



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

| | | | | | | | |
|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5142 | DISPATCH DATE: | | | 03.03.2016 | |
| 2. | RAILWAY | ECR | Type: | WGACCN | Coach No.: | 15107 | |
| 3. | Booked to | SSE/C&W/DHN | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1094/1104 | 1102/1100 | | |
| viii) | Buffer/CBC (Make) | | | ATUL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | | PU PAINT | VIBGYOR | 87/88 | | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | SAVITRI | | | |
| iii. | WATER TANKS | | | KUTEER, RAIL FAB, RAIL TECH | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | ORIENTAL | | | |
| vi. | UIC VESTIBULE | | | WRM | | | |
| vii. | LAV. DOORS | | | GANDHI | | | |
| viii. | LP SHEET | | | LP | | | |
| ix. | BIO- TOILET | | | RAIL TECH | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



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|------|--|------------------------------------|---|-------------|-------------|-------------------|-------------|-------------|-------------------|-------------|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | | |
| | | 5142 | ECR | | WGACCN | | 15107 | | 09-01-2016 | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. | Bogie No. | 163008 | | | | 163010 | | | | |
| | ii. | Frame No. | UBLS-4928 | | | | UBLS-5019 | | | | |
| | iii. | Axle No. | 06737 | | 06824 | | 06922 | | 06925 | | |
| | iv. | Wheel Diameter | 915.00 | 915.00 | 915.00 | 915.00 | 915.00 | 915.00 | 915.50 | 915.50 | |
| | v. | Wheel Disc No. | 49474/10315 | 47847/09777 | 49591/10345 | 47544/09658 | 47846/09772 | 50160/10518 | 50095/10518 | 49598/10345 | |
| | vi. | R.B. Nos. | Q3350 | Q3364 | V1121 | V1261 | Q3370 | Q3385 | V1120 | V1274 | |
| | vii. | R.B. Make | FAG | | FAG | | FAG | | FAG | | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 11.3 | <u>Items Traceability:</u> | | | | PP SIDE | | | NPP SIDE | | | |
| | i. | BRAKE CYLINDER Make & NO. | | | | PEW-E10051,E10015 | | | PEW-E10055,E11373 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | ESCORTS-0340,0183 | | | ESCORTS-0134,0333 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

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QMF4254;
Version: 05

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|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5141 | DISPATCH DATE: | | | 05.03.2016 | |
| 2. | RAILWAY | ECR | Type: | WGACCN | Coach No.: | 15110 | |
| 3. | Booked to | SSE/C&W/RNCC | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1100/1100 | 1104/1104 | | |
| viii) | Buffer/CBC (Make) | | | ATUL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | VIBGYOR | 86/87 | | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | SAVITRI | | | |
| iii. | WATER TANKS | | | KUTEER, RUBICONE | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | ORIENTAL | | | |
| vi. | UIC VESTIBULE | | | WRM | | | |
| vii. | LAV. DOORS | | | GANDHI | | | |
| viii. | LP SHEET | | | LP | | | |
| ix. | BIO- TOILET | | | RAIL TECH | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



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| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date |
| | | 5141 | ECR | | WGACCN | | 15110 | | 14-01-2016 |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | |
| | i. Bogie No. | 163014 | | | | 163012 | | | |
| | ii. Frame No. | UBLS-4779 | | | | UBLS-4918 | | | |
| | iii. Axle No. | 06571 | | K-7301 | | K-5322 | | K-7506 | |
| | iv. Wheel Diameter | 915.00 | 915.00 | 915.00 | 915.00 | 916.00 | 916.00 | 916.00 | 916.00 |
| | v. Wheel Disc No. | 47731/09724 | 48017/09986 | 49378/10278 | 50078/10518 | 52992/11194 | 52987/11194 | 49356/10278 | 53064/11194 |
| | vi. R.B. Nos. | V1245 | V1172 | T0120 | T0080 | V1300 | P0341 | T0893 | T0909 |
| | vii. R.B. Make | FAG | | FAG | | FAG | | FAG | |
| | viii. R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 11.3 | <u>Items Traceability:</u> | | | | PP SIDE | | NPP SIDE | | |
| | i. | BRAKE CYLINDER Make & NO. | | | PEW-10118,10131 | | | PEW-11643,11097 | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | ESCORTS-0481,0215 | | | ESCORTS-5199,1325 | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | |

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Form No. :

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|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5144 | DISPATCH DATE: | | | 12.02.2016 | |
| 2. | RAILWAY | ECR | Type: | WGACCN | Coach No.: | 15111 | |
| 3. | Booked to | SSE/C&W/RNCC | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1100/1102 | 1100/1100 | | |
| viii) | Buffer/CBC (Make) | | | ATUL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | VIBGYOR | 85/86 | | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | SAVITRI | | | |
| iii. | WATER TANKS | | | E C BLADES, RAIL TECH | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | ORIENTAL | | | |
| vi. | UIC VESTIBULE | | | WRM | | | |
| vii. | LAV. DOORS | | | GANDHI | | | |
| viii. | LP SHEET | | | LP | | | |
| ix. | BIO- TOILET | | | RAIL TECH | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



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| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | 5144 | ECR | | WGACCN | | 15111 | | 15-01-2016 | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. Bogie No. | 163015 | | | | 163016 | | | | |
| | ii. Frame No. | UBLS-4931 | | | | UBLS-4957 | | | | |
| | iii. Axle No. | K-5739 | | J-8688 | | 06413 | | J-2912 | | |
| | iv. Wheel Diameter | 915.50 | 915.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | |
| | v. Wheel Disc No. | 42269/08697 | 53056/11194 | 49365/10278 | 51850/10551 | 44182/02577 | 50107/10518 | 53099/11194 | 49259/10278 | |
| | vi. R.B. Nos. | V1252 | V1335 | T0506 | T0505 | V0987 | V1053 | T0901 | T0507 | |
| | vii. R.B. Make | FAG | | FAG | | FAG | | FAG | | |
| | viii. R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 11.3 | <u>Items Traceability:</u> | | | | PP SIDE | | NPP SIDE | | | |
| | i. | BRAKE CYLINDER Make & NO. | | | AJT-8651,8676 | | AJT-3946,3827 | | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | K/B-99841,99974 | | K/B-99982,00334 | | | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | | |

WGACCN-5144



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|-------|---|---------------------------------------|----------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5143 | DISPATCH DATE: | | | 09.03.2016 | |
| 2. | RAILWAY | ECR | Type: | WGACCN | Coach No.: | 15108 | |
| 3. | Booked to | SSE/C&W/RNCC | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1100/1100 | 1104/1104 | | |
| viii) | Buffer/CBC (Make) | | | ATUL | | | |
| ix) | Draw Gear (Make) | | | CFPL | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | | BP Blasts out, Brakes "ON" | | | |
| 7.5 | Piston stroke for BMBC type coach only | | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | VIBGYOR | 86/87 | | |
| 8.2 | APPLICATION OF PCN-123 | | | SATISFACTORY | | | |
| 8.3 | INSUALTION | | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | SAVITRI | | | |
| iii. | WATER TANKS | | | KUTEER, RAIL TECH | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | NARBADA | | | |
| vi. | UIC VESTIBULE | | | WRM | | | |
| vii. | LAV. DOORS | | | GANDHI | | | |
| viii. | LP SHEET | | | LP | | | |
| ix. | BIO- TOILET | | | RAIL TECH | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



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| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5143 | ECR | WGACCN | 15108 | 11-01-2016 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 163005 | | | | 163009 | | | |
| | ii. | Frame No. | UBLS-4895 | | | | UBLS-4912 | | | |
| | iii. | Axle No. | 06817 | 06213 | | J-2833 | | K-4265 | | |
| | iv. | Wheel Diameter | 915.00 | 915.00 | 917.00 | 916.50 | 915.00 | 915.00 | 915.00 | 915.00 |
| | v. | Wheel Disc No. | 47757/09074 | 47925/09777 | 49600/00345 | 50131/10518 | 42332/08697 | 47703/09724 | 42287/08697 | 42238/08697 |
| | vi. | R.B. Nos. | Q3352 | Q3365 | Q3346 | Q3327 | Q0678 | Q0314 | Q3318 | Q3326 |
| | vii. | R.B. Make | FAG | | FAG | | FAG | | FAG | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 11.3 | Items Traceability: | | | | PP SIDE | | NPP SIDE | | | |
| | i. | BRAKE CYLINDER Make & NO. | | | PEW-10169,10163 | | | PEW-10161,10094 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | K/B-0240,0235 | | | K/B-0221,0229 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | | |

WGACCN-5143



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Form No. :

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Version: 05

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|-------|---|---------------------------------------|----------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5145 | DISPATCH DATE: | | | 10.03.2016 | |
| 2. | RAILWAY | ECR | Type: | WGACCN | Coach No.: | 15109 | |
| 3. | Booked to | SSE/C&W/RNCC | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1104/1104 | 1104/1104 | | |
| viii) | Buffer/CBC (Make) | | | ATUL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | | BP Blasts out, Brakes "ON" | | | |
| 7.5 | Piston stroke for BMBC type coach only | | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | VIBGYOR | 86/87 | | |
| 8.2 | APPLICATION OF PCN-123 | | | SATISFACTORY | | | |
| 8.3 | INSUALTION | | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | RCF MADE | | | |
| iii. | WATER TANKS | | | EC BLDE,RUBICON, RAIL TECH | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | ORIENTAL | | | |
| vi. | UIC VESTIBULE | | | WRM | | | |
| vii. | LAV. DOORS | | | GANDHI | | | |
| viii. | LP SHEET | | | LP | | | |
| ix. | BIO- TOILET | | | RAIL TECH | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | | NIL | | |
| | 10.2 | Deviations (if any): | | | NIL | | |



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Rail Coach Factory , Kapurthala

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|------|--|---|-------------|-------------|-----------------|-------------|-----------------|-------------|---------------|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date |
| | | 5145 | ECR | | WGACCN | | 15109 | | 15-01-2016 |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | |
| | i. Bogie No. | 163003 | | | | 163011 | | | |
| | ii. Frame No. | UBLS-4979 | | | | UBLS-5001 | | | |
| | iii. Axle No. | J-8752 | | 06248 | | 06755 | | 6757 | |
| | iv. Wheel Diameter | 915.00 | 915.00 | 916.00 | 916.00 | 915.00 | 915.00 | 915.00 | 915.00 |
| | v. Wheel Disc No. | 42289/08697 | 42245/08677 | 50111/10518 | 50137/10518 | 47836/09777 | 50153/10518 | 47866/09777 | 47601/09658 |
| | vi. R.B. Nos. | T0155 | T0220 | Q3322 | Q3342 | Q3345 | Q3347 | Q3349 | Q3388 |
| | vii. R.B. Make | FAG | | FAG | | FAG | | FAG | |
| | viii. R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 11.3 | <u>Items Traceability:</u> | | | | PP SIDE | | NPP SIDE | | |
| | i. | BRAKE CYLINDER Make & NO. | | | PEW-10032,10170 | | PEW-9979,10077 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | K/B-02993,02923 | | K/B-03067,02886 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | |

WGACCN-5145



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

| | | | | | | | |
|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5146 | DISPATCH DATE: | | | 11.03.2016 | |
| 2. | RAILWAY | ECR | Type: | WGACCN | Coach No.: | 15112 | |
| 3. | Booked to | SSE/C&W/DBG | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1100/1100 | 1104/1104 | | |
| viii) | Buffer/CBC (Make) | | | ATUL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | VIBGYOR | 86/87 | | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | SAVITRY | | | |
| iii. | WATER TANKS | | | SHIVALIK, RAIL TECH | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | ORIENTAL | | | |
| vi. | UIC VESTIBULE | | | CEMCON | | | |
| vii. | LAV. DOORS | | | GANDHI | | | |
| viii. | LP SHEET | | | PL | | | |
| ix. | BIO- TOILET | | | ORIENTAL | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



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|------|--|---|---------------|---------------|---------------|-------------------|---------------|-------------------|---------------|--|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5146 | ECR | WGACCN | 15112 | 04-12-2015 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. Bogie No. | 153447 | | | | 153489 | | | | |
| | ii. Frame No. | UBLS-4672 | | | | UBLS-4923 | | | | |
| | iii. Axle No. | J-2844 | | A-3542 | | K-5420 | | K-4556 | | |
| | iv. Wheel Diameter | 917.00 | 917.00 | 917.00 | 917.00 | 916.00 | 916.00 | 916.00 | 916.00 | |
| | v. Wheel Disc No. | 10332/ 214 | 10308/ 286 | 13866/ 315 | 16187/ 241 | 11984/ 246 | 12162/ 285 | 07319/ 219 | 14139/24 2 | |
| | vi. R.B. Nos. | G1467 | H0909 | H1350 | H1315 | U2462 | U2562 | R0406 | R0211 | |
| | vii. R.B. Make | NBC | | NBC | | FAG | | FAG | | |
| | viii. R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 11.3 | <u>Items Traceability:</u> | | | | PP SIDE | | NPP SIDE | | | |
| | i. | BRAKE CYLINDER Make & NO. | | | | PEW-12981,12943 | | PEW -5172,5085 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | ESCORTS-4535,4672 | | IAI-144561,144599 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

WGACCN-5146