



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMP 8002

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No. MCF/RBL/QC/RSC/2019-20/940

| | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | N | R | - | Coach No. | 1 | 9 | 7 | 1 | 2 | 8 | / | C | DATE OF DISPATCH | 2 | 3 | - | 1 | 0 | - | 1 | 9 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|-------------|-----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|-----------|
| DISPATCH TO | Sr.DME(CHG)/FZR | Type | L | W | S | C | N | 1 | Shell No. | 9 | 7 | 2 | 8 | 8 | FUR.NO. | LSCNG-329 |
|-------------|-----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|-----------|

- Railway Board's Order No. : 2019/M(C)/142/2, Dated-03-06-2019
- Tare Weight of Coach : 41.24 Tones
- Carrying Capacity : (a) Seating : 80 (b) Sleeping : 80 (c) Luggage : NIL
- Special feature: -

| S NO | DESCRIPTION | MAKE/SUPPLIER |
|------|--|---------------------|
| A. | Epoxy flooring in lavatory | M/S-ACME INDIA NDLS |
| B. | Anti slip friendly Grab Bar | M/S-ACME INDIA NDLS |
| C. | Provision of Health Faucet in lavatories | M/S-ACME INDIA NDLS |
| D. | Washbasin counter Top (Corian of Duport or Montelli) | M/S-ACME INDIA NDLS |
| E. | GFRE ceiling instead of NFTC | M/S-ACME INDIA NDLS |
| F. | DGFRP panels instead of LP panels | M/S-ACME INDIA NDLS |
| G. | Honey Comb partition frame with DGFRP sheet instead of FRP sheet | M/S-ACME INDIA NDLS |
| H. | Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiveley) letter no. MC/LHB/Brake, Dated 27.09.2018 | M/S-ACME INDIA NDLS |
| I. | RFID(Radio frequency identification) fitted for traceability of coach | |

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 |
| | | 1) 1105 (NPPE) 2) 1105 (PPE) |

6. TRACEABILITY OF SHELL ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO |
|------|-----------------------|---|----------------------------|
| 1. | Under frame | PP END M/S-M.TECH | 197 |
| | Front Part | NPP END M/S-M.TECH | 197 |
| | Complete | M/S-M.TECH | 197 |
| 2. | Lav. side wall | M/S-ATHANACY RBL | LAV.1 - LAV.2 - |
| | | M/S-ATHANACY RBL | LAV.3 - LAV.4 - |
| 3. | Side wall | M/S-E.C.BLADES & TOOL PVT. LTD CDG | 04/ECBT |
| | LH SIDE | M/S-E.C.BLADES & TOOL PVT. LTD CDG | 04/ECBT |
| | RH SIDE | M/S-E.C.BLADES & TOOL PVT. LTD CDG | -- |
| 4. | End wall | PP END MCF/RBL | -- |
| | | NPP END MCF/RBL | -- |
| 5. | Roof | MCF/CONT. | 119 |
| 6. | Centre Buffer Coupler | M/S-FAIVELEY TRANSPORT TECH.INDIA LTD BADDI(HP) | PP END 19084 NPP END 19082 |

7. 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 | 07 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 |

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 | M/s-BERGER | (SUPPLY & APPLY) | 90/89 | 01.10.19 |
| 2. | Insulation | | | Satisfactory | | |

SSE/QC/MCF/RBL

गुणवत्ता विभाग

रेडिस्ट्रीट, रायबरेली (उत्तर प्रदेश)



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/2019-20/940

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | N | R | - | Coach No. | 1 | 9 | 7 | 1 | 2 | 8 | / | C | - | DATE OF DISPATCH | 2 | 3 | 1 | 0 | 2 | 0 | 1 | 9 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|----------|----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|--------|------------|
| DISPATCH | Sr.DME/CHG/FZR | Type | L | W | S | C | N | 1 | Shell No. | 9 | 7 | 2 | 8 | 8 | FUR.NO | LSCN-G-329 |
|----------|----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|--------|------------|

9. DETAIL OF BOGIES:

| ITEMS | NPP Side | | | | PP Side | | | |
|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Bogie No | 191916 | | | | 191915 | | | |
| Bogie Type | FIAT | | | | FIAT | | | |
| Frame no. | RBL/LS5-1213 | | | | RBL/LS5-774 | | | |
| Bolster no. | RBL/LS5-952 | | | | RBL/LS5-1218 | | | |
| Axle No | 19 S- 1641 RWF | | 19 S- 0828 RWF | | 19 S- 1954 RWF | | 19 S- 2824 RWF | |
| Wheel Dia | 917.41 | 917.515 | 917.398 | 917.544 | 917.376 | 917.492 | 917.421 | 917.554 |
| Wheel Disc No | TZ 06-19 60799-9QH7 | TZ 07-19 65669-9RS6 | TZ 07-19 64867-9RP3 | TZ 07-19 64634-9RQ1 | TZ 07-19 68666-9RQ3 | TZ 07-19 53658-9PD3 | TZ 07-19 55055-9QH1 | TZ 07-19 60798-9QH7 |
| R.B. Nos. | 08-19 24132 | 08-19 27269 | 08-17 25962 | 08-19 23231 | 08-19 25959 | 08-19 27312 | 08-19 24542 | 08-19 26720 |
| 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. | TAYAL & CO. Sr.NO.19-09 3805 | TAYAL & CO. Sr.NO.19-07 3404 | TAYAL & CO. Sr.NO.09-19 3702 | TAYAL & CO. Sr.NO.09-19 3689 |

11. TRACEABILITY OF BOGIE ITEMS :-

| S. NO | ITEM | MAKE/SUPPLIER | SERIAL NO. | |
|-------|----------------------------|---------------|--|--|
| | | | NPP SIDE | PP SIDE |
| 1. | Yaw Damper | KBI | 17708,17711 | 17728,17786 |
| 2. | Primary outer Spring | CMFSK | 07-19 07A(1962,1997,2270,2074) | 09-19 1100-078(1973,2312,1957,2318) |
| 3. | Primary Inner Spring | CMSTL | 09-19 06A (13,1570,2451,02034) | 09-19 06A (4269,610,39,216) |
| 4. | Primary Damper | KONI | 03-19 (00308,00490,02451,02034) | 03-19 (02040,02040,02567,02044) |
| 5. | Secondary Damper | KONI/GB | 04-19 (01473,01626) | 07-19 (01625,01482) |
| 6. | Lateral Damper | KONI | 04-19 02367 | 04-19 02391 |
| 7. | Brake Cylinder | KBI | B(8088,7365,7222,8226)K29 | B(8308,7219,7238,8217)K29 |
| 8. | Brake Caliper | KBI | B(5160,5448,5330,5333)-29 | B(5335,5339,5336,5332)-29 |
| 9. | Brake Disc | KBI | 24200061 0011-38/19,24100061 0012-38/19 24100061 0023-38/19,24100061 0022-38/19 | 24100061 0015-38/19,24100061 0061-38/19 24100061 0013-38/19,24100061 0014-38/19 |
| 10. | Ball Joint Control Arm | GMT | | |
| 11. | Lateral Bump Stop | GMT | | |
| 12. | Traction Centre make | SARITA | | |
| 13. | Traction lever make | JI | | |
| 14. | Ball joint traction lever | GMT | | |
| 15. | Ball joint traction centre | GMT | | |
| 16. | Leveling Valve | KNORR | | |
| 17. | Check Valve | KNORR | | |
| 18. | Anti roll bar Make | EMSON | | |
| 19. | Roll Link make | SARITA/GMT, | | |
| 20. | Fork make | EMSON | | |
| 21. | Control Arm Upper | RVE | 310719-2,300719-1,300719-1,300719-1 | 250719-2,290719-1,300719-5,300719-2 |
| 22. | Control Arm Lower | RVE | 250719-5,250719-2,280719-1,310719-2 | 200719-1,250719-5,250719-2,310719-2 |
| 23. | Phonic Wheel | KNOOR | K-08-19 | K-08-19 |

Signature of SSE/Bogie/QC



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DOC NO.: MCF/RBL/QMF 8002

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

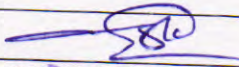
Rolling Stock Certificate No. MCF/RBL/QC/RSC/2019-20/940

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| | | | | | | | | | | | | | | | | |
|-------------|-----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|-----------|
| DISPATCH TO | Sr.DME(CHG)/FZR | Type | L | W | S | C | N | 1 | Shell No. | 9 | 7 | 2 | 8 | 8 | FUR.NO. | LSCNG-329 |
|-------------|-----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|-----------|

12. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO |
|------|----------------------------------|--|------------------|
| 1. | Air Brake Module | M/S- KBI, FARIDABAD | |
| 2. | Distribution valve | M/S- KBI, FARIDABAD | 3668 - 36/19 |
| 3. | Pull box | M/S- KBI, FARIDABAD | 2019 H 8790 |
| 4. | FIBA | M/S- KBI, FARIDABAD | PP-7660/29 |
| 5. | Foot Step | M/s- SUPER SPARK PVT. LTD. FARIDABAD | NPP-7682/29 |
| 6. | Decoupling arrangement | M/S-ELASTOMER LINING WORKS, MUMBAI | |
| 7. | Floor board | M/s-TWPL MUMBAI | |
| 8. | PVC | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 9. | Lavatory Inlay | M/S- SEEMA INDS. BHOPAL | |
| 10. | UIC Vestibule (PPE) | M/S-SUNCREST IND.KOLKATA | |
| 11. | UIC Vestibule (NPPE) | M/S-SUNCREST IND.KOLKATA | |
| 12. | Gangway bridge mounting (PPE) | M/S- HARE KRISHNA COACH PRODUCT KXH | |
| 13. | Gangway bridge mounting (NPPE) | M/S- HARE KRISHNA COACH PRODUCT KXH | |
| 14. | Body Side Window | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 15. | Emergency Window | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 16. | Hopper Window | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 17. | Side panel | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 18. | Roof ceiling | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 19. | Door way ceiling | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 20. | Partition frame | M/S-SARITA HITECH UMB | |
| 21. | Partition pillar | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 22. | Body Side Doors | M/S- JBM INDUSTRIES, FARIDABAD | |
| 23. | Vestibule Door(PPE) | M/S- JBM INDUSTRIES, FARIDABAD | |
| 24. | Vestibule Door(NPPE) | M/S- JBM INDUSTRIES, FARIDABAD | |
| 25. | Bio Tank (Pressurized flashing) | M/S- JSL LIFE STYLE LTD | |
| 26. | Auxiliary Water Tank | M/s- AMIT ENG. MOHALI | |
| 27. | Under Slung Water Tank(2X685L) | M/s- SHIVALIK FAST MOHALI | |
| 28. | Under Slung Water Tank (1X685L) | M/s- AMIT ENG. MOHALI | |
| 29. | Health Faucet | M/s- KAPCO VALVES JALANDHAR | |
| 30. | Lotah Filler Tap | M/s- KAPCO VALVES JALANDHAR | |
| 31. | Controlled Discharge Tap | M/s- EAU BATHING SOLUTION PVT LTD. GURURAM | |
| 32. | Lavatory Modules | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 33. | Lavatory Doors | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 34. | Seat & Berth | M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA | |
| 35. | Snack Table | N/A | |
| 36. | RFID | M/s-ID TECH SOLUTION GURGAON | Sr.106591-106592 |


SSE/QC/MCF/RBL

गुणवत्ता विभाग
रेडिओका, रायबरेली (लाल नमूना)



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

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|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|
| RLY | N | R | - | Coach No. | 1 | 9 | 7 | 1 | 2 | 8 | / | C | DATE OF DISPATCH | 2 | 3 | - | 1 | 0 | - | 1 | 9 |
|-----|---|---|---|-----------|---|---|---|---|---|---|---|---|------------------|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | |
|-------------|-----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|-----------|
| DISPATCH TO | Sr.DME(CHG)/FZR | Type | L | W | S | C | N | 1 | Shell No. | 9 | 7 | 2 | 8 | 8 | FUR.NO. | LSCNG-329 |
|-------------|-----------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|-----------|

13. MODIFICATION (IF ANY)

: Partition frame & Partition pillar

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, 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.

| | | |
|-----------------|----------------|----------------|
| | | |
| VSS/ QC/MCF/RBL | SME/QC/MCF/RBL | Dy.CQM/MCF/RBL |

मुख्य गुणवत्ता विभाग
रेल डिब्बा कारखाना, रायबरेली (लालगंज)

सहायक सांख्यिक अभियन्ता/गुणवत्ता-1
Assistant Mechanical Engineer / Quality-1
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli

जोगिन्दर सिंह
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

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 | 197128/C |
|------------|---------------------------------------|------------------|----------|
| RAILWAY | NR | 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 Make : SSK On Board Sr no : 2019/09/407 HT Panel Sr no : 2019/08/320 | EDTS 333, Rev` 01'Am-1 | 01 |
| 02. | Pump equipment with PLC controller & pump box Make : DR AUTO Sr no PA: 2019/09/124 Sr no.1 : 19090221 Sr no.2 : 19090263 Srno.CPA: NIL-DR AUTO | As per spec EDTS 186,Rev-a, Am- 2 | 01 |
| 03. | Emergency light system for EOG type coaches (AEL), Make : VGS | EDTS 151,Rev -c Am-1 & 2 | 04 |
| 04. | Passenger Alarm Cum Indication Light (PACIL) Make: KAVERI | As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-I | 02 |
| 05. | Fitment of Switch Plate Assly(Cabin Side) Make : SSK/SALZER | EDML 086,Rev-03, ITEM-01 | 20 |
| 06. | Fitment of Switch Plate Assly Corridor Side),Make : RECORD/SALZER | EDML 086, Rev 03, ITEM-02 | 20 |
| 07. | Railway carriage Fan 400mm Sweep, 110V DC with crash worthy features. Make: CG POWER | IS 6680/92,First Rev, RCF Amdt 4, Col I, Ty XI, RCF Cor I. | 30 |
| 08. | Cabin,Corridor,doorway and Gangway Lights. Make: RT VISION | As per RDSO/PE/SPEC/TL-0091(REV-1) TYPE B-1 | 26 |
| 09. | Lavatory Light Make: RT VISION | As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-D & | 04 |
| 10. | Night Light Fitting (LED BASED) Sticker For Berth Number On Night light Fitting For LHBSCN(80-BERTHER)Coaches Make : DR AUTO | CC76289 & CC76443 | 09 |

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

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PAGE 3 OF 3

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG NONAC SCN COACHES

| | | | |
|-----|--|---|--------------------|
| 11. | Battery fuse box +ve Make : RADIANT | LW 71001,Alt-F | 01 |
| 12. | Battery fuse box -ve Make : RADIANT | LW 71002,Alt-F | 01 |
| 13. | Regulated battery charger Make : WAVES Sr no: W4K5I 19700 | As per RDSO/pe/spec/ac/0129, Rev.-1 (2009) | 01 |
| 14. | 9KVA transformer Make : VIMAL Sr no : VTC 3089 LHB-2552 | As per RDSO/PE/SPEC/TL 0158, 2010, Rev` 0',Ty I. | 01 |
| 15. | ZS coupling 400A/750V/03Ph/50hz. Make : PRIME ELECT. | As per spec No EDTS 105,Rev` e' Am-3, TYPE-2 | 01 set |
| 16. | Feeder junction boxes. Make : INDORAIL | EDTS-328 REV-C | 01 set |
| 17. | Wheel set earthing equipment. Make : DARSHAN ENTERPRISES | EDTS101,REV-C,AM-1 | 02 sets |
| 18. | Wheel Slide Protection System (WSP) Make : KNORR Sr no : 0119040948 | M/s : KNORR | 01 set |
| 19. | 110V,120AH,VRLA SMF BATTERY SET WITH 19 MONOBLOCK (6V EACH) PRECHARGED,WIH MODIFIED TRAY TOSKED-644 Make : AMARA RAJA Lug date : 08/19 | RDSO/pe/spec/ac-0009 rev-1- 2008 amdt-1 | 01 set |
| 20. | Battery box for LHB coaches. Make : TECHNO | CC 91205 | 01 |

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| SSE/EL/QC वरिष्ठ अनुभाग अभियन्ता गुणवत्ता नियंत्रण आपरेटिंग/लालगंज/रायबरेली S.S.E./Elect-QC/M.C.F./LLJ/RBL | AWM(ELECT.)/MCF/RBL SEE(P)/MCF/RBL वरिष्ठ विद्युत अभियन्ता रेल कोच फैक्टरी, रायबरेली, लखनऊ Sr. Electrical Engineer / RCF / RBL / Lucknow |