



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002/PC

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/ 18-19/982

| | | | | | | | | | | | | | | | | | | | | | | |
|-------------|----------------|------|---|-----------|---|---|---|---|-----------|---|---|---|------------------|---|---|---|---|---|---|---|---|---|
| RLY | N | W | R | Coach No. | 1 | 8 | 2 | 9 | 6 | 3 | / | C | DATE OF DISPATCH | 3 | 1 | - | 1 | 2 | - | 1 | 8 | |
| DISPATCH TO | Sr. DME/C&W/JP | Type | L | W | L | R | R | M | Shell No. | 8 | 8 | 0 | 6 | 4 | - | 2 | 0 | 1 | 8 | - | 1 | 9 |

1. Railway Board's Order No. : 2017/M(C)/142/2 Dated. - 14-09-2018

2. Tare Weight of Coach : 53.2 Tonnes

3. Carrying Capacity : (a) Seating: NIL (b) Sleeping: NIL (c) Luggage: 3.9 tones

4. SHELL LEADING DIMENSIONS:

| S NO | DESCRIPTION | DIMENSION (MM) |
|------|--|------------------------------|
| 1. | Maximum length over body | 23700 |
| 2. | Maximum width over body | 3240 |
| 3. | Maximum height from Rail Level | 4039 |
| 4. | CBC height/Buffer height from Rail level 1105 +0/-10 | 1) 1105 (NPPE) 2) 1100 (PPE) |

5. TRACEABILITY OF SHELL ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO |
|------|-----------------------|-------------------------------|------------------------------------|
| 1. | Under frame | Front Part | PP END M/S- CHENNAI RADHA ENGG. 8 |
| | | Complete | NPP END M/S- CHENNAI RADHA ENGG. 8 |
| 2. | Lav. side wall | M/S- CHENNAI RADHA ENGG. | 8 |
| | | M/S-COMPETEAT ENGG. JUC | LAV.1 - LAV.2 - |
| | | M/S-COMPETEAT ENGG. JUC | LAV.3 - LAV.4 - |
| 3. | Side wall | LH SIDE MCF/RBL | 61/01 |
| | | RH SIDE MCF/RBL | 61/02 |
| 4. | End wall | PP END M/s- AMIT ENGG, MOHALI | --- |
| | | NPP END M/s- OMEX, REWARI | --- |
| 5. | Roof | M/s- INDIRA | 33 |
| 6. | Centre Buffer Coupler | M/S- SANROK, FARIDABAD | PP END T-1064 NPP END T-1080 |
| 7. | Buffers | M/S- RANEKA INDS.LTD. DHAR | N.A NPP END 88064 |

6. AIR BRAKE TEST REPORT:

| S NO | ITEM | DESCRIPTION | SPEC. VALUE | OBSERVED VALUE |
|------|---|--|--|--------------------------------------|
| 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 | 06 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 @ 0.1kg/cm ² /Sec, after 06 Sec. | Brake must apply | OK |
| 4. | Handbrake(Parking brake)for generator car | 1.Apply hand brake 2.Release hand brake | 1.Hand Bk. indicator should be red 2.Hand Bk. indicator should be green | OK OK |

7. FIRE TESTING:

| S NO | ITEM | DESCRIPTION | SPEC. VALUE | OBSERVED VALUE |
|------|---------------|-----------------|---|----------------|
| 1 | generator car | Smoke detection | 1.controller should display smoke in zone 1,2 2.strobe light & hooter should activate | OK |
| | | Heat detection | 1.controller should display smoke/heat in zone 1,2 2 strobe light & hooter should activate | OK |

8. PAINTING DETAILS:

| S NO | DESCRIPTION | TYPE OF PAINT | MAKE | APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY) | AVERAGE GLOSS VALUE |
|------|-------------|---------------|-------------|--|---------------------|
| 1. | Paint | P.U | M/S-NEROLAC | SUPPLY & APPLY | 88/88 |
| 2. | Insulation | | | Satisfactory | |

[Signature]
SSE/QC/MCF/RBL

गुणवत्ता विभाग
रेडिओका, 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/982

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|---|---|------|---|---|---|---|---|------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|
| Coach No. | 1 | 8 | 2 | 9 | 6 | 3 | / | C | - | DATE OF DISPATCH | 3 | 1 | . | 1 | 2 | . | 1 | 8 | | | | | |
| RLY | N | W | R | Type | L | W | L | R | R | M | Shell No. | 8 | 8 | 0 | 6 | 4 | - | - | - | - | - | - | - |

8. DETAIL OF BOGIES :

| ITEMS | NPP Side | | | | PP Side | | | |
|---------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Bogie No | 182022 | | | | 182021 | | | |
| Bogie Type | FIAT | | | | FIAT | | | |
| Frame no. | MCF/RBL-1150 | | | | MCF/RBL-1155 | | | |
| Bolster no. | AMIT-322 | | | | AMIT-321 | | | |
| Axle No | 18G-3939 RWF | | 18H-2448 RWF | | 18G-4279 RWF | | 18G-0898 RWF | |
| Wheel Dia | 917.61 | 917.642 | 917.594 | 917.444 | 917.495 | 917.693 | 917.503 | 917.719 |
| Wheel Disc No | TZ07-18 39449-8RS5 | TZ05-18 19827-8PQ3 | TZ07-18 42262-8RM5 | TZ07-18 40875-8RR3 | TZ05-18 25015-8PR1 | TZ05-18 23629-8PS3 | TZ05-18 24014-8PM8 | TZ05-18 24878-8PS1 |
| R.B. Nos. | 05-18 13482 | 04-18 13591 | 04-18 41880 | 06-18 16794 | 05-18 40859 | 06-18 16641 | 05-18 40975 | 05-18 40989 |
| CT R B Make | SKF | | SKF | | SKF | | SKF | |

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. | CMFSK19-18- 8835-469-84 | CVFSK-06-18- 8837-507-13 | CMFSK19-18- 8835-469-188 | CVFSK-06-18- 8837-507-2 | CMGBD02-18- 146-19-26 | CMRSK07-16F15- N99-15Y-511 | CMGBD03-18-146- 25-88 | CMRSK07-16-F15- N99-15Y-222 |
| Compressed Ht. at Tested Load | 515 | 470.5 | 514.5 | 471 | 511 | 469 | 512 | 468 |
| Alignment deviation (mm) | 8 | 11 | 7 | 11 | 7 | 12 | 7 | 13 |

10. TRACEABILITY OF BOGIE ITEMS:

| S. NO | ITEM | MAKE/ SUPPLIER | SERIAL NO. | |
|-------|----------------------------|-------------------|---------------------------------------|--|
| | | | NPP SIDE | PP SIDE |
| 1. | Yaw Damper | GEREP | 1943,738 | 763,1832 |
| 2. | Primary outer Spring | YR/CVFSK | 17-10(21,3,17,12) | 01-18-7142-350(216,209,210,14) |
| 3. | Primary Inner Spring | CMRSK | 10-18-04Y(6779,5764,5869,4891) | 10-18-04Y(4569,5640,4870,4977) |
| 4. | Primary Damper | KNORR | 05-18 (21070,21061,21060,21054) | 05-18 (21035,21069,21059,21064) |
| 5. | Secondary Damper | KNORR | 07-18(5654,5658) | 05-18-4531,07-18-5663 |
| 6. | Lateral Damper | KNORR | 06-18-4169 | 06-18-4164 |
| 7. | Brake Cylinder | FAV | F18(126,069),G18-005,F18-029 | F18-142,G18(008,018),F18-127 |
| 8. | Brake Caliper | FAV | H18(076,074,042,44)B | H18(043,041,049,051)B |
| 9. | Brake Disc | FAV | 10-18(3381,3382,3387,3385)D133561-300 | 12-18(6659,6660),10-18(4250,4251)D133561-300 |
| 10. | Ball Joint Control Arm | AR | | |
| 11. | Lateral Bump Stop | BONY | | |
| 12. | Traction Centre make | SARITA | | |
| 13. | Traction lever make | JI/SARITA | | |
| 14. | Ball joint traction lever | PPI/UK | | |
| 15. | Ball joint traction centre | AR | | |
| 16. | Secondary Rubber Pad | DUREL | | |
| 17. | Rubber Spring | AR | | |
| 18. | Anti roll bar make | EMSON | | |
| 19. | Roll Link make | SARITA/AR | | |
| 20. | Fork make | EMSON | | |
| 21. | Control Arm Upper | RVE | 241018-2,031118-2,051118-2,031118-2 | 091118-1,051118-1,031118-2,241018-2 |
| 22. | Control Arm Lower | RVE | 280918-3,271018-1,291018-3,180918-3 | RVE,290918-3,081018-1,RVE |

Signature of SSE/Bogie/QC



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| RLY | N | W | R | Coach No. | 1 | 8 | 2 | 9 | 6 | 3 | / | C | DATE OF DISPATCH | 3 | 1 | - | 1 | 2 | - | 1 | 8 | |
| DISPATCH TO | Sr. DME/C&W/JP | Type | L | W | L | R | R | M | Shell No. | 8 | 8 | 0 | 6 | 4 | - | 2 | 0 | 1 | 8 | - | 1 | 9 |

12. TRACEABILITY OF FURNISHING ITEMS:

12. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO |
|------|---|---|------------|
| 1. | Air Brake Module | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | G 18004 B |
| 2. | Distribution Valve | M/S- FAIVELY TRANSPORT TECH.INDIA LTD BADDI(HP) | 18075593 B |
| 3. | Hand Brake Equipment | M/S- PALSTO POWER P.B. | |
| 4. | Foot Step | M/S- SUPER SPARK PVT.LTD. FARIDABAD | |
| 5. | Floor Board | M/S- TWPL, MUMBAI | |
| 6. | PVC | M/S- RESPONSIV POLYFILM, NDLS | |
| 7. | UIC Vestibule (NPPE) | M/S-SUNCREST IND.KOLKATA | |
| 8. | Gangway Bridge Mounting (NPPE) | M/S- MAHAVEER MATEL WORKS, KAPURTHALA | |
| 9. | AL. Chequer Plate/Sheet | M/S- HANSPAL COACH PRODUCTS, KXH | |
| 10. | Automatic Fire Detection & Suppression System | M/S- SANROK, FARIDABAD | |
| 11. | Body Side Window | M/S- BIRKAN ENGG.PVT.LTD.GAZIABAD | |
| 12. | Lavatory/Hopper Window | M/S- AIKON IND.SALON H.P | |
| 13. | Roof Ceiling | M/S-GANDHI SAFE & ALLIED, JALANDHAR (GUARD ROOM) , (CREW ROM) | |
| 14. | Generator Room Ceiling | M/S- RAIL TECH PVT.LTD. KXH | |
| 15. | RMPU | M/s- LLOYAD, HP | |
| 16. | AC Trough | M/S- HINDUSTAN FIBRE GLASS WORKS, VADODARA | |
| 17. | Luggage Sliding Door | M/s- GURU NANAK IND. PVT.LTD. PB | |
| 18. | Hatch Door | M/s- RAIL TECH PVT.LTD. KXH | |
| 19. | Body Side Doors | M/S- JVR INDUSTRIES ,LDH | |
| 20. | Vestibule Door(NPPE) | M/S- HANSPAL COACH PRODUCTS, KXH | |
| 21. | Crew/Gen. Room Door | M/S- JBM INDUSTRIES, FARIDABAD | |
| 22. | Crew/Guard Room Door | M/S- KALSI , LDH | |
| 23. | Bio Tank (01 No Lav.) | M/S- AMIT ENGG. MOHALI | |
| 24. | Auxiliary Water Tank(1x30l) | M/S- AMIT ENGG. MOHALI | |
| 25. | Under Slung Water Tank (1x450 L) | M/S- AMIT ENGG. BADDI | |
| 26. | Fuel Tank (2x1500 L) | M/S- SHIVALIC FASTNERS PVT.LTD. MOHALI | |
| 27. | Flexible Faucet | M/S- HINDUSTAN FIBRE GLASS WORKS, VADODARA | |
| 28. | Lotah Filler Tap | M/S- HINDUSTAN FIBRE GLASS WORKS, VADODARA | |
| 29. | Bib Cock | M/S- AGMECO INDIA LTD. | |
| 30. | Composite Modular Toilet | M/S- HINDUSTAN FIBRE GLASS WORKS, VADODARA | |
| 31. | Lavatory Doors | M/S- KALSI, LDH | |
| 32. | Seat & Berth | M/S- ORIENTAL VENEER PRODUCTS, MUMBAI | |
| 33. | Luggage Rack | M/s- RAIL TECH, KXH | |
| 34. | Folding Table | M/S- TECHNO IND. ALD | |

Signature
SSE/QC/MCF/RBL अभियंता
गुणवत्ता विभाग
रेडिओका, रायबरेली (लालगंज)



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|----------------|-------------------|------|---|-----------|---|---|---|---|-----------|---|---|---|------------------|---|---|---|---|---|---|---|---|---|
| RLY | N | W | R | Coach No. | 1 | 8 | 2 | 9 | 6 | 3 | / | C | DATE OF DISPATCH | 3 | 1 | - | 1 | 2 | - | 1 | 8 | |
| DISPATCH TO | Sr. DME/C&W/IP | Type | L | W | L | R | R | M | Shell No. | 8 | 8 | 0 | 6 | 4 | - | 2 | 0 | 1 | 8 | - | 1 | 9 |

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, 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.

| | | |
|--|--|--|
| | | |
| ISS/CC/MCF/RBL गुणवत्ता विभाग रेडिओका, रायबरेली (लालगंज) | सहायक अभियंता-II AME/QC/MCF/RBL आधुनिक रेल डिब्बा कारखाना, रायबरेली Modern Coach Factory, Raebareli | Dy.COM/MCF/RBL 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: 11.09.2017

PAGE 1 OF 6

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB POWER CAR

ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

| ROLLING STOCK CERTIFICATE OF LHB POWER CAR | | | |
|---|--|-------------------|----------------|
| ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR | | | |
| TYPE COACH | | LWRRM | SHELL/COACH NO |
| RAILWAY | | NWR | 182963/C |
| | | 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 | 14.58 Cub mtr/min | OK |
| 3.2 | Return Air | 26.36 Cub mtr/min | OK |
| 3.3 | Exhaust Air | NIL Cub mtr/min | OK |
| 3.4 | Conditioned Air | 56.91 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 Not done due to Ambient temp. below 22°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 due to Ambient temp. below 22°C | | OK |

Senior Section Engineer
Quality control / Electrical
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PAGE 2 OF 6

FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB POWER CAR

ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

| Sr no | Description of test | Remarks |
|-------|---|---------|
| 6.0 | HUMIDITY CONTROL | OK |
| 7.0 | PUMP EQUIPMENTS | OK |
| 8.0 | WORKING OF EXHAUST FAN OVER | OK |
| 10.0 | LIGHT | OK |
| 11.0 | PUBLIC ADDRESSING SYSTEM (PAS) | OK |
| 12.0 | WHEEL SLIDE PROTECTION SYSTEM (WSP) | OK |
| 13.0 | WORKING OF 60KVA TRANSFORMERS | OK |
| 15.0 | WORKING OF EMERGENCY BATTERY CHARGERS | OK |
| 16.0 | SAFETIES : | |
| 16.1 | THERMOSTAT : | OK |
| 16.2 | ROTARY 07 SET POINTS (NORMAL CONDITION) | OK |
| 16.3 | HYGROSTAT | OK |
| 16.4 | CONTROL CIRCUIT | OK |
| 16.5 | POWER CIRCUIT | OK |
| 16.6 | ALTERNATER EARTH LEAKAGE RELAY | OK |
| 16.7 | FEEDER EARTH LEAKAGE RELAY | OK |
| 16.8 | UNDER VOLTAGE RELAY | OK |
| 16.9 | OVER VOLTAGE RELAY | OK |
| 16.10 | BUS COUPLAR | OK |
| 16.11 | FEEDER CONTACTOR | OK |
| 16.12 | SMOKE TEST | OK |
| 17.0 | REFRIGERANT USED | OK |

R 407C

Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



Modern Coach Factory Raebareli
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PAGE 3 OF 6

ROLLING STOCK CERTIFICATE OF LHB/ POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|---------------------------------|--------------------|
| 01. | Roof mounted AC package unit for LHB AC coaches Make : LEEL Sr no of RMPU (PP side): 1812683 Sr no of Microprocessor: 18.12.004 | RDSO/pe/spes/ac/0061/rev-1/2005 | 02 |
| 02. | Power and Control Panel for LHB Power car, Make: TRINITRON Sr no : 18/06/TCS/RBL/3414/LHB/0015 | EDTS-103 ,REV-c | 01 |
| 04. | Switch board cabinet Make : ISG Sr no : SBC-MCF-18-09-0002 | EDTS 104, REV-a | 01 |
| 05. | Pump equipment with PLC controller & pump box Make: KALSI Sr no PA- 7474/9/18 Sr no.1- 296937 Sr no.2- 296938 Sr no.CPA- 7497/09/2018-KALSI | EDTS 186,Rev-a, Am- 2 | 01 |
| 06. | Lavatory light fitting assly Make : RT VISION | LW 76001,Alt nil | 01 |
| 07. | Passenger alarm coach indication light Make : DR AUTO | LW 76005,Alt-e | 02 |
| 08. | Razor socket for WC 110/240V Make : SSK | EDML 047 ,Rev nil | 01 |
| 09. | Terminal strip Make : WAGO | EDML 034,Rev-a | 01 |
| 10. | Terminal connector Make : WAGO | EDML 037,Rev`a` | 01 |
| 11. | Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make: SSK | EDML 047,Rev- C, Item 1. | 02 |
| 12. | PA system for LHB coaches Make : AHUJA | EDTS 173,TYPE -II | 01 set |
| 13. | 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 : 11/18 | EDTS 129,Rev nil | 01 set |

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PAGE 4 OF 6

ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|---|--------------------|
| 14. | SET OF BATTERY FOR DA (A & B) (A) Make: CELTEK Lug date: 11/18 (B) Make: CELTEK Lug date: 08/18 | | 02 sets |
| 15. | Battery box for LHB coaches. MAKE- ANKUR ENGG. | 1 10113.0.76.700.005 w/o item 5,22 ,23 ,26 & 27.ALT C | 01 |
| 16. | Battery fuse box +ve Make : AECO | LW 71001,Alt-F | 01 |
| 17. | Battery fuse box -ve Make : NEC | LW 71002,Alt-F | 01 |
| 18. | 60KVA TFR Make- VIMAL Sr no:1. VTC-3089-LHB-6623 Make- VIMAL Sr no:2. VTC-3089-LHB-6617 Make- VIMAL Sr no:3. VTC-3089-LHB-6226 | EDTS 076, Rev-0. 1.for panel 2.for Rad. Motor A 3.for Rad. Motor B | 03 |
| 19. | Capacitor Bank Make: S.INTERNATIONAL SL.no. 395-04/18 | EDML-130 Rev-1,Corr-1 | 01 |
| 20. | Emergency Battery Charger Make- NAREN Sr no:1. 1808442 Make- NAREN Sr no:2. 1808492 | EDTS-163 REV-C, corg-2&3 | 02 |
| 21. | Wheel set earthing equipment. Make : DARSHAN INTERPRISES. | EDTS101,REV-C,AM-1 | 02 |
| 22. | Wheel Slide Protection System (WSP) Make- FAIVELEY Sr no : 27/18/1114 | MDTS 077 REV-2 | 01 set |
| 23. | 500KVA/750V/03Ph DIESEL ALTERNATOR set, complete with Power & Control panel. | EDTS 102, Rev`c' | 02 |
| 23.a1 | Sr no of Alternator "A" Make- NIDEC Sr No- LED 3L 918I 3772 | EDTS 102, Rev`c' | 01 |
| 23.a2 | Sr no of Diesel Engine "A" Make- KIRLOSKAR Sr no- DUO.9019/1820054 | EDTS 102, Rev`c' | 01 |

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DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

DATE: 11.09.2017

PAGE 5 OF 6

ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-----------|--|------------------|--------------------|
| 23.b 1 | Sr no of Alternator "B" Make- NIDEC Sr No- LED 3L 918I 3770 | EDTS 102, Rev`c' | 01 |
| 23.b 2 | Sr no of Diesel Engine "B" Make- KIRLOSKAR Sr no : DUO.9019/1820050 | EDTS 102, | 01 |
| 24. | Control Panel for ventilator Fan motor for Diesel Engine "A" Make- RSI Sr no- 447763/02 A | EDTS 110,REV-NIL | 01 |
| 25. | Ventilator Fan Motor for Diesel Engine "A" 1.Make: ABB Sl no: 1580894 2.Make: ABB Sl no: 1594374 | EDTS 110,Rev nil | 01 |
| 26. | Radiator Fan Motor for Diesel Engine -"A" Make: ABB SL no: 3GIJ18290001607069 | EDTS 104, Rev`a' | 01 |
| 27. | Control Panel for Radiator Fan motor for Diesel Engine "A" Make- NEC Sr no- 2018071989 | EDTS-104,REV-A | 01 |
| 28. | Ventilator Fan Motor for Diesel Engine "B" 1.Make: ABB Sl no: 1595833 2.Sl no 1595826 | EDTS 110,Rev nil | 01 |
| 29. | Control Panel for ventilator Fan motor for Diesel Engine "B" Make- RSI Sr no- 447763/03 B | EDTS 110,REV-NIL | 01 |

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PAGE 6 OF 6

ROLLING STOCK CERTIFICATE OF LHB/POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|---|--|--------------------|
| 30. | Radiator Fan Motor for Diesel Engine -"B" Make: ABB Sr no- 3GIJ18380001628743 | EDTS 104, Rev`a' | 01 |
| 31. | Control Panel for Radiator Fan motor for Diesel Engine "B" Make- NEC Sr no- 2018071974 | EDTS-104,REV-A | 01 |
| 32.. | Starter Battery Charging Control Panel -A & B Make : INDORAIL Sr no: 2018050045 | EDTS 116,Rev nil | 01 |
| 33. | Feeder Junction box. Make: AECO | EDML 020, Rev`a'. | 01 set |
| 34. | Single Inlet Radial Blower, 415V/03Ph/185W/ 1045Cub mtr/hr discharge from S1 & S2 & Lavatory. Make- INTEG | EDTS-331, TYPE-2 | 01 |
| 35. | Lights Make : DR AUTO | RDSO/PE/SPEC/TL/0091-2016, REV-01, TYPE-N & LW 76099 | 20 |
| 36. | Smoke Detector Unit. Make: AGANI Sr no: 2143 | EDTS 087,Rev`a',Type II | 01 |
| 37. | Provision of Tail light switch 2P/16A/ SG16, mounted in ABC plastic enclosure with round padlock, 90DEG, ON/OFF. Make: SSK | As per Cat no. SG 16 | 02 |
| 38. | ZS coupling 400A , 750V ,03Ph,50Hz. Make 1.(NPP): MAA LAXMI INDUSTRIES 2.(PP): MAA LAXMI INDUSTRIES | EDTS 105, Rev`c'. | 01 set |
| 39. | Connector for External supply socket. Make: MV | EDML 013, Rev nil. | 02 |

SSE/EL/QC

वरिष्ठ अनुभाग अभियन्ता

गुणवत्ता नियंत्रण

आपरेटिंग/लालगंज/रायबरेली

S.S.E./Elect-QC/M.C.F./LLJ/RBL

SEE(P)/MCF/RBL/

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