



ROLLING STOCK CERTIFICATE

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

| | | | | | | |
|-----|-----------------------------------|---|---|-----------------|--|-----------------|
| 1. | SHELL No: | 5004 | DISPATCH DATE: | | | 20.5.2015 |
| 2. | Rly: | ECR | Type: | MEMU/TC2 | Coach No.: | 41169 |
| 3. | Booked to | SSE/C&W/HAZI PUR | | | | |
| 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 | | 1035/1035 | |
| | x) | Shaku Coupler Make: | | | 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 | VIBGYOR | 85/85 | |
| | 8.2 | APPLICATION OF PCN-123 | | | SATISFACTORY | |
| | 8.3 | INSUALTION | | | SATISFACTORY | |
| 9. | Traceability of Furnishing Items: | | | | | |
| | i. | BRAKE EQUIPMENT | | | | Make ESCORTS |
| | ii. | SEAT & BERTH | | | | OVPL |
| | lii | PVC | | | | RESPONSIVE |
| | Iv | FLOOR BOARD | | | | TAYAL |
| | V | UIC VESTIBULE | | | | KRP |
| | Vi | LP SHEETS | | | | NK |
| | Vii | BODY SIDE WINDOW | | | | ABC |
| | Viii | EMERGENCY WINDOW | | | | MRTC |
| | Xi | DOOR WINDOW | | | | ABC |
| | X | WATER TANK | | | | RAIL FAB |
| | 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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Rail Coach Factory , Kapurthala

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| | | | | | | | | | | | |
|------|--|---------------------------------|---|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--|
| 12. | Bogie Details: | Shell No. | | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | 5004 | | ECR | | MEMU /TC | | 41169 | | 14-03-2015 | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 155009 | | | | 155010 | | | | |
| | ii. | Frame No. | ASR-144 | | | | ASR-139 | | | | |
| | iii. | Axle No. | 4120 | | 3913 | | V-9152 | | 4137 | | |
| | iv. | Wheel Diameter | 953.00 | 915.00 | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 | |
| | v. | Wheel Disc No. | 08882/ 940 | 08862/ 941 | 088541 /942 | 07352/ 960 | 07187/ 936 | 07350/ 940 | 08863/ 946 | 08865/94 2 | |
| | vi. | R.B. Nos. | V1670 | V2508 | V1711 | V1648 | V1506 | V1486 | V1698 | V1726 | |
| | 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) | | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |

MEMU/TC2—5004



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | |
|-----|-----------------------------------|---|---------------------------------------|----------|--|--------------|
| 1. | SHELL No: | 5006 | DISPATCH DATE: | | | 25.05.2015 |
| 2. | Rly: | ECR | Type: | MEMU/TC2 | Coach No.: | 14171 |
| 3. | Booked to | SSE/C&W/HAZIPUR | | | | |
| 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 : WSF | NA | | | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1035/1035 | |
| | 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 | 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 | | | OVPL | |
| | lii | PVC | | | RESPONSIVE | |
| | Iv | FLOOR BOARD | | | TAYAL | |
| | V | UIC VESTIBULE | | | KRP | |
| | Vi | LP SHEETS | | | NK | |
| | Vii | BODY SIDE WINDOW | | | MOHAN | |
| | Viii | EMERGENCY WINDOW | | | ABC | |
| | Xi | DOOR WINDOW | | | MOHAN | |
| | X | WATER TANK | | | RAIL FAB | |
| | Xi | LAV WINDOW | | | MECIDON | |
| | xii | LAV DOOR | | | AMIR CHAND | |
| 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 | | | | | |
| | | 5006 | EC | MEMU-TC | 14171 | 19-12-2014 | | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. | Bogie No. | 145148 | | | | 145149 | | | | |
| | ii. | Frame No. | ASR-148 | | | | ASR-140 | | | | |
| | iii. | Axle No. | P-6097 | | A-3880 | | V-5582 | | A-5480 | | |
| | iv. | Wheel Diameter | 953.00 | 953.00 | 952.00 | 952.00 | 953.00 | 953.00 | 954.00 | 954.00 | |
| | v. | Wheel Disc No. | 08849/ 928 | 05720/ 936 | 06313/ 948 | 07277/ 936 | 08870/ 941 | 073308 /938 | 07869/ 946 | 08841/92 1 | |
| | vi. | R.B. Nos. | V1504 | V1456 | V1366 | V549 | V1501 | V1516 | S561 | A1508 | |
| | 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) | | | | | ESCORT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | | ESCORT | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |

MEMU/TC2—5006



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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---------------------------------------|----------|--|------------|-----|
| 1. | SHELL No: | 5005 | DISPATCH DATE: | | | 22.05.2015 | |
| 2. | Rly: | ECR | Type: | MEMU/TC2 | Coach No.: | 41170 | |
| 3. | Booked to | SSE/C&W/HAZIPUR | | | | | |
| 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 : ESCORTS | | | NA | | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1033/1033 | | |
| | x) | Shaku Coupler Make: | | | WSF | | |
| 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 | 85/85 | | |
| | 8.2 | APPLICATION OF PCN-123 | | | SATISFACTORY | | |
| | 8.3 | INSUALTION | | | SATISFACTORY | | |
| 9. | Traceability of Furnishing Items: | | | | Make | | |
| | i. | BRAKE EQUIPMENT | | | ESCORTS | | |
| | ii. | SEAT & BERTH | | | OVPL | | |
| | lii | PVC | | | RESPONSIVE | | |
| | Iv | FLOOR BOARD | | | TAYAL | | |
| | V | UIC VESTIBULE | | | KRP | | |
| | Vi | LP SHEETS | | | NK | | |
| | Vii | BODY SIDE WINDOW | | | MOHAN, GI | | |
| | Viii | EMERGENCY WINDOW | | | ABC | | |
| | Xi | DOOR WINDOW | | | MECIDONE | | |
| | X | WATER TANK | | | RAIL FAB | | |
| | Xi | LAV WINDOW | | | MECIDON | | |
| | xii | LAV DOOR | | | AMIR CHAND | | |
| 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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| | | | | | | | | | | |
|------|--|---------------------------------|---|---------------|---------------|---------------|---------------|---------------|---------------|-----------|
| 12. | Bogie Details: | Shell No. | Railway | | Type | Coach No. | | Dispatch Date | | |
| | | 5005 | EC | | MEMU /TC | 41170 | | 29-04-2015 | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | | PP Side | | | | NPP Side | | | |
| | i. | Bogie No. | 155013 | | | | 155015 | | | |
| | ii. | Frame No. | ASR-155 | | | | ASR-300 | | | |
| | iii. | Axle No. | 10366 | | 10025 | | A-4202 | | A4401 | |
| | iv. | Wheel Diameter | 953.50 | 953.00 | 953.00 | 953.00 | 953.50 | 953.50 | 953.00 | 953.50 |
| | v. | Wheel Disc No. | 07309/9 35 | 08838/9 43 | 07345/9 29 | 07333/9 35 | 06948/9 40 | 07300/9 44 | 07355/9 41 | 08889/944 |
| | vi. | R.B. Nos. | J2056 | J2074 | M3211 | M3196 | J2069 | A-1186 | A-1089 | A1183 |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | ----- | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

MEMU/TC2—5005



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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | |
|-----|-----------------------------------|---|---------------------------------------|-----------|--|--------------|
| 1. | SHELL No: | 5007 | DISPATCH DATE: | | | 02.06.2015 |
| 2. | Rly: | ECR | Type: | MEMU/TC2 | Coach No.: | 41173 |
| 3. | Booked to | SSE/C&W/HAZIPUR | | | | |
| 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 : ESCORTS | | | 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 | 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 | | | OVPL | |
| | lii | PVC | | | RESPONSIVE | |
| | Iv | FLOOR BOARD | | | TAYAL | |
| | V | UIC VESTIBULE | | | KRP | |
| | Vi | LP SHEETS | | | NK | |
| | Vii | BODY SIDE WINDOW | | | MOHAN | |
| | Viii | EMERGENCY WINDOW | | | ABC | |
| | Xi | DOOR WINDOW | | | MECIDONE | |
| | X | WATER TANK | | | RAIL FAB | |
| | Xi | LAV WINDOW | | | MECIDON | |
| | xii | LAV DOOR | | | AMIR CHAND | |
| 10. | 10.1 | Modification/ Trial (if any): | | | NIL | |
| | 10.2 | Deviations (if any): | | | NIL | |



| | | | | | | | | | | |
|------|--|-------------------------------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 12. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | 5007 | ECR | | MEMU-TC | | 41173 | | 12-12-2014 | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 145141 | | | | 145144 | | | |
| | ii. | Frame No. | ASR-129 | | | | ASR-256 | | | |
| | iii. | Axle No. | A-5271 | | A-4252 | | T-3262 | | W-2361 | |
| | iv. | Wheel Diameter | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 |
| | v. | Wheel Disc No. | 07350/ 936 | 05332/ 937 | 07671/ 939 | 06280/ 946 | 08456/ 956 | 06932/ 940 | 06423/ 941 | 04038/94 2 |
| | vi. | R.B. Nos. | V-1470 | V-2440 | V-2385 | V-2391 | S-190 | S-200 | V-1620 | V-1626 |
| | 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) | | | | ESCORTS | | | | |
| ii. | SECONDARY Shock Absorber (Make) | | | | GABRIEL | | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

MEMU/TC2—5007



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

ROLLING STOCK CERTIFICATE

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

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|-----|-----------------------------------|---|---------------------------------------|-----------------|--|--------------|
| 1. | SHELL No: | 5001 | DISPATCH DATE: | | | 13.05.2015 |
| 2. | Rly: | ECR | Type: | MEMU/TC2 | Coach No.: | 41172 |
| 3. | Booked to | SSE/C&W/CHENNAI | | | | |
| 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 : ESCORTS | | | NA | |
| | ix) | Shaku Coupler Height | Specified : 1035 +0 /-5 mm | | 1035/1033 | |
| | x) | Shaku Coupler Make: | | | WSF | |
| 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 | | | OVPL | |
| | iii | PVC | | | RESPONSIVE | |
| | Iv | FLOOR BOARD | | | TAYAL | |
| | V | UIC VESTIBULE | | | KRP | |
| | Vi | LP SHEETS | | | NA | |
| | Vii | BODY SIDE WINDOW | | | ABC | |
| | Viii | EMERGENCY WINDOW | | | ABC | |
| | Xi | DOOR WINDOW | | | MECIDON | |
| | X | WATER TANK | | | RAIL FAB | |
| | Xi | LAV WINDOW | | | MECIDON | |
| | xii | LAV DOOR | | | TWPL | |
| 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 | | | |
| | | 5001 | ECR | | MEMU-TC | | 41172 | 26-12-2014 | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | | NPP Side | | | | |
| | i. | Bogie No. | 145146 | | | | | 145150 | | | |
| | ii. | Frame No. | ASR-141 | | | | | ASR-125 | | | |
| | iii. | Axle No. | A-5391 | | U-8247 | | RWF-92481 | | P-5833 | | |
| | iv. | Wheel Diameter | 953.50 | 953.00 | 953.00 | 953.00 | 953.00 | 953.00 | 954.00 | 954.00 | |
| | v. | Wheel Disc No. | 07340/ 953 | 07097/ 957 | 05672/ 956 | 06425/ 945 | 07344/ 936 | 07320/ 947 | 07227/ 939 | 05869/92 9 | |
| | vi. | R.B. Nos. | V1585 | V1616 | V1625 | V1610 | V1590 | V1600 | V1619 | V1565 | |
| | 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) | | | | | GABRIEL | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |

MEMU/TC2—5001