



ROLLING STOCK CERTIFICATE

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

|     |                                   |   |                                       |                            |  |              |
|-----|-----------------------------------|---|---------------------------------------|----------------------------|--|--------------|
| 1.  | SHELL No:                         | 5003  | DISPATCH DATE:                        |                            |  | 15.07.2015   |
| 2.  | Rly:                              | ECR   | Type:                                 | MEMUMC                     | Coach No.:   | 40059        |
| 3.  | Booked to                         | <b>SSE/C&amp;W/HAZIPUR</b>                            |                                       |                            |  |              |
| 4.  | Tare Weight of Coach :            | 61 T  |                                       |                            |  |              |
| 5.  | Carrying Capacity :               | Seating:  | 65                                    | <b>Standing</b>            | 138  | Luggage: NIL |
| 6.  | Shell Details: (SG-90004 alt 'b') |   |                                       |                            |  |              |
|     | <b>6.1</b>                        | <b>Leading Dimensions;</b>                            |                                       |                            |  |              |
|     | i)                                | Maximum height above rail to top of Roof ventilator   |                                       |                            | 4100 ± 5 (for NAC)<br>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) 1101     |
|     | vii)                              | Make :  | HEPL                                  |                            |  |              |
|     | ix)                               | Shaku Coupler Height                                  | Specified : 1035 +0 /-5 mm            |                            | 1031   |              |
|     | 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)<br>3 to 5 Sec (for Non BMBC type)   |              |
|     |                                   |   | Brake release time to reach .4 Kg/cm2 |                            | Less than 20 Sec (for BMBC type)<br>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                    | 85/85  |              |
|     | 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  |              |
|     | Viv                               | LP SHEETS   |                                       |                            | NA   |              |
|     | Vii                               | BODY SIDE WINDOW                                      |                                       |                            | ABC  |              |
|     | Viii                              | EMERGENCY WINDOW                                      |                                       |                            | IRCP   |              |
|     | xi                                | DOOR WINDOW   |                                       |                            | MECIDONE   |              |
| 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          |            |                         |            |  |
|      |  | 5003                                    | ECR        | MEMUMC     | 40059      | 02-07-2015             |            |                         |            |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |            |            |            |                        |            |                         |            |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |            |            |            | NPP Side               |            |                         |            |  |
|      | i. Bogie No.   | 154015                                  |            |            |            | 154016                 |            |                         |            |  |
|      | ii. Frame No.  | ECBT-129                                |            |            |            | ECBT-127               |            |                         |            |  |
|      | iii. Axle No.  | A-7412                                  |            | A-7397     |            | A-7454                 |            | A-7409                  |            |  |
|      | iv. Wheel Diameter                                     | 953.00                                  | 953.00     | 953.00     | 953.00     | 953.00                 | 953.00     | 954.00                  | 953.50     |  |
|      | v. Wheel Disc No.                                      | 03442/2V61                              | 01830/2V62 | 02810/2V43 | 02103/2W24 | 03428/2V29             | 05160/2W52 | 06150/2W43              | 02807/2V62 |  |
|      | vi. R.B. Nos.  | 0-307                                   | 0-329      | 0-293      | 0-181      | O-311                  | O-291      | O-396                   | O-308      |  |
|      | 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.               |            |            |            | SIL-604,3604,1204,1304 |            | SIL-1006,3706,1104,0104 |            |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |            |            |            | K/B-8617,8539          |            | K/B-8509,8571           |            |  |
| 11.4 | i.   | Modification/ Trail (if any):           |            |            |            | NIL                    |            |                         |            |  |
|      | ii.  | Deviations (if any):                    |            |            |            | NIL                    |            |                         |            |  |

MEMU/DMC—5003