



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

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/136

| | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | C | R | - | Coach No. | 1 | 9 | 3 | 5 | 3 | 3 | / | C | DATE OF DISPATCH | 0 | 4 | - | 0 | 5 | - | 1 | 9 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|-------------|--------------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|----------|
| DISPATCH TO | SSE/STOCK/ CSTM | Type | L | W | A | C | C | N | Shell No. | 9 | 3 | 0 | 7 | 0 | FUR.NO. | L3T-1168 |
|-------------|--------------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|----------|

1. Railway Board's Order No. : 2019/M(C)/142/2, dated -30 -04-2019
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/-10 | 1) 1105 (NPPE) 2) 1105 (PPE) |

5. TRACEABILITY OF SHELL ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO |
|------|-----------------------|---------------------------------|----------------------------|
| 1. | Under frame | PP END M/s-SFPL | 91 |
| | | NPP END M/s-SFPL | 91 |
| | Complete | M/s-SFPL | 91 |
| 2. | Lav. side wall | M/s-RAIL TECH KXH | LAV.1 --- LAV.2 --- |
| | | M/s- RAIL TECH KXH | LAV.3 --- LAV.4 --- |
| 3. | Side wall | LH SIDE M/S- COMPETANT ENG. JUC | 03/01 |
| | | RH SIDE M/S- COMPETANT ENG. JUC | 03/02 |
| 4. | End wall | PP END M/s- OMAX REWARI | --- |
| | | NPP END M/s- OMAX REWARI | --- |
| 5. | Roof | M/s-ECBT | 39 |
| 6. | Centre Buffer Coupler | M/S- SANROK ,FARIDABAD | PP END 12271 NPP END 12313 |

6. AIRBRAKE TEST REPORT:

| S NO | ITEM | DESCRIPTION | SPEC. VALUE | OBSERVED |
|------|------------------------|--|---|---|
| 1. | Full brake application | ➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm ² . ➤ Max. pressure in BC ➤ All Brake are applied | 6 – 10 sec. 3.0 ±0.15 kg/cm ² . OK | 08 sec. 3.0 kg/cm ² OK |
| 2. | Insensitivity | ➤ Exhaust BP @ 0.3 kg/cm ² /min. | No brake application | OK |
| 3. | Sensitivity | ➤ Exhaust BP @ 0.1 kg/cm ² /Sec, after 06 Sec. | Brake must apply | OK |

7. PAINTING DETAILS:

| S NO | DESCRIPTION | TYPE OF PAINT | MAKE | APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY) | AVERAGE GLOSS VALUE | DATE OF COMPLETION |
|------|-------------|---------------|--------|--|---------------------------|-----------------------|
| 1. | Paint | P.U | M/S-GS | SUPPLY & APPLY | 89/89 | 16.04.19 |
| 2. | Insulation | | | Satisfactory | | |

[Signature]
SSE/QC/MCF/RBL

गुणवत्ता विभाग
रेडिओका, रायबरेली (नालगंज)



MCF/RBL



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

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|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | C | R | - | Coach No. | 1 | 9 | 3 | 5 | 3 | 3 | / | C | - | DATE OF DISPATCH | 0 | 4 | 0 | 5 | 2 | 0 | 1 | 9 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|----------|----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|--------|----------|
| DISPATCH | SSE/STOCK/CSTM | Type | L | W | A | C | C | N | Shell No. | 9 | 3 | 0 | 7 | 0 | FUR.NO | L3T-1168 |
|----------|----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|--------|----------|

8. DETAIL OF BOGIES:

| ITEMS | NPP Side | | | | PP Side | | | |
|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Bogie No | 182744 | | | | 182743 | | | |
| Bogie Type | FIAT | | | | FIAT | | | |
| Frame no. | MCF/RBL-1212 | | | | MCF/RBL-1502 | | | |
| Bolster no. | APEX-54 | | | | VS-372 | | | |
| Axle No | 18 H- 8835 RWF | | 18 H- 6880 RWF | | 18 J- 2304 RWF | | 18 J- 5532 RWF | |
| Wheel Dia | 917.566 | 917.609 | 917.559 | 917.588 | 917.524 | 917.604 | 917.552 | 917.589 |
| Wheel Disc No | TZ 05-18 24072-8PM9 | TZ 07-18 41677-8RP5 | TZ 08-17 30373-7SG3 | TZ 09-17 33387-7SJ3 | TZ 08-18 45863-8RR6 | TZ 04-18 14126-8MV6 | TZ 08-18 30940-7SJ6 | TZ 05-18 18526-8PN2 |
| R.B. Nos. | 07-18 16701 | 09-18 21668 | 09-18 21225 | 09-18 21044 | 07-18 17630 | 09-18 21184 | 07-18 17674 | 09-18 21666 |
| 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. | CMFSK12-18-8836-496-62 | CMRSK12-18-F19-S46-19A-1406 | CMFSK12-18-8836-496-24 | CMRSK12-18-F19-S46-19A-1568 | CMAFJ11-18-L001-8836-496-37 | CMFSK12-18-F16-S46-19A-1737 | CMAFJ11-18-L001-8836-496-49 | CMRSK12-18-F19-S46-19A-1738 |
| Compressed Ht. at Tested Load | 514 | 466 | 514 | 468 | 514 | 468 | 514 | 468 |
| Alignment deviation (mm) | 10 | 29 | 12 | 29 | 5 | 16 | 5 | 16 |

10. TRACEABILITY OF BOGIE ITEMS :-

| S. NO | ITEM | MAKE/SUPPLIER | SERIAL NO. | |
|-------|----------------------------|---------------|--|--|
| | | | NPP SIDE | PP SIDE |
| 1. | Yaw Damper | KBI | 17240,17230 | 17232,18242 |
| 2. | Primary outer Spring | CMGBD | 08-18 411(107-163,98-192,107-195,105-199) | 08-18 411(105-271,172,98-185,28) |
| 3. | Primary Inner Spring | CMRSK | 10-18 04Y(8259,9094,8345,8719) | 10-18 04Y(8368,8100,8685,6816) |
| 4. | Primary Damper | KNORR | 12-18 (47776,47764,48915,47729) | 12-18 (47336,48905,47346,47276) |
| 5. | Secondary Damper | IAI | 12-18 (230953,230890) | 12-18 (230904,230834) |
| 6. | Lateral Damper | IAI | 12-18 237331 | 12-18 235319 |
| 7. | Brake Cylinder | FAV | (N18-084,031,147,M18-462) | (M18-461,N18-146,148,M18-463) |
| 8. | Brake Caliper | FAV | A19(107,106,090,092)B | A19(091,089,093,095)B |
| 9. | Brake Disc | KBI | 24162322 0037-41/18,24162322 0046-41/18 24162322 0039-41/18,24162322 0040-41/18 | 24162275 0032-39/18,24162274 0024-39/18 24162322 0045-41/18,24164609 0004-42/18 |
| 10. | Ball Joint Control Arm | AR | | |
| 11. | Lateral Bump Stop | GMT | | |
| 12. | Traction Centre make | SARITA | | |
| 13. | Traction lever make | JI | | |
| 14. | Ball joint traction lever | AR | | |
| 15. | Ball joint traction centre | AR | | |
| 16. | Secondary Rubber Pad | PPI | | |
| 17. | Rubber Spring | GMT | | |
| 18. | Anti roll bar Make | EMSON | | |
| 19. | Roll Link make | SARITA/GMT | | |
| 20. | Fork make | ASL | | |
| 21. | Control Arm Upper | RVE | 061218-2,011218-2,291118-2,071218-2 | 011218-1,301118-1,031218-1,291118-2 |
| 22. | Control Arm Lower | RVE | 051218-4,191118-4,281118-3,281118-4 | 051218-3,051218-4,051218-4,311118-3 |
| 23. | Phonic Wheel | FAV | FT/KEP/1548 | FT/KEP/1548 |

Signature of SSE/Bogie/QC



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|---------------------------------------|---|--------------------|---|-----------|------|---|---|---|---|---|---|-----------|------------------|---|---|---|---|---------|---|----------|---|--|
| Form No.: MCT/RB/QC/RSC/2019-20/136 | | | | | | | | | | | | | | | | | | | | | | |
| RLY | C | R | - | Coach No. | 1 | 9 | 3 | 5 | 3 | 3 | / | C | DATE OF DISPATCH | 0 | 4 | - | 0 | 5 | - | 1 | 9 | |
| DISPATCH TO | | SSE/STOCK/ CSTM | | | Type | L | W | A | C | C | N | Shell No. | 9 | 3 | 0 | 7 | 0 | FUR.NO. | | L3T-1168 | | |
| 11. TRACEABILITY OF FURNISHING ITEMS: | | | | | | | | | | | | | | | | | | | | | | |

11. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO |
|------|----------------------------------|---|-----------------------|
| 1. | Air Brake Module | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | B19141 B |
| 2. | Distribution valve | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | 19025660 B |
| 3. | Pull box | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | |
| 4. | Foot Step | M/S- SUPER SPARK PVT.LTD.FARIDABAD | |
| 5. | Decoupling arrangement | M/S- KOHINOOR KR, MUMBAI | |
| 6. | Floor board | M/s- T.W.P.L. INDUS. MUMBAI | |
| 7. | PVC | M/S RESPONSIVE IND.MUMBAI | |
| 8. | UIC Vestibule (PPE) | M/S-ELASTOMER LINING WORKS, MUMBAI | |
| 9. | UIC Vestibule (NPPE) | M/S-ELASTOMER LINING WORKS, MUMBAI | |
| 10. | Gangway bridge mounting (PPE) | M/s- MAHAVEER METAL WORKS, KXH | |
| 11. | Gangway bridge mounting (NPPE) | M/s- MAHAVEER METAL WORKS, KXH | |
| 12. | Body Side Window | M/s- BIRKON ENGG.GZB | |
| 13. | Emergency Window | M/s- BIRKON ENGG.GZB | |
| 14. | Lavatory/hopper Window | M/S- AXSYS SIWTION DELHI | |
| 15. | Roof Ceiling | M/s-MSL (MOBILITY SOLUTION LTD.) MOHALI | |
| 16. | Door way /gang way ceiling | M/S- AMIRCHAND ENGG.WORKS, JALANDHAR | |
| 17. | Supply Air Duct | M/S- HANSPAL TRADERS, KXH | |
| 18. | Partition panel | M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA | |
| 19. | Partition pillar | M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA | |
| 20. | Side Wall panel | M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA | |
| 21. | AC Trough | M/s- MEENA FIBER GLASS INDUS. PUDUCHERY | |
| 22. | Body Side Door | M/s- JVR INDS, LUDHIYANA | |
| 23. | Compartment Door (PPE) | M/S- KALSI FAB PVT LTD .LDH | |
| 24. | Compartment Door (NPPE) | M/S- KALSI FAB PVT LTD .LDH | |
| 25. | Vestibule Door(PPE) | M/S- JBM INDUSTRIES, FARIDABAD | |
| 26. | Vestibule Door(NPPE) | M/S- JBM INDUSTRIES, FARIDABAD | |
| 27. | Bio Tank | M/s- FLASH FORGE (P)LTD. VIZAG | |
| 28. | Auxiliary Water Tank | M/S- MANOJ ENT,MOHALI | |
| 29. | Under Slung Water Tank (2X685L) | M/S- AMIT ENG. MOHALI | |
| 30. | Under Slung Water Tank (1x450 L) | M/S- AMIT ENG. MOHALI | |
| 31. | Flexible Faucet | M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA | |
| 32. | Lotah Filler Tap | M/S- HINDUSTAN FIBRE & GLASS LTD. VADODARA | |
| 33. | Bib cock | M/s- JAQUAR PVT.LTD. ALWAR | |
| 34. | Lavatory Modules | M/s-CMT MECHANISED SYSTEM PV. LTD. VADODARA | |
| 35. | Lavatory Doors | M/s-CMT MECHANISED SYSTEM PV. LTD. VADODARA | |
| 36. | Fire Extinguisher | M/S- COPITAL FIRE ENGG. | PPE-06981 ,NPPE-06955 |
| 37. | Seat & Berth | M/S- TWPL MUMBAI | |
| 38. | Light Luggage Rack | M/S- TECHO INDS, ALD. | |
| 39. | Snack Table | M/S- DLJM, NOIDA | |

Rema
SSE/QC/MCF/RBL

गुणवत्ता विभाग
रेजिडेंट, रायबरेली (मालगंज)





Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

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| | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------------|---|---|-----------|---|---|---|---|---|---|-----------|---|------------------|---|---|---|---------|----------|---|---|---|
| RLY | C | R | - | Coach No. | 1 | 9 | 3 | 5 | 3 | 3 | / | C | DATE OF DISPATCH | 0 | 4 | - | 0 | 5 | - | 1 | 9 |
| DISPATCH TO | SSE/STOCK/ CSTM | | | Type | L | W | A | C | C | N | Shell No. | 9 | 3 | 0 | 7 | 0 | FUR.NO. | L3T-1168 | | | |

12. MODIFICATION (IF ANY) : NIL

13. DEVIATION (IF ANY) : NIL

14. ITEM FITTED ON THE COACH ON TRIAL : NIL

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

15. WARRANTY:

| S NO | COMPONENTS | WARRANTY |
|------|---|---|
| 1 | Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain 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 गुणवत्ता विभाग रेडिओहाउ, रायबरेली (नालगंज) | SME/QC/MCF/RBL Senior Mechanical Engineer Quality आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory Raebareli | Dy.CQM/MCF/RBL Dy. Chemist & Metallurgist 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

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

| TYPE COACH | LWACCN | SHELL/COACH NO | 193533/C |
|------------|---|--------------------|----------|
| RAILWAY | CR | DATE OF DESPATCH | |
| Sr no | Description of tests | Remarks | |
| 1.0 | REFERENCE SPECIFICATION : L 446 | | |
| 1.1 | AIR CONDITIONING TEST : ELPS/TP/AC 01. | | |
| 1.2 | CODE OF PRACTICE OF WIRING : ELPS/SPEC/EOG/AC-01 | | |
| 2.0 | INSULATION RESISTANCE : Setting of insulation monitoring relay at 30K ohms as per TD 111 of M/s LHB. | | |
| | Observed status : HEALTHY | | |
| 3.0 | AIR DELIVERY MEASUREMENT | OBSERVED VALUE | OK |
| 3.1 | Fresh Air | 19.80 Cub mtr/min | OK |
| 3.2 | Return Air | 67.41 Cub mtr/min | OK |
| 3.3 | Exhaust Air | 7.15 Cub mtr/min | OK |
| 3.4 | Conditioned Air | 162.22 Cub mtr/min | OK |
| 4.0 | PRE COOLING TEST: Max 01 hr. Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition PP Side : 20.9 °C NPP Side : 21.3 °C | OK | |
| 5.0 | PULL DOWN TEST: Max 02 hrs. Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition. Not done. | OK | |

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB EOG AC COACHES

| Sr no | Description of test | Remarks |
|-------|--|---------|
| 6.0 | HUMIDITY CONTROL | OK |
| 7.0 | PUMP EQUIPMENTS | OK |
| 8.0 | WORKING OF EXHAUST FANS OVER LAVATORIES | OK |
| 9.0 | WORKING OF COMPOSITE PANTRY | OK |
| 10.0 | COMPARTMENT LIGHT | OK |
| 11.0 | PUBLIC ADDRESSING SYSTEM (PAS) | OK |
| 12.0 | WHEEL SLIDE PROTECTION SYSTEM (WSP) | OK |
| 13.0 | WORKING OF 60KVA TRANSFORMER | OK |
| 14.0 | WORKING OF REGULATED BATTERY CHARGER | OK |
| 15.0 | WORKING OF EMERGENCY BATTERY CHARGER | OK |
| 16.0 | SAFETIES : | |
| 16.1 | THERMOSTAT : | OK |
| 16.2 | ROTARY 07 SET POINTS (NORMAL CONDITION) | OK |
| 16.3 | MID SET POINTS (SENSORS FAILED CONDITIONS) | OK |
| 16.4 | HYGROSTAT | OK |
| 16.5 | CONTROL CIRCUIT | OK |
| 16.6 | POWER CIRCUIT | OK |
| 17.0 | REFRIGERANT USED R 407C | OK |

W 17/5/19

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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|---|--------------------|
| 01. | Roof mounted AC package unit for LHB AC coaches. Make : AMIT ENGG. Sr no of RMPU (NPP side): 3436 C Sr no of RMPU (PP side) : 3433 C Sr no of Microprocessor: AE 19.03.305 | As per rdso/pe/spes/ac/0061/rev-1/2005 | 02 |
| 02. | Switch board cabinet Make : TROLEX Sr no : 181161 | RDSO/PE/SPEC/AC/0184-2015 REV-0 | 01 |
| 03. | Pump equipment with PLC controller & pump box Make : DR AUTO Sr no PA : 2019/02/125 Sr no.1 : 19010721 Sr no.2 : 19010886 Sr no.CPA : 7516/09/18-KALSI | As per spec EDTS 186,Rev-a, Am- 2 | 01 |
| 04. | Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cum mtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : INTEG | EDTS331, TYPE-1 CORR.-1&2 | 02 |
| 05. | Door way/Gangway Light Make : DR AUTO | RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N | 07 |
| 06. | Provision of Passenger area light(Cabin) Make: RT VISION | As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L | 09 |
| 07. | Corridor Light with Night light Make: RT VISION | RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M | 09 |
| 08. | Emergency light system for EOG type coaches (AEL) Make : CONCORD/VGS | EDTS 151,Rev -c Am-1 & 2 | 04 |
| 09. | Lavatory light fitting assly Make : K.LITE | LW 76001,Alt nil | 04 |
| 10. | Toilet indication (WC) light, Make: AGASTYA | As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1 | 04 |
| 11. | Passenger alarm coach indication light Make : DR AUTO | LW 76005,Alt-e | 02 |

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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

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| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|--|--------------------|
| 12. | Razor socket for WC 110/240V. Make : SSK | EDML 047,Rev nil | 04 |
| 13. | Terminal strip Make : WAGO | EDML 034,Rev-a | 01 |
| 14. | Terminal connector Make : WAGO | EDML 037,Rev`a' | 04 |
| 15. | Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make : SSK | EDML 0,64,Rev-B, Item 04. | 09 |
| 16. | Single switch 06A/250V/AC ONE WAY complete with steel plate & cover frame Make : SSK | EDML 0,64,Rev-B, Item 05. | 09 |
| 17. | Provision of switch socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make : SSK | EDML 0,64,Rev-B, Item -16. | 09 |
| 18. | PA system for LHB coaches Make : AHUJA | EDTS 173,Rev- a Am- 1,2&3 | 01 set |
| 19. | 70AH/110V,54 Cells,02V each ,maintenance free pure lead acid tin monoblock ,battery set with 09 modules 12V each. , factory pre charged. Make : HBL Lug date : 02/19 | EDTS 129,Rev nil | 01 set |
| 20. | Battery box for LHB coaches. Make : NIL | 1 10113 0 76 700 005 w/o item 5,22 ,23 ,26 & 27. | 01 |
| 21. | Battery fuse box +ve Make : AECO | As per LW 71001,Alt- F | 01 |
| 22. | Battery fuse box -ve Make : NEC | As per LW 71002,Alt- F | 01 |

17/5/19
Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli





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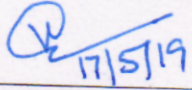

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DATE:18.01.2017

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ROLLING STOCK CERTIFICATE OF LHB/EOG AC COACHES

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|---|--------------------------|
| 23. | Emergency battery charger Make : BHASIN Sr no: 01196170 Make : WAVES Sr no: WEBCC 161679 | EDTS 163,Rev `c' corg.- 2&3 | 02 |
| 24. | Provision of 5KVA TFR Make : BHASIN SL.no : 11182926 | As Per EDTS-366,REV- NIL & CC-71510 | 01 |
| 25. | Provision of capacitor Bank Make : KONTACT SL.no : KT-617 | As per EDML-130 Rev- 1,Corr-1 | 01 |
| 26. | 60KVA transformer Make : VIMAL Sr no : VTC-3089 LHB-7201 | As per rdso/pe/spec/ac/0080/rev- 0 (2007)/Am-1&2/Corr. 1,2&3 | 01 |
| 27. | Inter Vehicle (ZS)coupler Make: MAA LAXMI INDUSTRIES. | As per RDSO PE SPEC- 0177-2013 REV-0 | 01 set |
| 28. | Feeder junction boxes. Make : NEC | EDTS-328 REV-C | 01 set |
| 29. | Wheel set earthing equipment. Make : DARSHAN INTERPRISES | EDTS101,REV-C,AM-1 | 02 sets |
| 30. | Wheel Slide Protection System (WSP) Make : FAIVELEY Sr no : 01/19/111 | M/s : FAIVELEY | 01 set |
| 31. | PANTRY EQUIPMENTS : Hot Case & Bottle cooler cum deep freezer Make : SUPER | As per EDTS -139, Rev- E ,Sec II. | 01 |

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|  |  |
| SSE/EL/QC | AWM(ELECT.)/MCF/RBL |
| वरिष्ठ अनुभाग अभियन्ता | SEE(P)/MCF/RBL |

गुणवत्ता नियंत्रण
आपरेटिंग/लालगंज/रायबरेली
S.S.E./Elect-QC/M.C.F./LLJ/RBL

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