



ROLLING STOCK CERTIFICATE

Form No. : **QMF4254; Version: 05**

| | | | | | | |
|-----|-----------------------------------|---|---------------------------------------|----------|--|--------------|
| 1. | SHELL No: | 4026 | DISPATCH DATE: | | | 20.10.2014 |
| 2. | Rly: | SECR | Type: | MEMU/TC2 | Coach No.: | 14898 |
| 3. | Booked to | SSE/C&W/BSP | | | | |
| 4. | Tare Weight of Coach : | 33.15 T | | | | |
| 5. | Carrying Capacity : | Seating: | 80 | Standing | 272 | 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 | | NA | NA |
| | vii) | Make : | NA | | | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1035/1033 | |
| | x) | Shaku Coupler Make: | ESCORTS | | | |
| 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 | ADVANCE | 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 | | | MOHAN | |
| | lii | PVC | | | RESPONSIVE | |
| | lv | FLOOR BOARD | | | ORIENTAL | |
| | v | UIC VESTIBULE | | | KRP | |
| | Vi | LP SHEETS | | | PUNJAB LAMINATE | |
| | Vii | BODY SIDE WINDOW | | | ABC | |
| | Viii | EMERGENCY WINDOW | | | ABC | |
| | Xi | DOOR WINDOW | | | AGF, MOHAN | |
| | X | WATER TANK | | | RUBICONE | |
| | Xi | LAV WINDOW | | | MECIDON | |
| | xii | LAV DOOR | | | SAVITRI | |
| 10. | 10.1 | Modification/ Trial (if any): | | | NIL | |
| | 10.2 | Deviations (if any): | | | NIL | |



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|------|--|--------------------------------------|---|---------------|---------------|-----------------|---------------|---------------|---------------|---------------|
| 12. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 4026 | SECR | MEMU-TC | 14898 | 24-09-2014 | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 145108 | | | | 145107 | | | |
| | ii. | Frame No. | ASR-101 | | | | ASR-93 | | | |
| | iii. | Axle No. | 8071 | | 5021 | | S-7075 | | W-3097 | |
| | iv. | Wheel Diameter | 955.00 | 955.00 | 952.00 | 952.00 | 954.00 | 954.00 | 954.00 | 954.00 |
| | v. | Wheel Disc No. | 06466/ 940 | 06293/ 940 | 06323/ 951 | 05786/ 945 | 06362/ 958 | 06481/ 940 | 06364/ 941 | 06308/94 3 |
| | vi. | R.B. Nos. | U-1521 | U-1537 | U-458 | U-2577 | U-1707 | U-1336 | U-1959 | U-1927 |
| | vii. | R.B. Make | FAG | | FAG | | FAG | | FAG | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | Items Traceability: | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | PEW / AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNOR-BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

MEMU/TC2—4026



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

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|-----|-----------------------------------|---|---------------------------------------|----------|--|--------------|-----------|
| 1. | SHELL No: | 4020 | DISPATCH DATE: | | | | 30.9.2014 |
| 2. | Rly: | SECR | Type: | MEMU/TC2 | Coach No.: | 14896 | |
| 3. | Booked to | SSE/C&W/DNR | | | | | |
| 4. | Tare Weight of Coach : | 33.15 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 80 | Standing | 272 | 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 | | NA | NA | |
| | vii) | Make : | | | NA | | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1035/1032 | | |
| | x) | Shaku Coupler Make: | | | SANROK | | |
| 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 | ADVANCE | 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 | | | AAR KAY FOAMS | | |
| | lii | PVC | | | RESPONSIVE | | |
| | lv | FLOOR BOARD | | | TAYAL | | |
| | v | UIC VESTIBULE | | | KRP | | |
| | Vi | LP SHEETS | | | NA | | |
| | Vii | BODY SIDE WINDOW | | | GI | | |
| | Viii | EMERGENCY WINDOW | | | ABC | | |
| | Xi | DOOR WINDOW | | | AGF | | |
| | X | WATER TANK | | | RUBICON | | |
| | Xi | LAV WINDOW | | | MECIDON | | |
| | xii | LAV DOOR | | | SAVITRI | | |
| 10. | 10.1 | Modification/ Trial (if any): | | | | NIL | |
| | 10.2 | Deviations (if any): | | | | NIL | |



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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|------|--|--------------------------------------|---|---------------|---------------|-----------------|---------------|---------------|---------------|---------------|--|
| 12. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | | |
| | | 4020 | SECR | MEMU-TC | 14896 | 04-09-2014 | | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. | Bogie No. | 145100 | | | | 145101 | | | | |
| | ii. | Frame No. | ASR-99 | | | | ASR-97 | | | | |
| | iii. | Axle No. | T-0087 | | Y-6437 | | U-9402 | | U-8334 | | |
| | iv. | Wheel Diameter | 954.00 | 954.00 | 954.00 | 954.00 | 954.00 | 954.00 | 954.00 | 954.00 | |
| | v. | Wheel Disc No. | 05541/ 937 | 06366/ 940 | 06329/ 942 | 05775/ 929 | 06359/ 958 | 06957/ 944 | 05601/ 928 | 05705/92 7 | |
| | vi. | R.B. Nos. | U1585 | U1559 | E2964 | E2970 | U1580 | U1571 | U1741 | U1705 | |
| | vii. | R.B. Make | FAG | | NBC | | FAG | | FAG | | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 12.3 | Items Traceability: | | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | | ESCORTS | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | | KNOR-BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |