br>4-5325-9PF9 | TZ 07-19<br>66317-9RSO | TZ 07-19<br>63525-9RQ4 | TZ 04-19<br>36359-9MI7 | TZ 07-19<br>67552-9RM8 | TZ 07-19<br>62726-9RP8 | TZ 08-19<br>72822-9SL2 | TZ 08-19<br>72829-9SK2 |
| R.B. Nos.     | 09-19 30909             | 09-19 31599            | 11-19 41029            | 11-19 40493            | 11-19 40671            | 11-19 40696            | 11-19 40652            | 11-19 42416            |
| 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                        |
| Make & Nos. | AVADH RAIL INFRA LTD<br>11-19 5757 | AVADH RAIL INFRA LTD<br>11-19 5758 | AVADH RAIL INFRA LTD<br>11-19 5766 | AVADH RAIL INFRA LTD<br>11-19 5773 |

## 10. TRACEABILITY OF BOGIE ITEMS :-

| S. NO | ITEM                       | MAKE/SUPPLIER         | SERIAL NO.   |   |
|-------|----------------------------|-----------------------|--|---|
|       |                            |                       | NPP SIDE   | PP SIDE   |
| 1.    | Yaw Damper                 | IAI                   | 279591,280189  | 279961,279897   |
| 2.    | Primary outer Spring       | CMFSK/CMSTL           | 10-19 1100-114(1467,1521,1499,1463)  | 10-19 1100-114(1500,1449,1423,1424)   |
| 3.    | Primary Inner Spring       | CMFSK/CMSTL/<br>CMGBD | 10-19 1101-101(945,941,938,935)  | 10-19 (1101-101-617,1101-101-646,1100-101-1423,F06-842-632)                         |
| 4.    | Primary Damper             | KONI/IAI              | 03-19 (6648,6717,6996,07825)   | 11-19 (281480,281193,281809,281341)   |
| 5.    | Secondary Damper           | IAI                   | 10-19(266985,2711069)  | 10-19(276807,276992)  |
| 6.    | Lateral Damper             | KONI                  | 04-19 0996   | 04-19 02476   |
| 7.    | Brake Cylinder             | ESCORT                | 50631,50269,50267,50724  | 28630,50869,50871,49308   |
| 8.    | Brake Caliper              | ESCORT                | 29528,29188,29186,29531  | 28630,29682,29684,28630   |
| 9.    | Brake Disc                 | KBI                   | 2420704 0050-46-19,24206705 0009-46-19<br>24206711 00081-47-19,24206711 0060-47-19 | 24206704 0046-46-19,24206704 0064-46-19,<br>24206711 0046-47-19,24206711 0059-47-19 |
| 10.   | Ball Joint Control Arm     | ARYAN                 |  |   |
| 11.   | Lateral Bump Stop          | ARYAN                 |  |   |
| 12.   | Traction Centre make       | SARITA                |  |   |
| 13.   | Traction lever make        | AEW                   |  |   |
| 14.   | Ball joint traction lever  | ARYAN                 |  |   |
| 15.   | Ball joint traction centre | ARYAN                 |  |   |
| 16.   | Leveling Valve             | ESCORT                | 1906   | 1906  |
| 17.   | Check Valve                | ESCORT                | 1906   | 1906  |
| 18.   | Anti roll bar Make         | EMSON                 |  |   |
| 19.   | Roll Link make             | SARITA/GMT            |  |   |
| 20.   | Fork make                  | RNG                   |  |   |
| 21.   | Control Arm Upper          | SF/RU/RV              | 112,568,1608119-1,210819-1   | 190919-1,220919-2, 190919-2,210919-3  |
| 22.   | Control Arm Lower          | RU/RV                 | 210919-1,210919-3,180919-1,190919-7  | 210919-3,210919-3,190919-2,210919-3   |
| 23.   | Phonic Wheel               | ESCORT                |  |   |

Signature of SSE/Bogie/QC





|  |   |  |   |  |
|--|---|--|---|--|
|  | <b>Modern Coach Factory Raebareilly</b><br><b>आधुनिक रेल डिब्बा कारखाना, रायबरेली</b>                 |  | DOC NO.: MCF/RBL/QMF 8002<br>REV NO: 01<br>DATE: 17.04.2018 |  |
|  | ROLLING STOCK CERTIFICATE (DEEN DAYALU)<br>Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1617 |  |   |  |

|      |     |           |          |             |            |                  |           |
|------|-----|-----------|----------|-------------|------------|------------------|-----------|
| RLY  | SWR | COACH NO  | 201584/C | DISPATCH TO | Sr.DME/MYS | DATE OF DISPATCH | 13-Feb-20 |
| Type | LWS | Shell No. | 96206    |             |            | FUR.NO.          | DDG-329   |

### 12. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM                              | MAKE/SUPPLIER                         | SERIAL NO(NPP/PP) |
|------|-----------------------------------|---------------------------------------|-------------------|
| 1    | Air Brake Module                  | M/S- KBI                              |                   |
| 2    | Distribution valve                | M/S- KBI                              | 4325-48/19        |
| 3    | Pull box                          | M/S- KBI                              | 2019L9577         |
| 4    | FIBA                              | M/S- KBI                              |                   |
| 5    | Foot Step                         | M/S SSPL FARIDABAD                    | 7473/29,7127/29   |
| 6    | Decoupling arrangement            | M/S- KOHINOOR MUMBAI                  |                   |
| 7    | Floor board                       | M/S-TWPL MUMBAI                       |                   |
| 8    | PVC                               | M/S-H.F GLASS WORKS VADODRA           |                   |
| 9    | Lavatory inlay                    | M/S-H.F GLASS WORKS VADODRA           |                   |
| 10   | UIC Vestibule (PPE)               | M/S-SUNCREAST KOLKATA                 |                   |
| 11   | UIC Vestibule (NPPE)              | M/S-SUNCREAST KOLKATA                 |                   |
| 12   | Gangway bridge mounting (PPE)     | M/S- MAHAVEER MATEL WORKS, KAPURTHALA |                   |
| 13   | Gangway bridge mounting (NPPE)    | M/S- MAHAVEER MATEL WORKS, KAPURTHALA |                   |
| 14   | Body Side Window                  | M/S-H.F GLASS WORKS VADODRA           |                   |
| 15   | Emergency Window                  | M/S-H.F GLASS WORKS VADODRA           |                   |
| 16   | Lavatory/hopper Window            | M/S-H.F GLASS WORKS VADODRA           |                   |
| 17   | Roof Ceiling                      | M/S-H.F GLASS WORKS VADODRA           |                   |
| 18   | Door way /gang way ceiling        | M/S-H.F GLASS WORKS VADODRA           |                   |
| 19   | Body Side Doors                   | M/S-H.F GLASS WORKS VADODRA           |                   |
| 20   | Vestibule Door(PPE)               | M/S-JBM FARIDABAD                     |                   |
| 21   | Vestibule Door(NPPE)              | M/S-JBM FARIDABAD                     |                   |
| 22   | Bio Tank                          | M/S- JSL LIFE STYLE LTD.              |                   |
| 23   | Pressurized flushing(ele.pneu.)   | M/S-IMI                               |                   |
| 24   | Over head water tank (4x390L)     | M/S-AMIT ENG. MOHALI                  |                   |
| 25   | Bib cock/controlled discharge tap | M/s-JAQUAR PVT LTD ALWAR              |                   |
| 26   | Lavatory Doors                    | M/S-H.F GLASS WORKS VADODRA           |                   |
| 27   | Fire Extinguisher                 | M/s-DEVIKA SAFTEY NDLS                |                   |
| 28   | Water purified                    | M/S-H.F GLASS WORKS VADODRA           | 5533/5403         |
| 30   | Seat & Berth                      | M/S-H.F GLASS WORKS VADODRA           |                   |
| 31   | Luggage Rack                      | M/S-H.F GLASS WORKS VADODRA           |                   |
| 32   | Light Luggage Rack                | N/A                                   |                   |
| 33   | RFID                              | N/A                                   |                   |

SSE/QC/MCF/RBL  
 रायबरेली

मुद्रांकन विभाग  
 नं० डि० का०, रायबरेली (लालगंज)







Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002  
REV NO: 01  
DATE: 17.04.2018

ROLLING STOCK CERTIFICATE (DEEN DAYALU)  
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1617

|      |     |           |          |             |            |                  |           |
|------|-----|-----------|----------|-------------|------------|------------------|-----------|
| RLY  | SWR | COACH NO  | 201584/C | DISPATCH TO | Sr.DME/MYS | DATE OF DISPATCH | 13-Feb-20 |
| Type | LWS | Shell No. | 96206    |             |            | FUR.NO.          | DDG-329   |

13. MODIFICATION (IF ANY) : NIL

14. DEVIATION (IF ANY) : NIL

15. ITEM FITTED ON THE COACH ON TRIAL : NIL

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

16. WARRANTY:

| S NO | COMPONENTS  | WARRANTY   |
|------|---|--|
| 1    | Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain 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 30months from the 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 MCF/RBL.
5. For any complain/ suggestion please Mail at qualityrcfrbl@gmail.com
6. Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from 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 | SME/AME/QC/MCF/RBL | Dy. Chief Quality Manager |

वरिष्ठ अनुभाग अभियन्ता/गुणवत्ता  
Senior Section Engineer/Quality  
आधुनिक रेल डिब्बा कारखाना, रायबरेली  
Modern Coach Factory, Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली  
Modern Coach Factory Raebareli

उप मुख्य गुणवत्ता प्रबन्धक  
Dy. Chief Quality Manager  
आधुनिक रेल डिब्बा कारखाना, रायबरेली  
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

**FOR ELECTRICAL ITEMS**

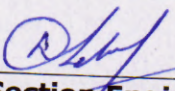
**ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG NONAC DD COACHES**

PAGE 1 OF 3

**ELECTRICAL TEST CERTIFICATE FOR LHB/EOG/HOG NON AC GS COACHES**

PAGE 1 OF 3

| ELECTRICAL TEST CERTIFICATE FOR LHB/EOG/HOG NON AC GS COACHES |                                       |                |            |            |         |         |
|---|---------------------------------------|----------------|------------|------------|---------|---------|
| SHELL/COACH NO  |                                       | 201584/C       |            | TYPE COACH |         | LWS/DDG |
| RAILWAY   | SWR                                   | ELECT.FIT DATE | 11-02-2020 | FUR.NO     | DDG-329 |         |
| Sr no   | Description of test                   |                |            |            |         | Remarks |
| 2.  | LIGHTS, 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

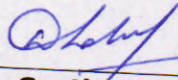
DATE: 18.01.2017

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG NONAC DD COACHES**

PAGE 2 OF 3

|     |   |   |           |
|-----|---|---|-----------|
| 01. | Switch board cabinet<br>Make : <b>SSK</b><br>On Board Sr no : <b>2019/07/187</b><br>HT Panel Sr no : <b>2019/07/166</b> | EDTS 333, Rev `01'Am-1  | <b>01</b> |
| 02  | Emergency light system for EOG type coaches (AEL), Make : <b>DR AUTO</b>  | EDTS 151,Rev -c Am-1 & 2  | <b>04</b> |
| 03. | Provision & Mounting of PACIL Assly.<br>Make: <b>KAVERI</b>   | As per<br>RDSO/PE/SPEC/TL/0091-<br>2016,REV-01, TYPE-I<br>Drg no. LW 76098.   | <b>02</b> |
| 04. | Fitment of Switch Plate Assly<br>(Cabin Side)<br>Make : <b>SSK</b>  | EDML 127,Rev-1&<br>DRG NO 4248ALT-a   | <b>10</b> |
| 05. | Fitment of Switch Plate Assly<br>(Corridor Side)<br>Make : <b>SSK</b>   | EDML 127,Rev-1 &<br>DRG NO 4249 ALT-a   | <b>10</b> |
| 06. | Fitment of Railway carriage Fan<br>400mm Sweep, 110V DC with<br>crash worthy features.<br>Make : <b>LIGHT ENGG.</b>     | IS 6680/92,First Rev,<br>RCF Amdt 4, Col I, Ty<br>XI, RCF Cor I.              | <b>30</b> |
| 07. | Provision of Cabin, Corridor,<br>doorway and Gangway Lights.<br>Make: <b>DR AUTO</b>                                    | As per<br>RDSO/PE/SPEC/TL-<br>0091(REV-1) TYPE B-1                            | <b>28</b> |
| 08. | Provision & Mounting of Lavatory<br>Light<br>Make: <b>ENSAVE</b>  | As per<br>RDSO/PE/SPEC/TL/0091<br>-2016,REV-01, TYPE-D &<br>Drg no. LW 76092. | <b>04</b> |

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





Modern Coach Factory Raebareli  
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DOC NO.: MCF/RBL/QEF/8001  
REV NO: 00  
DATE: 18.01.2017

**FOR ELECTRICAL ITEMS**

**ROLLING STOCK CERTIFICATE OF LHB/EOG/HOG NONAC DD COACHES**

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|     |   |  |                    |
|-----|---|--|--------------------|
| 09. | Battery fuse box +ve<br>Make : <b>SUPER</b>   | LW 71001,Alt-F   | <b>01</b>          |
| 10  | Battery fuse box -ve<br>Make : <b>RICHMOND</b>  | LW 71002,Alt-F   | <b>01</b>          |
| 11. | Regulated battery charger<br>Make : <b>WAVES</b><br>Sr no: <b>W4K5L 191236</b>  | As per RDSO/pe/spec/ac/0129,<br>Rev.-1 (2009)          | <b>01</b>          |
| 12. | 9KVA transformer<br>Make : <b>VIMAL</b><br>Sr no : <b>VTC 3089 LHB-2755</b>   | As per RDSO/PE/SPEC/TL<br>0158,2010, Rev`0',<br>TypeI. | <b>01</b>          |
| 13. | ZS coupling 400A/750V/03Ph/50hz.<br>Make : <b>PRIME ELECT.</b>  | As per spec No EDTS<br>105,Rev`e` Am-3 TYPE-2          | <b>01<br/>set</b>  |
| 14. | Feeder junction boxes.<br>Make : <b>MV ELECTRO</b>  | EDTS-328 REV-C   | <b>01<br/>set</b>  |
| 15. | Wheel set earthing equipment.<br>Make : <b>DARSHAN ENTERPRISES</b>  | EDTS101,REV-C,AM-1                                     | <b>02<br/>sets</b> |
| 16. | Wheel Slide Protection System (WSP)<br>Make : <b>KNORR</b><br>Sr no : <b>0119362732</b>   | M/s : <b>KNORR</b>                                     | <b>01 set</b>      |
| 17. | 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>11/19</b> | RDSO/pe/spec/ac-0009 rev-1-<br>2008 amdt-1             | <b>01 set</b>      |
| 18. | Battery box for LHB coaches.<br>Make : <b>TECHNO</b>  | CC 91205   | <b>01</b>          |

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| <b>SSE/EL/QC</b><br>वरिष्ठ अनुभाग अभियन्ता<br>गुणवत्ता नियंत्रण<br>आ०रे०डि०का० / लालगंज / रायबरेली<br>S.S.E/Elect-QC/M.C.F./LLJ/RBL | <b>AWM(ELECT.)/MCF/RBL</b><br><b>SEE(P)/MCF/RBL</b><br>स० कार्य प्रबन्धक / विद्युत<br>आ०रे०डि०का० / रायबरेली<br>A.W.M/Electrical/MCF/RBL |