



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/2020-21 /1248

|      |     |           |          |                  |                |
|------|-----|-----------|----------|------------------|----------------|
| RLY  | WCR | COACH NO  | 215523/C | DATE OF DISPATCH | 12-Mar-21      |
| Type | LWS | Shell No. | 20F181   | DISPATCH TO      | Sr.DME/C&W/JBP |
|      |     |           |          | FUR.NO.          | DDG-642        |

- Railway Board's Order No. 2019/M (C)/142/2, Date- 03.09.2019
- Tare weight of coach : 40.66 Tonnes
- Carrying Capacity : (a) Seating: 100 (c) Luggage: NIL

4. Special feature:

| S NO | ITEMS   | MAKE/SUPPLIER     |
|------|---|-------------------|
| A    | Cushion transverse side luggage rack which can serve as seat during rush                                      | M/S-VIBGYOR DELHI |
| B    | Honey comb partition frame.   | M/S-VIBGYOR DELHI |
| C    | DGFRP/GFRE paneling.  | M/S-VIBGYOR DELHI |
| D    | Lavatory with DGFRP/GFRE paneling.  | M/S-VIBGYOR DELHI |
| E    | Additional Hand hold.   | M/S-VIBGYOR DELHI |
| F    | Counter top wash basin.   | M/S-VIBGYOR DELHI |
| G    | Gel coating & Anti Graffiti measures.   | M/S-VIBGYOR DELHI |
| H    | Air spring in secondary suspension (capacity-140KN).  | M/S-RESISTOFLEX   |
| I    | Fire Extinguishers  | M/S-VARSHA FIRE   |
| J    | Vestibule ends for inter-coach movement of passenger and the service staff (LWSCN type End wall)              |                   |
| 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 1104/1105 |

6. TRACEABILITY OF SHELL ITEMS:

| S NO | ITEM                  | MAKE/SUPPLIER   | SERIAL NO  |
|------|-----------------------|---|--|
| 1    | Under frame           | PP END M/S-ULTRA ENGG<br>NPP END M/S-ULTRA ENGG<br>Complete MCF/RBL- AIRCON | ----<br>----<br>20F181                             |
| 2    | Lav. side wall        | PP END M/S-DTL PUNE<br>NPP END M/S-DTL PUNE                                 | LAV.1 ----- LAV.2 -----<br>LAV.3 ----- LAV.4 ----- |
| 3    | Side wall             | LH SIDE MCF/RBL-V4U LKO<br>RH SIDE MCF/RBL-V4U LKO                          | 52<br>52   |
| 4    | End wall              | PP END M/S-P.D.STEEL<br>NPP END M/S-P.D.STEEL                               | -----<br>-----                                     |
| 5    | Roof                  | M/S-INDIRA  | 50   |
| 6    | Centre Buffer Coupler | M/S-FRONTIETR   | PP END/ NPP END 239P2/65P1                         |

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> .<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 | 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 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                                     | 75/89               | 10-Mar-21          |
| 2    | Insulation  |               |         | Satisfactory                                    |                     |                    |

02/07/21  
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/2020-21 - 1248**

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

|          |                |      |   |   |   |   |   |   |           |   |   |   |   |   |   |        |          |
|----------|----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|--------|----------|
| DISPATCH | Sr.DME/C&W/IBP | Type | L | W | S | - | - | - | Shell No. | 2 | 0 | F | 1 | 8 | 1 | FUR.NO | DDG- 642 |
|----------|----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---|--------|----------|

**9. DETAIL OF BOGIES:**

| ITEMS         | NPP Side               |                        |                        |                        | PP Side                |                        |                        |                        |
|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Bogie No      | 202587                 |                        |                        |                        | 202588                 |                        |                        |                        |
| Bogie Type    | LWS                    |                        |                        |                        | LWS                    |                        |                        |                        |
| Frame no.     | ECBT - 953             |                        |                        |                        | ECBT - 954             |                        |                        |                        |
| Bolster no.   | MCF/RBL/LS5- 2864      |                        |                        |                        | MCF/RBL/LS-5 - 3159    |                        |                        |                        |
| Axle No       | 20 B -2354 RWF         |                        | 21 C - 3927 RWF        |                        | 21 C - 4072 RWF        |                        | 20 B - 5224 RWF        |                        |
| Wheel Dia     | 917.55                 | 917.57                 | 917.60                 | 917.61                 | 917.49                 | 917.57                 | 917.48                 | 917.51                 |
| Wheel Disc No | TZ 07-20<br>23388-OPM1 | TZ 09-20<br>25438-OTD4 | TZ 09-20<br>34806-ORD8 | TZ 09-20<br>34016-OSF1 | TZ 07-21<br>22181-0PL6 | TZ 09-20<br>32865-OSD7 | TZ 09-20<br>32862-OSD7 | TZ 09-20<br>33880-OSF3 |
| R.B. Nos.     | 06-20 413012           | 06-20 412612           | 06-20 412117           | 06-20 411246           | 06-20 411604           | 06-20 414363           | 06-20 412143           | 06-20 414396           |
| CT R B Make   | TIMKEN                 |                        | TIMKEN                 |                        | TIMKEN                 |                        | TIMKEN                 |                        |

**10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-**

| DESCRIPTION | Bogie NPP side              |                             | Bogie PP side               |                             |
|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|             | Secondary 1                 | Secondary 2                 | Secondary 1                 | Secondary 2                 |
| Make & Nos. | RESISTROFLEX<br>06-20 15341 | RESISTROFLEX<br>06-20 15287 | RESISTROFLEX<br>07-20 15494 | RESISTROFLEX<br>06-20 15247 |

**11. TRACEABILITY OF BOGIE ITEMS :-**

| S. NO | ITEM                       | MAKE/<br>SUPPLIER | SERIAL NO.   |                                      |
|-------|----------------------------|-------------------|--|--------------------------------------|
|       |                            |                   | NPP SIDE   | PP SIDE                              |
| 1.    | Yaw Damper                 | IAI               | 294651,301419  | 294163,294817                        |
| 2.    | Primary outer Spring       | CMAFJ             | 01-20-F07-154-(1514,1526,1521,1558)                      | 01-20-F07-154-(1548,1633,1559,1516)  |
| 3.    | Primary Inner Spring       | CMAFJ             | 01-20-F05-180-(489,495,443,480)                          | 03-20-F05-180-(449,427,499,458)      |
| 4.    | Primary Damper             | IAI               | 01-20 (299643,300678,299353,300955)                      | 01-20-(300366,301272,301342,299437)  |
| 5.    | Secondary Damper           | IAI               | 06-20 (326352,326520)                                    | 06-20 (326070,326623)                |
| 6.    | Lateral Damper             | KONI              | 04-19 00181  | 04-19 00344                          |
| 7.    | Brake Cylinder             | ESCORT            | 62014,62202,62203,62013                                  | 62967,62618,62617,62968              |
| 8.    | Brake Caliper              | ESCORT            | 39379,38994,38995,39378                                  | 39860,39267,39266,39861              |
| 9.    | Brake Disc                 | KBI               | 242241019-(0057,0054,0045)-49-20,<br>24241018-0064-49-20 | 24241014-(0065,0064,0068,0058)-47-20 |
| 10.   | Ball Joint Control Arm     | AR                |  |                                      |
| 11.   | Lateral Bump Stop          | GMT               |  |                                      |
| 12.   | Traction Centre make       | RNG               |  |                                      |
| 13.   | Traction lever make        | TAJ               |  |                                      |
| 14.   | Ball joint traction lever  | BONY              |  |                                      |
| 15.   | Ball joint traction centre | BONY/PRAG         |  |                                      |
| 16.   | Leveling Valve             | FAV               | L19-(374), K19-(819)                                     | E20- 236, C20- 997                   |
| 17.   | Check Valve                | FAV               | F20 - 219  | E20- 286                             |
| 18.   | Anti roll bar Make         | SF                |  |                                      |
| 19.   | Roll Link make             | RF+BASANT         |  |                                      |
| 20.   | Fork make                  | RNG               |  |                                      |
| 21.   | Control Arm Upper          | KUMAR             | N-(7740,9957,0538), D-(9830)                             | D-(9063,9380),N-(0536,8962)          |
| 22.   | Control Arm Lower          | KUMAR             | D-(8583,5846,8647,9947)                                  | D-(0510,9850), N-(9991,9994)         |
| 23.   | Phonic Wheel               | ESCORTS           | ESCORTS  | ESCORTS                              |

Signature of SSE/Bogie/QC



Modern Coach Factory Raebareli  
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002  
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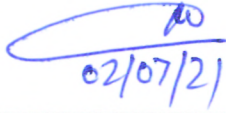
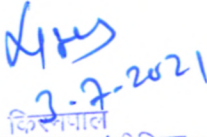

ROLLING STOCK CERTIFICATE (DEEN DAYALU)  
Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2020-21

|      |     |           |          |                  |                |
|------|-----|-----------|----------|------------------|----------------|
| RLY  | WCR | COACH NO  | 215523/C | DATE OF DISPATCH | 12-Mar-21      |
| Type | LWS | Shell No. | 20F181   | DISPATCH TO      | Sr.DME/C&W/JBP |
|      |     |           |          | FUR.NO.          | DDG-642        |

12. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM                              | MAKE/SUPPLIER                         | SERIAL NO(NPP/PP) |
|------|-----------------------------------|---------------------------------------|-------------------|
| 1    | Air Brake Module                  | M/S-ESCORT                            | 2021020857        |
| 2    | Distribution valve                | M/S-ESCORT                            | 2102A857          |
| 3    | Pull box                          | M/S-KBI                               |                   |
| 4    | FIBA                              | M/S-KBI                               | 11507/29,12132/29 |
| 5    | Foot Step                         | M/S-FABRICON INDS KOLKATA             |                   |
| 6    | Decoupling arrangement            | M/S-PULSAR INDS KOLKATA               |                   |
| 7    | Floor board                       | M/S-SHREE RAM PNL                     |                   |
| 11   | UIC Vestibule (NPPE)              | M/S-ELASTOMER MUMBAI                  |                   |
| 12   | Gangway bridge mounting (PPE)     | M/s- MAHAVEER METAL WORKS, KXH        |                   |
| 13   | Gangway bridge mounting (NPPE)    | M/s- MAHAVEER METAL WORKS, KXH        |                   |
| 14   | Body Side Window                  | M/S-VIBGYOR DELHI                     |                   |
| 15   | Emergency Window                  | M/S-VIBGYOR DELHI                     |                   |
| 16   | Lavatory/hopper Window            | M/S-VIBGYOR DELHI                     |                   |
| 17   | Roof Ceiling ACP                  | M/S-VIBGYOR DELHI                     |                   |
| 18   | Door way /gang way ceiling ACP    | M/S-VIBGYOR DELHI                     |                   |
| 19   | Body Side Doors                   | M/S-VIBGYOR DELHI                     |                   |
| 20   | Vestibule Door(PPE)               | M/s-JBM FARIDABAD                     |                   |
| 21   | Vestibule Door(NPPE)              | M/s-JBM FARIDABAD                     |                   |
| 22   | Bio Tank                          | M/s-RAIL FAB -02 NOS+JSL LIFE -02 NOS |                   |
| 23   | Pressurized flushing(ele.pneu.)   | M/S-OASIS                             |                   |
| 24   | Over head water tank (4x390L)     | M/S-FABRICATORS                       |                   |
| 25   | Bib cock/controlled discharge tap | M/S-VIBGYOR DELHI                     |                   |
| 26   | Lavatory Doors                    | M/S-VIBGYOR DELHI                     |                   |
| 27   | Fire Extinguisher                 | M/S-VARSHA FIRE                       | 10453,10629       |
| 28   | Water purified (02 nos)           | M/S-VIBGYOR DELHI                     |                   |
| 29   | Seat & Berth                      | M/S-VIBGYOR DELHI                     |                   |
| 30   | Luggage Rack                      | M/S-VIBGYOR DELHI                     |                   |
| 31   | Light Luggage Rack                | NIL                                   |                   |
| 32   | Ventury grill                     | M/S-VIBGYOR DELHI                     |                   |
| 33   | RFID                              | NIL                                   |                   |

02/07/21  
SSE/QC/MCF/RBL  
वरिष्ठ अनु अभियंता  
गुणवत्ता विभाग  
रेडिओका, रायबरेली (लालगंज)

|  |   |   |   |   |                             |                 |
|--|---|---|---|---|-----------------------------|-----------------|
|    |   | <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/2020-21   |   |   |   |   |                             |                 |
| RLY  | WCR   | COACH NO  | 215523/C  | DATE OF DISPATCH  |                             | 12-Mar-21       |
| Type   | LWS   | Shell No.   | 20F181  | DISPATCH TO   | Sr.DME/C&W/JBP              | FUR.NO. DDG-642 |
| 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. |   |   |   |   |                             |                 |
| <br>02/07/21  |   | <br>3-7-2021<br>किशोराजी |   | <br>3/7                            |                             |                 |
| SSE/QC/MCF/RBL   |   | SME/AME/QC/MCF/RBL  |   | Dy.CQM/MCF/RBL  |                             |                 |

वरि०अनु० अभियंता  
गुणवत्ता विभाग  
रे०डि०का०, रायबरेली (लालगंज)

सहायक मॉडिक इंजीनियर  
Asst. Mechanical Engineer  
आ. र. डि. का. रायबरेली  
MCF, RBL

कुमार  
Sudhir Kumar  
उप-प्रमुख गुणवत्ता प्रबन्धक  
Dy. Chief Quality Manager  
आधुनिक रेल डिब्बा कारखाना, रायबरेली  
Modern Coach Factory, Raebareli



# Vibgyor Paints & Chemicals Pondicherry

Office : Sri Balaji Apartments, 87/47, Harrington Road,  
Shenoy Nagar, Chennai - 600 030.  
Web : [www.vibgyorpaintspondicherry.com](http://www.vibgyorpaintspondicherry.com)

ISO : 9001 : 2015  
ISO : 14001 : 2015  
Certified Company

## WARRANTY CERTIFICATE

To,

DY.CME/FUR/PAINT  
MODERN COACH FACTORY  
RAEBARELI, LALGANJ- 229120

Date:- 11/03/2021

SUBJECT: -PERFORMANCE WARRANTY CERTIFICATE

REF: PO NO: 06190055100701 dated 20.05.2020

NAME OF WORK: SUPPLY AND APPLY OF EXTERIOR PAINT OF LHB DEEN DAYALU COACHES

Dear Sir,

With reference to above, we do here by confirm the warranty for Three years from the date of application of the delivered below mention coaches vide your above referred purchase order after application & date inspection at your end.

| SL.NO | SHELL NO        | FURNISHING NO | COACH NO | RAILWAY NO | DATE OF COMPLETION       |
|-------|-----------------|---------------|----------|------------|--------------------------|
| 14    | LWSDG<br>20F181 | DDG<br>642    | 215523   | WCR        | 19/02/2021<br>10/03/2021 |

The warranty is applicable from date of despatch against the below mention defects as per RDSO Specification no. M&C/PCN/100/2013.

Gloss level value of applied paint initial 85unit (on the date of painting) and minimum 80% 70% 860N of initial gloss after one year, two years, three years respectively from the date of application.

Decolonization of paint film.  
Cracking of paint film  
Peeling of paint film  
Blistering of the paint film

Thanking You

For Vibgyor paints & chemicals Pondicherry  
Authorized Signatory

Factory : S-51, Phase III, Sipcot Industrial Complex, Nellikuppam, Ranipet - 632 405.  
Ph : +91-4172-241478, Fax : +91-4172-242478, E-mail : [vpcedyr@yahoo.in](mailto:vpcedyr@yahoo.in), [ramuvibgyor@yahoo.in](mailto:ramuvibgyor@yahoo.in)

**We have Solutions for Ecofriendly Industrial Coatings**



|  |  |                           |
|--|--|---------------------------|
|  | <b>Modern Coach Factory Raebareli</b><br><b>आधुनिकरेलडिब्बाकारखाना, रायबरेली</b> | DOC NO.: MCF/RBL/QEF/8001 |
|  |  | REV NO: 01                |
|  |  | DATE: 29.06.2020          |

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**FOR ELECTRICAL ITEMS**

ROLLING STOCK CERTIFICATE OF LHB EOG NON AC GS COACH  
(ANTYODAYA & DEENDAYALU).

ELECTRICAL TEST CERTIFICATE FOR LHB EOG NON AC GS COACH.

| TYPE COACH | LWS/DDG   | SHELL/COACH NO     | 215523/C                      |
|------------|---|--------------------|-------------------------------|
| RAILWAY    | WCR   | ELECT. FIT<br>DATE | 11-03-2021<br>MCF FUR.<br>NO. |
| DDG - 642  |   |                    |                               |
| Sr.<br>no. | Description of tests  |                    | Remarks                       |
| 1.         | WORKING OF COMPARTMENT LIGHTS.                                  |                    | OK                            |
| 2.         | WORKING OF MOBILE CHARGING SOCKETS                              |                    | OK                            |
| 3.         | WORKING OF ACCIDENTAL EMERGENCY LIGHTS& PACIL                   |                    | OK                            |
| 4.         | RAILWAY CARRIAGE FAN  |                    | OK                            |
| 5.         | WHEEL SLIDE PROTECTION SYSTEM ( WSP )                           |                    | OK                            |
| 6.         | WORKING OF 9 KVA TRANSFORMER                                    |                    | OK                            |
| 7.         | WORKING OF REGULATED BATTERY CHARGER/EMERGENCY BATTERY CHARGER. |                    | OK                            |
| 8.         | SAFETY :  |                    | --                            |
| 8.1.       | FUSES AND THEIR RATING  |                    | OK                            |
| 8.2.       | CONTROL CIRCUIT   |                    | OK                            |
| 8.3.       | POWER CIRCUIT   |                    | OK                            |

Senior Section Engineer  
 Quality control / Electrical  
 Modern Coach Factory Raebareli





Modern Coach Factory Raebareli  
आधुनिकरेलडिब्बाकारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE: 29.06.2020

PAGE 2 OF 4

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC GS COACHES  
(ANTYODAYA & DEENDAYALU).

| Sr. no. | Description  | Drg./Spec no.  | Quantity per Coach |
|---------|--|--|--------------------|
| 01.     | Fitment of Switch board cabinet.(set of panel)<br>Make/Sr.no.: <b>NEC</b><br>On Board: <b>2020076502</b><br>HT Panel: <b>2020065553</b>                | EDTS 333, Rev`01`.Am-1   | <b>01 SET</b>      |
| 02.     | Provision of 9 KVA 750/415/190V, 03Ø AC.<br>Make : <b>VIMAL</b><br>Sr no.: <b>VTC 3089 LHB 4386</b>  | RDSO/PE/SPEC/TL 0158, 2010,<br>Rev`0`,Ty I.                                      | <b>01</b>          |
| 03.     | Mounting of 09KVA TFR.   | As per drg no<br>1.10113.0.76.300.001,Alt -B.                                    | OK                 |
| 04.     | Provision of wire rope assembly for Transformer.   | As per EDML-152, Rev.-Nil.   | OK                 |
| 05.     | 4.5 Kw Under slung type Constant Voltage Regulated Battery charger cum Emergency battery charger<br>Make: <b>SIGNOTRON</b><br>Sr. no.: <b>01200967</b> | As per spec no.<br>RDSO/PE/SPEC/AC/0183-2015(REV.-1)                             | <b>01</b>          |
| 06.     | Provision of Feeder Junction Box<br>Make : <b>MV ELECTRO SYSTEMS</b>   | EDTS-328 REV-C,AM-4,Type-II,COR-2  | <b>01 SET</b>      |
| 07.     | Provision of IVC dummy Socket assembly.  | As per Drg. No. LW71302,Alt-nil  | <b>01 SET</b>      |
| 08.     | Battery fuse box +ve<br>Make : <b>INDORAIL</b>   | As per LW 71001,Alt- H   | <b>01</b>          |
| 09.     | Battery fuse box -ve<br>Make : <b>AECO</b>   | As per LW 71002,Alt-I  | <b>01</b>          |
| 10.     | Provision of Battery boxes/ <b>Cradles.</b><br>Make: <b>HITECH</b>   | As per Drg. No. 110113.0.76.700.005<br>W/O item 5,22,23,26 & 27,Alt-C or Latest. | <b>01</b>          |
| 11.     | Provision of batteries Type:110 V, 120 AH VRLA SMF Battery Set.<br>Make: <b>AMARA RAJA</b> Lug Date: 06/20   | As per RDSO/PE/SPEC/AC/0009-2014 (Rev-2) with inner cell connectors or Latest.   | <b>01</b>          |

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ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC GS COACHES  
(ANTYODAYA & DEENDAYALU).

| Sr. no. | Description  | Drg./Spec no.  | Quantity per Coach |
|---------|--|--|--------------------|
| 12.     | Fitment of Railway carriage Fan 400mm Sweep, 110V AC with crash worthy features.<br>Make: <b>KAPSONS/VIDISHA</b> | As per Drg. No. ICF/SK-7-6-158, alt-g. RDSO/PE/SPEC/TL/0021-2005 (Rev-3) with RCF annex-1, am-1. | <b>30</b>          |
| 13.     | Fitment of LED Light fittings for Cabin, Doorway and Gangway area. 9 watt.<br>Make: <b>ENSAVE</b>                | As per RDSO/PE/SPEC/TL/0091-2016, Rev-1 with RCF Annex-1 .Type-B1.<br>Drg. No. CC76453.          | <b>28</b>          |
| 14.     | Fitment of LED Light fittings for Lavatory Lights. 9 Watt.<br>Make: <b>RT VISION</b>                             | As per RDSO/PE/SPEC/TL/0091-2016, Rev-1 with RCF Annex-1 Type-D.<br>Drg. No. LW76092.            | <b>04</b>          |
| 15.     | Fitment of LED Light fittings for PACIL.<br>Make: <b>AGASTYA</b>   | As per RDSO/SPEC/TL/0091-2016, Rev-1 with RCF Annex-1 Type-I. Drg. No. LW76098.                  | <b>02</b>          |
| 16.     | Fitment of Accidental Emergency Light (AEL)<br>Make: <b>INTEG</b>  | As per RDSO/SPEC/AC/0180-2016, Rev-0 , Type-II.  | <b>04</b>          |
| 17.     | Provision of Cable binder  | Drg. No. CC76120, Item - 1,2,3. 100mm, 200mm, 300mm respectively.                                | <b>OK</b>          |
| 18.     | Provision of Cable Jacket System.  | EDTS-138, Cor-2, Item-5,7,8,9,11.  | <b>OK</b>          |
| 19.     | Provision of Switch plate assembly along with mobile charging sockets.<br>Make: <b>SSK</b>                       | EDML-086, Rev-6, Am-1, Table-1, Item-1.  | <b>10</b>          |

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ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC GS COACHES  
(ANTYODAYA & DEENDAYALU).

| Sr. no. | Description   | Drg./Spec no.  | Quantity per Coach |
|---------|---|--|--------------------|
| 20.     | Provision of Switch plate assembly along with mobile charging sockets.<br>Make: <b>SSK</b>  | EDML-086, Rev-6, Am-1, Table-1, Item-2.  | <b>10</b>          |
| 21.     | Provision of High Capacity Inter – Vehicular Coupler Unit (ZS Coupling) (500 A, 750 V, 3ph, 50 Hz).<br>Make:<br>1.(NPP): <b>PRIME ELECT.</b><br>2.(PP): <b>PRIME ELECT.</b> | As per Spec. no.<br>RDSO/PE/SPEC/AC/0177(Rev.-0)-2013 with annexure-A, B.                      | <b>1 SET</b>       |
| 22.     | Mounting of Inter Vehicle coupler   | As per drg no.1.10113.0.74.000.001,Alt-B   | <b>OK</b>          |
| 23.     | Provision of Wheel Set Earthing equipment. Make:-<br>NPP: <b>DARSHAN ENTERPRISES</b><br>PP: <b>DARSHAN ENTERPRISES</b>  | EDTS101,REV-C,AM-1   | <b>1 SET</b>       |
| 24.     | Provision of Anti Skid Disk Brake System.(WSP)<br>Make : <b>ESCORTS</b><br>Sr no : <b>200600-62308-0073</b>   | As per MDTs 077,Rev.-2<br>M/s"FAIVELEY"<br>or "Knorr Bremse", or "ESCORTS"<br>or" JWL-DAKO-CZ" | <b>01 SET</b>      |

|  |                                      |
|--|--------------------------------------|
|  |                                      |
| SSE/EL/QC<br>वरिष्ठ अनुभाग अभियन्ता<br>गुणवत्ता नियंत्रण<br>आधुनिकरेलडिब्बाकारखाना / लालगंज / रायबरेली<br>S.S.E./Elect-QC/M.C.F./LLJ/RBL | AWM(ELECT)/MCF/RBL<br>SEE(P)/MCF/RBL |

