



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | |
|-----|-----------------------------------|---|---|----------------------------|--|--------------|
| 1. | SHELL No: | 4004 | DISPATCH DATE: | | | 27/09/2014 |
| 2. | Rly: | ECR | Type: | MEMU/MC | Coach No.: | 40064 |
| 3. | Booked to | SSE/C&W/DNR | | | | |
| 4. | Tare Weight of Coach : | 61 T | | | | |
| 5. | Carrying Capacity : | Seating: | 65 | Standing | 138 | 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 (AE63143) mm | |
| | vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | i) 1102 | ii) 1104 |
| | vii) | Make : | | | JLS | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1030 | |
| | x) | Shaku Coupler Make: | | | SANROK, ESCORTS | |
| 7. | Air Brake Testing: | | | | | |
| | | Description | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² 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 | |
| | 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 SINGH | | |
| | iii | PVC | | RESPONSIVE | | |
| | iv | FLOOR BOARD | | ORIENTAL | | |
| | v | UIC VESTIBULE | | KRP | | |
| | Viv | LP SHEETS | | PUNJAB LAMINATE | | |
| | Vii | BODY SIDE WINDOW | | ABC | | |
| | Viii | EMERGENCY WINDOW | | CP | | |
| | xi | DOOR WINDOW | | AGF | | |
| 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 | | | | |
| | | 4004 | ECR | MEMU/DMC | 40064 | 19-08-14 | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 144029 | | | | 144030 | | | |
| | ii. | Frame No. | VS-15 | | | | VS-12 | | | |
| | iii. | Axle No. | T-0993 | | T-1009 | | T-0936 | | T-1088 | |
| | iv. | Wheel Diameter | 953.00 | 953.00 | 952.00 | 952.00 | 952.00 | 952.00 | 953.00 | 953.00 |
| | v. | Wheel Disc No. | 03539/ 2V17 | 08311/ 2W33 | 02062/ 2V53 | 02071/ 2V51 | 00852/ 2V24 | 0862/2 V91 | 01143/ 2V13 | 08623/2 W91 |
| | vi. | R.B. Nos. | P241 | P70 | P201 | P75 | P63 | P100 | P101 | P04 |
| | 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) | | | | AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | I.A.I | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|--|--|--------------|------------|
| 1. | SHELL No: | 4003 | DISPATCH DATE: | | | | 30/09/2014 |
| 2. | Rly: | ECR | Type: | MEMU/MC | Coach No.: | 40065 | |
| 3. | Booked to | SSE/C&W/DNR | | | | | |
| 4. | Tare Weight of Coach : | 61 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 65 | Standing | 138 | 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 (AE63143) mm | | |
| | vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | i) 1100 | ii) 1100 | |
| | vii) | Make : | REPL | | | | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1035 | | |
| | x) | Shaku Coupler Make: | SANROK | | | | |
| 7. | Air Brake Testing: | | | | | | |
| | | Description | Specified | | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | | Brake release time to reach .4 Kg/cm ² | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | No brake application | | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² 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 | | ORIENTAL | | | |
| | v | UIC VESTIBULE | | KRP | | | |
| | Viv | LP SHEETS | | NK | | | |
| | Vii | BODY SIDE WINDOW | | ABC | | | |
| | Viii | EMERGENCY WINDOW | | CP | | | |
| | xi | DOOR WINDOW | | AGF | | | |
| 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 | | | | |
| | | 4003 | ECR | MEMU/DMC | 40065 | 02-09-14 | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 144031 | | | | 144032 | | | |
| | ii. | Frame No. | ECBT-116 | | | | DMC-VS-22 | | | |
| | iii. | Axle No. | T-0992 | | T-1019 | | T-1048 | | T-1074 | |
| | iv. | Wheel Diameter | 952.00 | 952.00 | 953.00 | 953.00 | 953.00 | 953.00 | 952.00 | 952.00 |
| | v. | Wheel Disc No. | 09310/ 2W33 | 08309/ 2W33 | 00279/ 2W29 | 08621/ 2W91 | 08622/ 2W91 | 00280/ 2V29 | 04126/ 2W11 | 04125/2 W11 |
| | vi. | R.B. Nos. | P-25 | P-255 | P-52 | P-47 | P-61 | P-13-P | P-168 | P-95 |
| | vii. | R.B. Make | FAG | | FAG | | FAG | | FAG | |
| | viii | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | IAI | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

MEMU/DMC—4003