
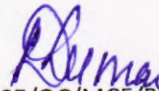


| | | | | | | |
|---|--|---|---|---|---------------------|--------------------|
|  | | Modern Coach Factory Raebareli आधुनिक रेल डिब्बा कारखाना, रायबरेली | | DOC NO.: MCF/RBL/QMF 8002 REV NO: 01 DATE: 17.04.2018 | | |
| ROLLING STOCK CERTIFICATE Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1799 | | | | | | |
| RLY | NWR | COACH NO | 202087/C | DATE OF DISPATCH | | 12-Mar-20 |
| Type | LWLRRM | Shell No. | 98118 | DISPATCH TO | Sr.DME/BKN | FUR.NO. LPC-273 |
| 1. Railway Board's Order No. : 2019/M(C)/142/2 Dated: - 18-12-2019 2. Tare Weight of Coach : 53.2 Tones 3. Carrying Capacity : (a) Seating: NIL (b) Sleeping: NIL (c) Luggage: 3.9 tones 4. Special feature: A- 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 | Front PP END | M/S-PENNAR IND. | 17 | | |
| | | Part NPP END | M/S-PENNAR IND. | 17 | | |
| | | Complete | M/S-PENNAR IND. | 17 | | |
| 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-DTL PUNE | 46 | | |
| | | RH SIDE | M/S-DTL PUNE | 46 | | |
| 4 | End wall | PP END | M/S-RSM MOHALI | | | |
| | | NPP END | M/S-OMAX REWARI | | | |
| 5 | Roof | M/S-AIR.F | 6 | | | |
| 6 | Centre Buffer Coupler | M/S-FRONTIER LTD | PP/NPP | 29-P1 | 30-P1 | |
| 7 | Buffer | M/S-RANEKA INDUS | PP/NPP | N.A | 98118 | |
| 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 ² . | 6 – 10 sec. | 7 sec. | | |
| | | Max. pressure in BC | 3.0 ±0.15 kg/cm ² . | 3.0 kg/cm ² | | |
| | | All Brake are applied | OK | 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 | | |
| 4 | Handbrake(Parking brake)for generator car | 1.Apply hand brake | 1. Hand Bk. Indicator should be red | OK | | |
| | | 2.Release hand brake | 2. Hand Bk. indicator should be green | OK | | |
| 8 FIRE TESTING: | | | | | | |
| S NO | ITEM | DESCRIPTION | SPEC. VALUE | OBSERVED VALUE | | |
| | 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 | | |
| 9. 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 | K.NEROLAC | M/S-KANSAL NEROLAC | 89/86 | 10-11-2019 |
| 2 | Insulation | Satisfactory | | | | |


SSE/QC/MCF/RBL

वरि०अनु० अभियंता
गुणवत्ता विभाग
रे०डि०का०, रायबरेली (लालगंज)



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO.: 01

DATE: 16.05.2016

ROLLING STOCK CERTIFICATERolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1799

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

| | | | | | | | | | | | | | | | | |
|----------|------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|---------|
| DISPATCH | Sr.DME/BKN | Type | L | W | L | R | R | M | Shell No. | 9 | 8 | 1 | 1 | 8 | FUR .NO | LPC-273 |
|----------|------------|------|---|---|---|---|---|---|-----------|---|---|---|---|---|---------|---------|

9. DETAIL OF BOGIES:

| ITEMS | NPP Side | | | | PP Side | | | |
|---------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|
| Bogie No | 191766 | | | | 191765 | | | |
| Bogie Type | FIAT | | | | FIAT | | | |
| Frame no. | MCF/RBL - 2272 | | | | KANSAL ENGG. - 27 | | | |
| Bolster no. | MCF/RBL - 2138 | | | | MCF/RBL - 2162 | | | |
| Axle No | 20 V - 3981 RWF | | 20 V - 0597 RWF | | 19 T - 7360 RWF | | 20 T - 8522 RWF | |
| Wheel Dia | 917.373 | 917.57 | 917.533 | 917.418 | 917.456 | 917.484 | 917.522 | 917.324 |
| Wheel Disc No | TZ 06-19 58998-9QL7 | TZ 06-19 80972-9WF7 | TZ 11-19 80975-9WF7 | TZ 06-19 53248-8PO1p | TZ 02-19 22456-9MN4 | TZ 02-19 31747-9OE8 | TZ 02-19 55587-9CK1 | TZ 02-19 51326-9PI9 |
| R.B. Nos. | 11-19 42163 | 11-19 44053 | 11-19 42346 | 11-19 43687 | 11-19 34007 | 11-19 34639 | 11-19 42289 | 11-19 43933 |
| 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 | |
| | Outer | Inner | Outer | Inner | Outer | Inner | Outer | Inner |
| Make & Nos. | CMGBD 11-19 F16-980-39 | CMGBD 07-19 F17-395-38 | CMGBD 11-19 F16-980-44 | CMGBD 07-19 F17-395-51 | CMFSK 08-19 7146-068-122 | CMGBD 08-19 F17-395-33 | CMFSK 08-19 7146-068-109 | CMGBD 08-19 F15-395-38 |
| Compressed Ht. at Tested Load | 515 | 471 | 515 | 470 | 510 | 465 | 508 | 464 |
| Alignment deviation (mm) | 21 | 26 | 20 | 25 | 7 | 13 | 7 | 15 |

11. TRACEABILITY OF BOGIE ITEMS :-

| S. NO | ITEM | MAKE/SUPPLIER | SERIAL NO. | |
|-------|----------------------------|---------------|-------------------------------------|-------------------------------------|
| | | | NPP SIDE | PP SIDE |
| 1. | Yaw Damper | IAI | 254828,254834 | 254852,273427 |
| 2. | Primary outer Spring | CMFSK | 11-19 7142-051-(55,13,23,21) | 11-19 7142-051-(35,57,80,42) |
| 3. | Primary Inner Spring | CMAFJ | 05-19 7143-(7,201,212,403) | 05-19 7143-(10,5,208,12) |
| 4. | Primary Damper | IAI | 12-19 (286374,286380,286223,286252) | 12-19 (286204,286152,286356,286688) |
| 5. | Secondary Damper | IAI | 10-19 277494, 09-19 274440 | 10-19 (274382,277487) |
| 6. | Lateral Damper | IAI | 11-19 280627 | 11-19 280608 |
| 7. | Brake Cylinder | ESCORT | 47996,49046,47497,45709 | 47685,52095,52096,47997 |
| 8. | Brake Caliper | ESCORT | 27558,28436,27098,95529 | 27287,30683,30688,27559 |
| 9. | Brake Disc | FAV | 01-20 D133561-300-(673,674,645,647) | 01-20 D133561-300-(323,326,212,213) |
| 10. | Ball Joint Control Arm | AR | | |
| 11. | Lateral Bump Stop | GMT | | |
| 12. | Traction Centre make | RNG | | |
| 13. | Traction lever make | JI | | |
| 14. | Ball joint traction lever | GMT | | |
| 15. | Ball joint traction centre | GMT | | |
| 16. | Secondary Rubber Pad | PRAG | | |
| 17. | Rubber Spring | GMT | | |
| 18. | Anti roll bar Make | EMSON | | |
| 19. | Roll Link make | SARITA+GMT | | |
| 20. | Fork make | RNG | | |
| 21. | Control Arm Upper | SF | 120,108,187,152 | 238,277,716,323 |
| 22. | Control Arm Lower | SF | 322,431,68,456 | 549,896,159,15 |
| 23. | Phonic Wheel | KBI | K-01-20, K-01-20 | K-01-20, K-01-20 |

Signature of SSE/Bogie/QC



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/2019-20/1799

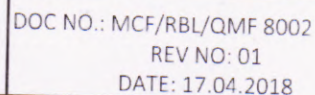
| | | | | | |
|------|--------|-----------|----------|------------------|------------|
| RLY | NWR | COACH NO | 202087/C | DATE OF DISPATCH | 12-Mar-20 |
| Type | LWLRRM | Shell No. | 98118 | DISPATCH TO | Sr.DME/BKN |
| | | | | FUR.NO. | LPC-273 |

13. TRACEABILITY OF FURNISHING ITEMS:

| S NO | ITEM | MAKE/SUPPLIER | SERIAL NO(NPP/PP) |
|------|--|--------------------------------------|-------------------|
| 1 | Air Brake Module | M/S-ESCORT | 2019080075 |
| 2 | Distribution valve | M/S-ESCORT | 1908A075 |
| 3 | Hand Brake Equipment | M/S-VANI PRECISION | |
| 4 | FIBA | NA | |
| 5 | Foot Step | M/S-SUPER SPARK PVT.LTD.FARIDABAD | |
| 6 | Floor board | M/S-TWPL MUMBAI | |
| 7 | PVC | M/S-RESPONSIVE POLYFILM GZB | |
| 8 | UIC Vestibule (NPPE) | M/S-KIRAN RUBBER PRODUCT PUNE | |
| 9 | Gangway bridge mounting (NPPE) | M/s-HARE KRISHNA COMPONENT KXH | |
| 10 | AL. Chequer Plate/Sheet | M/S-RAIL TECH KXH | |
| 11 | Body Side Window | M/S-SHATABDHI SAFETY GLASS, VADODARA | |
| 12 | Lavatory/hopper Window | M/S-SHATABDHI SAFETY GLASS, VADODARA | |
| 13 | Roof Ceiling | M/S-AMIRCHAND ENGG.WORKS JUC | |
| 14 | Generator Room Ceiling | M/S-RAIL TECH KXH | |
| 15 | RMPU | M/S-INTEC PVT LTD GURGAON | |
| 16 | AC Trough | M/S-CMT VADODARA | |
| 17 | Luggage Sliding Door | M/S-GURU NANAK INDUSTRIES PUNJAB | |
| 18 | Hatch Door | M/S-RAIL TECH KXH | |
| 19 | Body Side Doors | M/S- JVR IND LDH | |
| 20 | Vestibule Door(NPPE) | M/S- JBM INDUSTRIES, FARIDABAD | |
| 21 | Crew/Gen. Room Door | M/S- JBM INDUSTRIES, FARIDABAD | |
| 22 | Crew/Guard Room Door | M/S- JBM INDUSTRIES, FARIDABAD | |
| 23 | Bio Tank (01 No Lav.) | M/S-P.D.STEELS | |
| 24 | Auxiliary Water Tank(1x30L) | M/S-AMIT ENGG MOHALI | |
| 25 | Under Slung Water Tank (1x450L) | M/S-AMIT ENGG MOHALI | |
| 26 | Fuel Tank (2x1540 L) | M/S-P.D.STEELS | |
| 27 | Health Faucet | M/S- H.F.GLASS VADODARA | |
| 28 | Lotah Filler Tap | M/S- H.F.GLASS VADODARA | |
| 29 | Bib cock | M/S-AGMECO PVT LTD UK | |
| 30 | Lavatory Doors | M/S-KALSI (P) LTD LUDHIANA | |
| 31 | Automatic smoke & heat Detection with alarm System | M/S-SANROK ENTERPRISES FARIDABAD | |
| 32 | Seat & Berth | M/S-OVPL MUMBAI | |
| 33 | Luggage Rack | M/S-RAIL FAB KXH | |
| 34 | Folding Table | M/S-RAIL EXPERT (P) LTD JUC | |
| 35 | Ventury grill | N/A | |
| 36 | RFID | N/A | |

SSE/QC/MCF/RBL

गुणवत्ता विभाग
रेडिओ, रायबरेली (लालगंज)



Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/1799

| | | | | |
|---------------------------------------|-------|-----------|---------|---------|
| 14. MODIFICATION (IF ANY) | : NIL | SHDME/DRN | FOR.NO. | LPC-2/3 |
| 15. DEVIATION (IF ANY) | : NIL | | | |
| 16. ITEM FITTED ON THE COACH ON TRIAL | : NIL | | | |

16. WARRANTY:

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

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.

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Dy.CQM/MCF/RBL

आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory Raebareli

By: Chief Quality Manager
आधुनिक कोच डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Rae Bareilly



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE:10.01.2020

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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB POWER CAR
ELECTRICAL TEST CERTIFICATE FOR LHB POWER CAR

| | | | | | | | | |
|------------|--|--------|----------------|-------------------|------------|----------|------------|---------|
| TYPE COACH | | LWLRRM | | SHELL/COACH NO | | 202087/C | | |
| RAILWAY | | NWR | ELECT.FIT DATE | | 07-03-2020 | | MCF FUR.NO | LPC-273 |
| Sr no | Description of tests | | | | | | Remarks | |
| 1.0 | REFERENCE SPECIFICATION : L 446 | | | | | | | |
| 1.1 | AIR CONDITIONING TEST : ELPS/TP/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 | | | 14.50 Cub mtr/min | | | OK | |
| 3.2 | Return Air | | | 29.46 Cub mtr/min | | | OK | |
| 3.3 | Exhaust Air | | | NIL Cub mtr/min | | | OK | |
| 3.4 | Conditioned Air | | | 61.67 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 | | | | | | ---- | |
| 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. | | | | | | ---- | |

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: 01

DATE:10.01.2020

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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 | OK |
| 9.0 | LIGHT | OK |
| 10.0 | PUBLIC ADDRESSING SYSTEM (PAS) | OK |
| 11.0 | WHEEL SLIDE PROTECTION SYSTEM (WSP) | OK |
| 12.0 | WORKING OF 60KVA TRANSFORMERS | OK |
| 13.0 | WORKING OF RBC/EBC. | OK |
| 14.0 | SAFETY : | ---- |
| 14.1 | OHP | OK |
| 14.2 | ROTARY 07 SET POINTS (NORMAL CONDITION) | OK |
| 14.3 | LP/HP GAUGE & TRIPPING | OK |
| 14.4 | HYGROSTAT & SENSORS. | OK |
| 14.5 | CONTROL CIRCUIT | OK |
| 14.6 | POWER CIRCUIT | OK |
| 14.7 | AEL,FEL & FOL RELAY | OK |
| 14.8 | UVR/OVR | OK |
| 15.0 | HOG CONTROL CIRCUIT | OK |
| 16.0 | FEEDER CONTACTORS & HOG CONTACTORS. | OK |
| 17.0 | BUS COUPLER | OK |
| 18.0 | SAFETY LOOP | OK |
| 19.0 | SMOKE TEST | OK |
| 20.0 | REFRIGERANT USED R 407C | OK |

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DOC NO.: MCF/RBL/QEF/8001

REV NO: 01

DATE:10.01.2020

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ROLLING STOCK CERTIFICATE OF LHB POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|---|--------------------|
| 01. | Provision of Terminal connector complete. Make: M/S INDIAN TELEPHONE & ELECT. | As per EDML-033, Rev.- D,MCF/RBL-Corr-2 or latest. | 01 set |
| 02. | 70AH/110V,54 Cells,02V each ,maintenance free pure lead acid tin monoblock ,battery set with 09 modules 12V each. , factory pre charged. Make : AMARA RAJA Lug date : 11/19 | EDTS 129,Rev nil | 01 set |
| 03. | SET OF BATTERY FOR DA (A & B) (A)Make: MICROTEX Lug date: 07/19 (B) Make: MICROTEX Lug date: 07/19 | | 02 sets |
| 04. | Battery box for LHB coaches. Make: ANKUR ENGG. | As per drg. No. 1 10113.0.76.700.005 w/o item 5,22 ,23 ,26 & 27.ALT C | 01 |
| 05. | 500KVA/750V/03Ph DIESEL ALTERNATOR set, complete with Power & Control panel. | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 02 set |
| 06. | Switch Board Cabinet For 2 X 500 KVA DA set control. Make : NEC Sr no: 2020013972 | As per spec no. EDTS 103, Rev.- D,Amd-7,Corr-1(HOG Compliant) -01 no | 01 |
| 07. | Switch Board Cabinet (Power Panel) Make : MV ELECTRO SYSTEMS PVT LTD. Sr no: 20010052-01/2020 | As per spec no. RDSO/PE/SPEC/AC/0184- 2015(REV.0) | 01 |
| 08. | Alternator "A" Make: GREAVES Sr no : 3309121905203 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |
| 09. | Diesel Engine "A" Make: GREAVES Sr no : 1309121905203 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |
| 10. | Control panel for Ventilator Fan Motor for Diesel Engine "A" Make: SYSTEMS Sr no: SSPC/EDTS110/T1/0819/81 | As per spec no. EDTS 110,Rev- nil | 01 |
| 11. | Ventilator Fan Motor for Diesel Engine "A" Make: GREAVES Sr no.1: RKBM 22694 Make: GREAVES Sr.no.2: RKBM 22742 | As per spec no EDTS -102 REV-D,PART -A | 02 |
| 12. | Control Panel for Radiator Fan Motor for Diesel Engine -A Make : BHASIN Sr no : 11194651/1 | As per spec no. EDTS 104, Rev'A' | 01 |
| 13. | Radiator Fan Motor for Diesel Engine -A Make: GREAVES Sr no : SFGM 48595 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |

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: 01

DATE:10.01.2020

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ROLLING STOCK CERTIFICATE OF LHB POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|--|--------------------|
| 14. | Alternator "B" Make: GREAVES Sr no : 3309121906128 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |
| 15. | Diesel Engine "B" Make: GREAVES Sr no : 1309121906128 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |
| 16. | Control panel for Ventilator Fan Motor for Diesel Engine "B". Make : SYSTEMS Sr no : SSPC/EDTS110/T1/0819/48 | As per spec no. EDTS 110,Rev nil,AM-1. | 01 |
| 17. | Ventilator Fan Motor for Diesel Engine "B" Make: GREAVES Sr no.1: RKBM 22708 Make: GREAVES Sr no.2: IVI 22649 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |
| 18. | Control Panel for Radiator Fan Motor for Diesel Engine "B" Make: BHASIN Sr no : 11194651/2 | As per spec no. EDTS 114, Rev.-B | 01 |
| 19. | Radiator Fan Motor for Diesel Engine "B" Make: GREAVES Sr no : SGGM 48521 | As per spec no. EDTS 102, Rev'D' AM-4,PART-A | 01 |
| 20. | 24V DC starter Battery Charger for 500KVA DA set. Make: EI Sr.no.: 4303-11/19 | As per Spec no. 106 Rev.- Nil,AM-1 or latest. | 01 |
| 21. | Starter Battery Charging Control Panel (S-40) Make : BHASIN Sr no: 07195370 | As per spec no. EDTS 116,Rev nil | 01 |
| 22. | Feeder Junction box. Make: MV ELECTRO SYSTEMS | As per EDML-021,Rev.-L. | 01 set |
| 23. | Provision of Single Inlet Radial Blower, 415V/03Ph/185W/ 1045 Cub mtr/hr discharge from S1 & S2 & Lavatory. Make: INTEG | As per EDTS 331,Corr-3,Type-II. Cat. no. 64D180BD,Rev nil. | 01 |
| 24. | Battery fuse box +ve Make : RICHMOND ENTERPRISES | As per LW 71001,Alt-G | 01 |
| 25. | Battery fuse box -ve Make : RICHMOND ENTERPRISES | As per LW 71002,Alt-G | 01 |
| 26. | IVC dummy Socket assembly Make: S.INTERNATIONALS | As per Drg. No. LW71302,Alt-nil | 03 |
| 27. | Provision of 60KVA TFR Make: VIMAL Sr no: 1. VTC-R-3089-LHB-2669 Make: VIMAL Sr no: A. VTC-R-3089-LHB-3233 Make: VIMAL Sr no: B. VTC-R-3089-LHB-3281 | As per spec no. RDSO/PE/SPEC/AC/0080-2007,Rev.-1 with RCF/KXH Corr. 1 & 2: 1. for panel 2. for Rad. Motor A 3. for Rad. Motor B | 03 |

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

REV NO: 01

DATE:10.01.2020

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ROLLING STOCK CERTIFICATE OF LHB POWER CAR

| Sr no | Description | Drg/Spec no. | Quantity per Coach |
|-------|--|--|--------------------|
| 42. | Mounting of inter Vehicle coupler | As per drg no 1.10113.0.74.000.001 Alt nil. | ok |
| 43. | Provision of High Capacity Inter – Vehicular Coupler Unit(ZS Coupling) (500 A,750 V,3 ph,50 Hz).Make: 1.(NPP): S.INTERNATIONALS 2.(PP): PRIME ELECT. | As per Spec. no. RDSO/PE/SPEC/AC/0177(Rev.-0)- 2013 with annexure-A,B. | 01 Set |
| 44. | Provision of External supply Socket 125A/415V/IP67/5-Pole (3Ph+1N+1E) complete with pilot contacts. Make: JAI BALAJI | As per 1948036 /UIB4125-6. | 02 |
| 45. | Provision of Wheel Set Earthing Equipment. Make NPP: CHANDA & CHANDA PP: CHANDA & CHANDA | As per spec no. EDTS 101 ,Rev.-C,AM-1,Corr-6. | 01 Set |
| 46. | Public addressing System Make: AHUJA | EDTS -173,Rev-B or latest | 01 Set |
| 47. | Provision of Anti Skid Disk Brake System.(WSP) Make : ESCORTS Sr no : 180055-59399-0150 | As per MDTs 077,Rev.-2 M/s"FAIVELEY" or "Knorr Bremse", or "ESCORTS" | 01 Set |
| 48. | Roof mounted AC Package unit Make : INTEC PP: 19M 1711 CPU No: 19.05.2362-SIDWAL | RDSO/PE/SPEC/AC/0061 2005,REV-1,TYPE-1 | 01 |

| | |
|-----------|-----------------------------------|
| | |
| SSE/EL/QC | SEE(P)/MCF/RBL/ A.W.M./MCF/RBL |

वरिष्ठ अनुभाग अभियन्ता
गुणवत्ता नियंत्रण
आररेडिको/लालगंज/रायबरेली
S.S.E./Elect-QC/M.C.F./LJ/RBL

सं कार्य प्रबन्धक/विद्युत
आररेडिको
A.W.M./Electrician