



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|       |   |                                       |                            |  |                     |                     |
|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5429</b>                           | DISPATCH DATE:             |  |                     | <b>09.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15423</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>86/89</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORT</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>LP</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>ORIENTAL</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|--|---|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|--|
| 11.  | Bogie Details:   | Shell No.                               | Railway   | Type      | Coach No. | Dispatch Date   |           |                 |           |  |
|      |  | 5429                                    | NE        | GS        | 15423     | 18-12-2015      |           |                 |           |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |           |           |           |                 |           |                 |           |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |           |           |           | NPP Side        |           |                 |           |  |
|      | i. Bogie No.   | 151639                                  |           |           |           | 151638          |           |                 |           |  |
|      | ii. Frame No.  | ASR-792                                 |           |           |           | ASR-930         |           |                 |           |  |
|      | iii. Axle No.  | 01587                                   |           | J-3176    |           | H-0139          |           | J-2792          |           |  |
|      | iv. Wheel Diameter                                     | 917.00                                  | 917.00    | 915.00    | 915.00    | 915.00          | 915.00    | 916.00          | 916.00    |  |
|      | v. Wheel Disc No.                                      | 16426/206                               | 16435/328 | 16429/230 | 13667/269 | 16539/231       | 16199/385 | 16435/287       | 16373/321 |  |
|      | vi. R.B. Nos.  | U2563                                   | U2595     | U2556     | Q2753     | Q2588           | U2506     | U2709           | U2613     |  |
|      | 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.               |           |           |           | ATOOL-867,941   |           | ATOOL-957,936   |           |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |           |           |           | K/B-06712,06398 |           | K/B-06671,06417 |           |  |
| 11.4 | i.   | Modification/ Trail (if any):           |           |           |           | NIL             |           |                 |           |  |
|      | ii.  | Deviations (if any):                    |           |           |           | NIL             |           |                 |           |  |

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|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5421</b>                           | DISPATCH DATE:             |  |                     | <b>08.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15421</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>CFPL</b>  |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>86/87</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORT</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE, AMIT</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>ABC, AGF, MECIDON</b>   |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PL</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL TECH, RAIL FAB</b>   |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|--|---|-----------|-----------|---------------|---------------|-----------------|-----------|-----------|--|
| 11.  | Bogie Details:   | Shell No.                               | Railway   | Type      | Coach No.     | Dispatch Date |                 |           |           |  |
|      |  | 5421                                    | NE        | GS        | 15421         | 18-12-2015    |                 |           |           |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |           |           |               |               |                 |           |           |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |           |           |               | NPP Side      |                 |           |           |  |
|      | i. Bogie No.   | 151641                                  |           |           |               | 151643        |                 |           |           |  |
|      | ii. Frame No.  | ASR-907                                 |           |           |               | ASR-605       |                 |           |           |  |
|      | iii. Axle No.  | K-4859                                  |           | J-2720    |               | 2045          |                 | K-4704    |           |  |
|      | iv. Wheel Diameter                                     | 917.00                                  | 917.00    | 916.00    | 916.00        | 917.00        | 917.00          | 916.00    | 916.00    |  |
|      | v. Wheel Disc No.                                      | 16510/393                               | 13924/218 | 09040/263 | 09036//224    | 16245/324     | 16241/396       | 16695/245 | 16228/266 |  |
|      | vi. R.B. Nos.  | U-2483                                  | U-2581    | U1971     | Q2754         | S0530         | U2722           | U2605     | U2731     |  |
|      | 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.               |           |           | ATOOL-889,871 |               | PEW-896,868     |           |           |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |           |           | K/B-0423,8763 |               | K/B-06384,06672 |           |           |  |
| 11.4 | i.   | Modification/ Trail (if any):           |           |           | NIL           |               |                 |           |           |  |
|      | ii.  | Deviations (if any):                    |           |           | NIL           |               |                 |           |           |  |

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|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1.    | SHELL No:   | 5426                                  | DISPATCH DATE:             |  |                     | 13.01.2016 |     |
| 2.    | RAILWAY   | NER                                   | Type:                      | GS   | Coach No.:          | 15426      |     |
| 3.    | Booked to   | SSE/C&W/CPR                           |                            |  |                     |            |     |
| 4.    | Tare Weight of Coach :                                | 36.99T                                |                            |  |                     |            |     |
| 5.    | Carrying Capacity :                                   | Seating:                              | 90                         | Sleeping:  | NIL                 | 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)<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 |                                       |                            | 200 mm   |                     |            |     |
| 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)<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  | 86/87               |            |     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | SATISFACTORY               |  |                     |            |     |
| 8.3   | INSUALTION  |                                       | SATISFACTORY               |  |                     |            |     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |            |     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | ESCORT   |                     |            |     |
| ii.   | SEAT & BERTH  |                                       |                            | OVPL   |                     |            |     |
| iii.  | WATER TANKS   |                                       |                            | RUBICONE   |                     |            |     |
| iv.   | PVC   |                                       |                            | RESPONSIVE   |                     |            |     |
| v.    | FLOOR BOARD   |                                       |                            | TAYAL  |                     |            |     |
| vi.   | WINDOWS   |                                       |                            | AGF, MECIDON   |                     |            |     |
| vii.  | LAV. DOORS  |                                       |                            | TWPL   |                     |            |     |
| viii. | LP SHEET  |                                       |                            | PL   |                     |            |     |
| ix)   | BIO- TOILET   |                                       |                            | RAIL TECH  |                     |            |     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            | NIL  |                     |            |     |
|       | 10.2  | Deviations (if any):                  |                            | NIL  |                     |            |     |



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| 11.  | <b>Bogie Details:</b>   | <b>Shell No.</b>                              |   | <b>Railway</b> |           | <b>Type</b>       |                 | <b>Coach No.</b> |                   | <b>Dispatch Date</b> |  |
|      |   | 5426  |   | NE             |           | GS                |                 | 15426            |                   | 27-11-2015           |  |
| 11.1 | <b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b> |   |   |                |           |                   |                 |                  |                   |                      |  |
| 11.2 | <b>Wheel &amp; Axle Details:</b>                              |   | <b>PP Side</b>                          |                |           |                   | <b>NPP Side</b> |                  |                   |                      |  |
|      | i.  | <b>Bogie No.</b>                              | 151531                                  |                |           |                   | 151529          |                  |                   |                      |  |
|      | ii.   | <b>Frame No.</b>                              | UBLS-1729                               |                |           |                   | UBLS-1712       |                  |                   |                      |  |
|      | iii.  | <b>Axle No.</b>                               | K-5598                                  |                | J-3163    |                   | J-8919          |                  | K-2610            |                      |  |
|      | iv.   | <b>Wheel Diameter</b>                         | 917.50                                  | 917.50         | 916.50    | 917.00            | 915.50          | 915.50           | 916.00            | 916.00               |  |
|      | v.  | <b>Wheel Disc No.</b>                         | 06403/386                               | 06313/375      | 06365/285 | 05873/266         | 06377/253       | 07214/253        | 16297/232         | 16296/295            |  |
|      | vi.   | <b>R.B. Nos.</b>                              | H1566                                   | H1513          | H1561     | H1542             | H1537           | H1319            | H1314             | H1562                |  |
|      | vii.  | <b>R.B. Make</b>                              | NBC                                     |                | NBC       |                   | NBC             |                  | NBC               |                      |  |
|      | viii.   | <b>R.B. Type</b>                              | Direct Mounted Spherical Roller Bearing |                |           |                   |                 |                  |                   |                      |  |
| 11.3 | <b>Items Traceability:</b>                                    |   |   |                |           | <b>PP SIDE</b>    |                 |                  | <b>NPP SIDE</b>   |                      |  |
|      | i.  | <b>BRAKE CYLINDER Make &amp; NO.</b>          |   |                |           | PEW-E9076,E11168  |                 |                  | PEW-E10033,E10103 |                      |  |
|      | ii.   | <b>SECONDARY Shock Absorber Make &amp;NO.</b> |   |                |           | ESCORTS-8856,8930 |                 |                  | ESCORTS-9055,8571 |                      |  |
| 11.4 | i.  | <b>Modification/ Trail (if any):</b>          |   |                |           |                   | NIL             |                  |                   |                      |  |
|      | ii.   | <b>Deviations (if any):</b>                   |   |                |           |                   | NIL             |                  |                   |                      |  |

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|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5412</b>                           | DISPATCH DATE:             |  |                     | <b>22.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15428</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>HEPL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORT</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PL</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL TECH, RAIL FAB</b>   |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            | <b>NIL</b>   |                     |                     |
|       | 10.2  | Deviations (if any):                  |                            | <b>NIL</b>   |                     |                     |



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|------|--|---|-----------|-----------|-------------------|---------------|-------------------|-----------|-----------|
| 11.  | Bogie Details:   | Shell No.                               | Railway   | Type      | Coach No.         | Dispatch Date |                   |           |           |
|      |  | 5412                                    | NE        | GS        | 15428             | 19-12-2015    |                   |           |           |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |           |           |                   |               |                   |           |           |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |           |           |                   | NPP Side      |                   |           |           |
|      | i. Bogie No.   | 151655                                  |           |           |                   | 151653        |                   |           |           |
|      | ii. Frame No.  | ASR-877                                 |           |           |                   | ASR-762       |                   |           |           |
|      | iii. Axle No.  | J-8896                                  |           | K-4686    |                   | J-3219        |                   | J-3072    |           |
|      | iv. Wheel Diameter                                     | 917.00                                  | 917.00    | 915.50    | 915.50            | 917.00        | 917.00            | 916.00    | 916.00    |
|      | v. Wheel Disc No.                                      | 16677/354                               | 16680/389 | 10291/285 | 06497/285         | 16242/225     | 16226/251         | 16768/388 | 16767/271 |
|      | vi. R.B. Nos.  | S1070                                   | S1011     | H0874     | H0887             | S0974         | S1106             | Q2639     | Q2756     |
|      | vii. R.B. Make   | FAG                                     |           | 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.               |           |           | ASSOCIATE-858,835 |               | ATOOL-952,876     |           |           |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |           |           | ESCORTS-9046,8901 |               | ESCORTS-0468,8904 |           |           |
| 11.4 | 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:   | <b>5377</b>                           | DISPATCH DATE:             |  |                     | <b>25.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15436</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>JLS, HEPL</b>   |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>86/87</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>AMIT</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>ABC, AGF, MECIDON</b>   |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>NA</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>ORIENTAL</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            | <b>NIL</b>   |                     |                     |
|       | 10.2  | Deviations (if any):                  |                            | <b>NIL</b>   |                     |                     |



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|------|---|---|---|----------------|-----------|-------------------|-----------------|------------------|-------------------|----------------------|--|
| 11.  | <b>Bogie Details:</b>   | <b>Shell No.</b>                              |   | <b>Railway</b> |           | <b>Type</b>       |                 | <b>Coach No.</b> |                   | <b>Dispatch Date</b> |  |
|      |   | 5377  |   | NE             |           | GS                |                 | 15436            |                   | 24-11-2015           |  |
| 11.1 | <b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b> |   |   |                |           |                   |                 |                  |                   |                      |  |
| 11.2 | <b>Wheel &amp; Axle Details:</b>                              | <b>PP Side</b>                                |   |                |           |                   | <b>NPP Side</b> |                  |                   |                      |  |
|      | i.  | <b>Bogie No.</b>                              | 151515                                  |                |           |                   |                 | 151512           |                   |                      |  |
|      | ii.   | <b>Frame No.</b>                              | ASR-808                                 |                |           |                   |                 | ASR-817          |                   |                      |  |
|      | iii.  | <b>Axle No.</b>                               | J-8883                                  |                | H-0070    |                   | G-9857          |                  | K-5115            |                      |  |
|      | iv.   | <b>Wheel Diameter</b>                         | 916.50                                  | 916.00         | 915.00    | 915.00            | 916.00          | 916.00           | 916.00            | 916.00               |  |
|      | v.  | <b>Wheel Disc No.</b>                         | 06973/272                               | 06977/248      | 16287/251 | 11974/269         | 06963/378       | 06873/270        | 06378/221         | 10266/239            |  |
|      | vi.   | <b>R.B. Nos.</b>                              | H0877                                   | H0905          | H0936     | H0961             | H1215           | H0868            | H0896             | H0894                |  |
|      | vii.  | <b>R.B. Make</b>                              | NBC                                     |                | NBC       |                   | NBC             |                  | NBC               |                      |  |
|      | viii.   | <b>R.B. Type</b>                              | Direct Mounted Spherical Roller Bearing |                |           |                   |                 |                  |                   |                      |  |
| 11.3 | <b>Items Traceability:</b>                                    |   |   |                |           | <b>PP SIDE</b>    |                 |                  | <b>NPP SIDE</b>   |                      |  |
|      | i.  | <b>BRAKE CYLINDER Make &amp; NO.</b>          |   |                |           | PEW-E11757,E5946  |                 |                  | PEW-E12226,E11684 |                      |  |
|      | ii.   | <b>SECONDARY Shock Absorber Make &amp;NO.</b> |   |                |           | ESCORTS-8706,8646 |                 |                  | ESCORTS-8705,8707 |                      |  |
| 11.4 | i.  | <b>Modification/ Trail (if any):</b>          |   |                |           | NIL               |                 |                  |                   |                      |  |
|      | ii.   | <b>Deviations (if any):</b>                   |   |                |           | NIL               |                 |                  |                   |                      |  |

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|       |   |                                       |                            |  |                     |                     |
|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5424</b>                           | DISPATCH DATE:             |  |                     | <b>25.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15438</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                   | <b>VIBGYOR</b>   | <b>86/87</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>NARBADA</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PUNJAB LAMINATE</b>   |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL TECH</b>   |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|--|---|-----------|-----------|-------------------|---------------|-----------|-------------------|-----------|
| 11.  | Bogie Details:   | Shell No.                               | Railway   | Type      | Coach No.         | Dispatch Date |           |                   |           |
|      |  | 5424                                    | NER       | GS        | 15438             | 06-01-2016    |           |                   |           |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |           |           |                   |               |           |                   |           |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |           |           |                   | NPP Side      |           |                   |           |
|      | i. Bogie No.   | 160007                                  |           |           |                   | 160006        |           |                   |           |
|      | ii. Frame No.  | ASR-964                                 |           |           |                   | ASR-961       |           |                   |           |
|      | iii. Axle No.  | 06744                                   |           | 06410     |                   | C-1331        |           | 06502             |           |
|      | iv. Wheel Diameter                                     | 916.00                                  | 916.00    | 912.00    | 912.00            | 912.00        | 912.00    | 913.00            | 913.00    |
|      | v. Wheel Disc No.                                      | 16534/379                               | 16536/286 | 00471/204 | 04119/284         | 04148/297     | 97624/231 | 02376/211         | 09150/216 |
|      | vi. R.B. Nos.  | Q0681                                   | V1029     | Q0623     | Q0585             | Q0670         | V1035     | Q0676             | V1042     |
|      | 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-E10063,E9983  |               |           | PEW-E10158,E9943  |           |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |           |           | ESCORTS-0198,0358 |               |           | ESCORTS-0515,0221 |           |
| 11.4 | i.   | Modification/ Trail (if any):           |           |           | NIL               |               |           |                   |           |
|      | ii.  | Deviations (if any):                    |           |           | LESS WHEEL DIA    |               |           |                   |           |

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|       |   |                                       |                            |  |                     |                     |
|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5428</b>                           | DISPATCH DATE:             |  |                     | <b>20.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15434</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                   | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>NARBADA</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PUNJAB LAMINATE</b>   |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>ORIENTAL</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|      |  |   |             |             |             |                 |             |             |                   |  |  |
|------|--|---|-------------|-------------|-------------|-----------------|-------------|-------------|-------------------|--|--|
| 11.  | Bogie Details:   | Shell No.                               | Railway     |             | Type        |                 | Coach No.   |             | Dispatch Date     |  |  |
|      |  | 5428                                    | NER         |             | GS          |                 | 15434       |             | 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.   | 160027                                  |             |             |             | 160015          |             |             |                   |  |  |
|      | ii. Frame No.  | ASR-993                                 |             |             |             | ASR-946         |             |             |                   |  |  |
|      | iii. Axle No.  | J-9008                                  |             | J-2762      |             | K-8452          |             | 06506       |                   |  |  |
|      | iv. Wheel Diameter                                     | 916.00                                  | 916.00      | 915.00      | 915.00      | 915.00          | 915.00      | 916.00      | 916.00            |  |  |
|      | v. Wheel Disc No.                                      | 47491/09658                             | 47668/09724 | 49078/10177 | 49457/10315 | 47482/09658     | 47493/09658 | 50113/10518 | 47995/09986       |  |  |
|      | vi. R.B. Nos.  | S1029                                   | S1107       | Q0707       | Q0645       | S1093           | S1090       | Q3372       | Y1251             |  |  |
|      | 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-E9996,E9985 |             |             | ATOOL-914,949     |  |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |             |             |             | K/B-02871,02868 |             |             | ESCORTS-0238,0364 |  |  |
| 11.4 | 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:   | 5434  | DISPATCH DATE:   |                     |            | 27.01.2016 |
| 2.    | RAILWAY   | NER   | Type:  | GS                  | Coach No.: | 15437      |
| 3.    | Booked to   | SSE/C&W/CPR                                       |  |                     |            |            |
| 4.    | Tare Weight of Coach :                                | 36.99T  |  |                     |            |            |
| 5.    | Carrying Capacity :                                   | Seating: 90                                       | Sleeping: NIL  | 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)<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 |   | 200 mm   |                     |            |            |
| 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/cm <sup>2</sup> 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/cm <sup>2</sup> | Less than 20 Sec (for BMBC type)<br>15 to 20 Sec (for Non BMBC type) |                     |            |            |
| 7.2   | Insensitivity   | BP dipped @ 0.30 Kg/cm <sup>2</sup> n 60 sec      | No brake application   |                     |            |            |
| 7.3   | Sensitivity   | BP dipped @ 0.60 Kg/cm <sup>2</sup> 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:                     |   |  |                     |            |            |
| i.    | BRAKE EQUIPMENT                                       |   | Make<br>ESCORTS  |                     |            |            |
| ii.   | SEAT & BERTH  |   | SAVITRI  |                     |            |            |
| iii.  | WATER TANKS   |   | RUBICONE   |                     |            |            |
| iv.   | PVC   |   | RESPONSIVE   |                     |            |            |
| v.    | FLOOR BOARD   |   | NARBADA  |                     |            |            |
| vi.   | WINDOWS   |   | AGF, MECIDON   |                     |            |            |
| vii.  | LAV. DOORS  |   | TWPL   |                     |            |            |
| viii. | LP SHEET  |   | PUNJAB LAMINATE  |                     |            |            |
| 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 |                   |           |           |           |
|      |  | 5434                               | NER                                     | GS        | 15437             | 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.                          | 151694                                  |           |                   |               | 160024            |           |           |           |
|      | ii.  | Frame No.                          | ASR-595                                 |           |                   |               | ASR-864           |           |           |           |
|      | iii.   | Axle No.                           | 06816                                   | J-3323    |                   | 06503         |                   | J-4430    |           |           |
|      | iv.  | Wheel Diameter                     | 916.50                                  | 916.00    | 915.50            | 915.00        | 910.00            | 910.00    | 910.00    | 910.00    |
|      | v.   | Wheel Disc No.                     | 16682/391                               | 16736/392 | 14186/238         | 06973/295     | 02233/373         | 00543/280 | 10292/236 | 07060/267 |
|      | vi.  | R.B. Nos.                          | V1014                                   | V1005     | G1510             | G1512         | Q0683             | V1036     | H0901     | H0917     |
|      | vii.   | R.B. Make                          | FAG                                     |           | NBC               |               | FAG               |           | NBC       |           |
|      | viii.  | R.B. Type                          | Direct Mounted Spherical Roller Bearing |           |                   |               |                   |           |           |           |
| 11.3 | <u>Items Traceability:</u>                             |                                    |   |           | PP SIDE           |               | NPP SIDE          |           |           |           |
|      | i.   | BRAKE CYLINDER Make & NO.          |   |           | ASSOCIATE-921,928 |               | PEW-10002,9949    |           |           |           |
|      | ii.  | SECONDARY Shock Absorber Make &NO. |   |           | ESCORTS-210,197   |               | ESCORTS-0561,0560 |           |           |           |
| 11.4 | i.   | Modification/ Trail (if any):      |   |           | NIL               |               |                   |           |           |           |
|      | ii.  | Deviations (if any):               |   |           | LESS WHEEL DIA    |               |                   |           |           |           |

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|       |   |                                       |                            |  |                     |                     |
|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5415</b>                           | DISPATCH DATE:             |  |                     | <b>15.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15430</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PUNJAB LAMINATE</b>   |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL TECH, RAIL FAB</b>   |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|---|---|---|----------------|---------------|-------------------|-----------------|------------------|-------------------|----------------------|--|
| 11.  | <b>Bogie Details:</b>   | <b>Shell No.</b>                              |   | <b>Railway</b> |               | <b>Type</b>       |                 | <b>Coach No.</b> |                   | <b>Dispatch Date</b> |  |
|      |   | 5415  |   | NE             |               | GS                |                 | 15430            |                   | 21-12-2015           |  |
| 11.1 | <b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b> |   |   |                |               |                   |                 |                  |                   |                      |  |
| 11.2 | <b>Wheel &amp; Axle Details:</b>                              |   | <b>PP Side</b>                          |                |               |                   | <b>NPP Side</b> |                  |                   |                      |  |
|      | i.  | <b>Bogie No.</b>                              | 151662                                  |                |               |                   | 151660          |                  |                   |                      |  |
|      | ii.   | <b>Frame No.</b>                              | ASR-811                                 |                |               |                   | ASR-935         |                  |                   |                      |  |
|      | iii.  | <b>Axle No.</b>                               | J-2768                                  |                | 2198          |                   | K-5252          |                  | J-2722            |                      |  |
|      | iv.   | <b>Wheel Diameter</b>                         | 917.00                                  | 917.00         | 916.00        | 916.00            | 916.50          | 916.50           | 915.00            | 915.00               |  |
|      | v.  | <b>Wheel Disc No.</b>                         | 16672/<br>387                           | 15482/<br>398  | 16406/<br>244 | 16762/<br>392     | 16750/<br>267   | 16433/<br>241    | 16246/<br>242     | 16242/20<br>4        |  |
|      | vi.   | <b>R.B. Nos.</b>                              | S1066                                   | S1068          | Q2667         | Q2648             | Q2762           | Q2766            | Q2666             | Q2770                |  |
|      | vii.  | <b>R.B. Make</b>                              | FAG                                     |                | FAG           |                   | FAG             |                  | FAG               |                      |  |
|      | viii.   | <b>R.B. Type</b>                              | Direct Mounted Spherical Roller Bearing |                |               |                   |                 |                  |                   |                      |  |
| 11.3 | <b>Items Traceability:</b>                                    |   |   |                |               | <b>PP SIDE</b>    |                 |                  | <b>NPP SIDE</b>   |                      |  |
|      | i.  | <b>BRAKE CYLINDER Make &amp; NO.</b>          |   |                |               | ATOOL-897,840     |                 |                  | PEW-NIL,9861      |                      |  |
|      | ii.   | <b>SECONDARY Shock Absorber Make &amp;NO.</b> |   |                |               | ESCORTS-0504,8863 |                 |                  | ESCORTS-0403,0915 |                      |  |
| 11.4 | i.  | <b>Modification/ Trail (if any):</b>          |   |                |               | NIL               |                 |                  |                   |                      |  |
|      | ii.   | <b>Deviations (if any):</b>                   |   |                |               | NIL               |                 |                  |                   |                      |  |

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**ROLLING STOCK CERTIFICATE**

Form No. :

QMF4254;  
Version: 05

|     |                                   |   |  |  |                     |                     |
|-----|-----------------------------------|---|--|--|---------------------|---------------------|
| 1.  | SHELL No:                         | <b>5413</b>   | DISPATCH DATE:                                     |  |                     | <b>16.01.2016</b>   |
| 2.  | RAILWAY                           | <b>NER</b>  | Type:  | <b>GS</b>  | Coach No.:          | <b>15431</b>        |
| 3.  | Booked to                         | <b>SSE/C&amp;W/CPR</b>                                |  |  |                     |                     |
| 4.  | Tare Weight of Coach :            | <b>36.99T</b>   |  |  |                     |                     |
| 5.  | Carrying Capacity :               | Seating:  | 90   | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 | 200 mm   |  |                     |                     |
|     | vii)                              | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm                        | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
|     | viii)                             | Buffer/CBC (Make )                                    | <b>ATUL</b>  |  |                     |                     |
|     | ix)                               | Draw Gear (Make)                                      | <b>EMSON</b>                                       |  |                     |                     |
| 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   | <b>VIBGYOR</b>   | <b>85/85</b>        |                     |
|     | 8.2                               | APPLICATION OF PCN-123                                | <b>SATISFACTORY</b>                                |  |                     |                     |
|     | 8.3                               | INSUALTION  | <b>SATISFACTORY</b>                                |  |                     |                     |
| 9.  | Traceability of Furnishing Items: |   |  |  |                     |                     |
|     | i.                                | BRAKE EQUIPMENT                                       | Make<br><b>ESCORTS</b>                             |  |                     |                     |
|     | ii.                               | SEAT & BERTH  | <b>SAVITRI</b>                                     |  |                     |                     |
|     | iii.                              | WATER TANKS   | <b>RUBICONE</b>                                    |  |                     |                     |
|     | iv.                               | PVC   | <b>RESPONSIVE</b>                                  |  |                     |                     |
|     | v.                                | FLOOR BOARD   | <b>TAYAL</b>                                       |  |                     |                     |
|     | vi.                               | WINDOWS   | <b>AGF, MECIDON</b>                                |  |                     |                     |
|     | vii.                              | LAV. DOORS  | <b>TWPL</b>  |  |                     |                     |
|     | viii.                             | LP SHEET  | <b>PUNJAB LAMINATE</b>                             |  |                     |                     |
|     | ix)                               | BIO- TOILET   | <b>RAIL TECH, RAIL FAB</b>                         |  |                     |                     |
| 10. | 10.1                              | Modification/ Trial (if any):                         | <b>NIL</b>   |  |                     |                     |
|     | 10.2                              | Deviations (if any):                                  | <b>NIL</b>   |  |                     |                     |



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|------|---|---|---|----------------|---------------|-------------------|-----------------|------------------|-------------------|----------------------|--|
| 11.  | <b>Bogie Details:</b>   | <b>Shell No.</b>                              |   | <b>Railway</b> |               | <b>Type</b>       |                 | <b>Coach No.</b> |                   | <b>Dispatch Date</b> |  |
|      |   | 5413  |   | NER            |               | GS                |                 | 15431            |                   | 21-12-2015           |  |
| 11.1 | <b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b> |   |   |                |               |                   |                 |                  |                   |                      |  |
| 11.2 | <b>Wheel &amp; Axle Details:</b>                              |   | <b>PP Side</b>                          |                |               |                   | <b>NPP Side</b> |                  |                   |                      |  |
|      | i.  | <b>Bogie No.</b>                              | 151649                                  |                |               |                   | 151648          |                  |                   |                      |  |
|      | ii.   | <b>Frame No.</b>                              | ASR-942                                 |                |               |                   | ASR-886         |                  |                   |                      |  |
|      | iii.  | <b>Axle No.</b>                               | 1993                                    |                | 2184          |                   | J-2871          |                  | G-9927            |                      |  |
|      | iv.   | <b>Wheel Diameter</b>                         | 917.00                                  | 917.00         | 916.50        | 916.00            | 916.50          | 916.00           | 916.00            | 916.00               |  |
|      | v.  | <b>Wheel Disc No.</b>                         | 07318/<br>225                           | 05987/<br>206  | 16699/<br>398 | 16471/<br>398     | 16683/<br>321   | 16671/<br>398    | 06832/<br>251     | 10747/25<br>9        |  |
|      | vi.   | <b>R.B. Nos.</b>                              | U2632                                   | U2583          | S1067         | S1061             | S1084           | S1069            | S1024             | S1077                |  |
|      | vii.  | <b>R.B. Make</b>                              | FAG                                     |                | FAG           |                   | FAG             |                  | FAG               |                      |  |
|      | viii.   | <b>R.B. Type</b>                              | Direct Mounted Spherical Roller Bearing |                |               |                   |                 |                  |                   |                      |  |
| 11.3 | <b>Items Traceability:</b>                                    |   |   |                |               | <b>PP SIDE</b>    |                 |                  | <b>NPP SIDE</b>   |                      |  |
|      | i.  | <b>BRAKE CYLINDER Make &amp; NO.</b>          |   |                |               | ATOOL-926,837     |                 |                  | PEW-E10003,E9924  |                      |  |
|      | ii.   | <b>SECONDARY Shock Absorber Make &amp;NO.</b> |   |                |               | ESCORTS-0324,0323 |                 |                  | ESCORTS-0501,0500 |                      |  |
| 11.4 | i.  | <b>Modification/ Trail (if any):</b>          |   |                |               |                   | NIL             |                  |                   |                      |  |
|      | ii.   | <b>Deviations (if any):</b>                   |   |                |               |                   | NIL             |                  |                   |                      |  |

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|     |                                   |   |  |  |                     |            |     |
|-----|-----------------------------------|---|--|--|---------------------|------------|-----|
| 1.  | SHELL No:                         | 5431  | DISPATCH DATE:                                     |  |                     | 18.01.2016 |     |
| 2.  | RAILWAY                           | NER   | Type:  | GS   | Coach No.:          | 15429      |     |
| 3.  | Booked to                         | SSE/C&W/CPR   |  |  |                     |            |     |
| 4.  | Tare Weight of Coach :            | 36.99T  |  |  |                     |            |     |
| 5.  | Carrying Capacity :               | Seating:  | 90   | Sleeping:  | NIL                 | 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)<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 | 200 mm   |  |                     |            |     |
|     | 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)<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  | 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   | RUBICONE   |  |                     |            |     |
|     | iv.                               | PVC   | RESPONSIVE   |  |                     |            |     |
|     | v.                                | FLOOR BOARD   | TAYAL  |  |                     |            |     |
|     | vi.                               | WINDOWS   | AGF, MECIDON                                       |  |                     |            |     |
|     | vii.                              | LAV. DOORS  | TWPL   |  |                     |            |     |
|     | viii.                             | LP SHEET  | PUNJAB LAMINATE                                    |  |                     |            |     |
|     | 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     |             |  |  |
|      |  | 5431                                    | NER         |             | GS          | 15429             |             | 30-12-2015        |             |  |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |             |             |             |                   |             |                   |             |  |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |             |             |             | NPP Side          |             |                   |             |  |  |
|      | i. Bogie No.   | 151673                                  |             |             |             | 151690            |             |                   |             |  |  |
|      | ii. Frame No.  | UBLS-1782                               |             |             |             | ASR-922           |             |                   |             |  |  |
|      | iii. Axle No.  | 6098                                    |             | J-3204      |             | G-9968            |             | C-1449            |             |  |  |
|      | iv. Wheel Diameter                                     | 916.00                                  | 916.00      | 916.00      | 916.00      | 915.00            | 915.00      | 916.00            | 916.00      |  |  |
|      | v. Wheel Disc No.                                      | 50117/10518                             | 49558/10345 | 44179/02577 | 47642/09724 | 44132/02577       | 44254/02577 | 50144/10518       | 49049/10177 |  |  |
|      | vi. R.B. Nos.  | V1168                                   | V1217       | V1353       | V1337       | Q0460             | Q0490       | Q0461             | Q0458       |  |  |
|      | 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-10016,10037   |             | ASSOCIATE-905,902 |             |  |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |             |             |             | ESCORTS-0130,0280 |             | ESCORTS-0240,0202 |             |  |  |
| 11.4 | 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:   | <b>5420</b>                           | DISPATCH DATE: |  |                     | <b>22.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:          | <b>GS</b>  | Coach No.:          | <b>15425</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | 90             | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                | <b>CFPL</b>  |                     |                     |
| 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                              |                | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       |                | <b>SATISFACTORY</b>  |                     |                     |
| 8.3   | INSUALTION  |                                       |                | <b>SATISFACTORY</b>  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                | <b>AMIT, RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                | <b>NK</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                | <b>RAIL TECH</b>   |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                |  | <b>NIL</b>          |                     |



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|------|--|---|-------------|-------------|-------------------|---------------|-------------------|-------------|-------------|--|
| 11.  | Bogie Details:   | Shell No.                               | Railway     | Type        | Coach No.         | Dispatch Date |                   |             |             |  |
|      |  | 5420                                    | NER         | GS          | 15425             | 30-12-2015    |                   |             |             |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |             |             |                   |               |                   |             |             |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |             |             |                   | NPP Side      |                   |             |             |  |
|      | i. Bogie No.   | 151678                                  |             |             |                   | 151341        |                   |             |             |  |
|      | ii. Frame No.  | RBO-1810                                |             |             |                   | UBLS-1626     |                   |             |             |  |
|      | iii. Axle No.  | J-2988                                  |             | J-3224      |                   | J-3257        |                   | H-0172      |             |  |
|      | iv. Wheel Diameter                                     | 915.00                                  | 915.00      | 915.50      | 915.50            | 915.00        | 915.00            | 915.50      | 915.50      |  |
|      | v. Wheel Disc No.                                      | 42290/08697                             | 42232/08697 | 47665/09724 | 44126/02577       | 17608/17419   | 17577/17419       | 17630/17419 | 17689/17419 |  |
|      | vi. R.B. Nos.  | S1439                                   | S1460       | V1191       | V1220             | F0857         | F1171             | H1243       | H1249       |  |
|      | vii. R.B. Make   | FAG                                     |             | FAG         |                   | NBC           |                   | NBC         |             |  |
|      | viii. R.B. Type  | Direct Mounted Spherical Roller Bearing |             |             |                   |               |                   |             |             |  |
| 11.3 | <u>Items Traceability:</u>                             |   |             |             | PP SIDE           |               | NPP SIDE          |             |             |  |
|      | i.   | BRAKE CYLINDER Make & NO.               |             |             | ATOOL-847,849     |               | PEW-F028,F054     |             |             |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |             |             | ESCORTS-0334,0445 |               | ESCORTS-8774,8636 |             |             |  |
| 11.4 | 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:   | <b>5362</b>                           | DISPATCH DATE:             |  |                     | <b>20.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15435</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                   | <b>VIBGYOR</b>   | <b>85/85</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PUNJAB LAMINATE</b>   |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>AMIT</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|      |  |                                    |   |           |           |                   |           |           |                   |               |  |
|------|--|------------------------------------|---|-----------|-----------|-------------------|-----------|-----------|-------------------|---------------|--|
| 11.  | Bogie Details:   | Shell No.                          |   | Railway   |           | Type              |           | Coach No. |                   | Dispatch Date |  |
|      |  | 5362                               |   | SR        |           | GS                |           | 15435     |                   | 21-11-2015    |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |                                    |   |           |           |                   |           |           |                   |               |  |
| 11.2 | Wheel & Axle Details:                                  |                                    | PP Side                                 |           |           |                   | NPP Side  |           |                   |               |  |
|      | i.   | Bogie No.                          | 151503                                  |           |           |                   | 151505    |           |                   |               |  |
|      | ii.  | Frame No.                          | UBLS-1744                               |           |           |                   | ASR-841   |           |                   |               |  |
|      | iii.   | Axle No.                           | J-8717                                  |           | J-3126    |                   | J-8762    |           | K-5514            |               |  |
|      | iv.  | Wheel Diameter                     | 916.00                                  | 916.00    | 916.00    | 916.00            | 916.00    | 916.00    | 916.00            | 916.00        |  |
|      | v.   | Wheel Disc No.                     | 06983/374                               | 05806/376 | 06959/279 | 05944/276         | 06325/370 | 06392/272 | 06296/272         | 06973/243     |  |
|      | vi.  | R.B. Nos.                          | H0921                                   | G-1427    | H0943     | H0923             | H0928     | H0950     | G1495             | G1515         |  |
|      | vii.   | R.B. Make                          | NBC                                     |           | NBC       |                   | NBC       |           | NBC               |               |  |
|      | 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-10085,11384   |           |           | PEW-13459,14704   |               |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO. |   |           |           | ESCORTS-8925,9071 |           |           | ESCORTS-4592,8913 |               |  |
| 11.4 | 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:   | <b>5403</b>                           | DISPATCH DATE:             |  |                     | <b>01.02.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15419</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1100/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>HEPL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>ADVANCE</b>   | <b>85/85</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>FAIVELEY</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>AMIT, RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>ABC, AGF, MECIDON</b>   |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>LP</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>ORIENTAL</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|      |  |                                    |   |           |           |           |                   |           |                   |           |  |
|------|--|------------------------------------|---|-----------|-----------|-----------|-------------------|-----------|-------------------|-----------|--|
| 11.  | Bogie Details:   | Shell No.                          | Railway                                 |           | Type      | Coach No. | Dispatch Date     |           |                   |           |  |
|      |  | 5403                               | NE                                      |           | GS        | 15419     | 15-12-2015        |           |                   |           |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |                                    |   |           |           |           |                   |           |                   |           |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                            |   |           |           |           | NPP Side          |           |                   |           |  |
|      | i.   | Bogie No.                          | 151622                                  |           |           |           |                   | 151625    |                   |           |  |
|      | ii.  | Frame No.                          | ASR-903                                 |           |           |           |                   | ASR-767   |                   |           |  |
|      | iii.   | Axle No.                           | K-4553                                  |           | K-8561    |           | K-6891            |           | J-9010            |           |  |
|      | iv.  | Wheel Diameter                     | 916.00                                  | 916.00    | 916.00    | 916.00    | 917.00            | 917.00    | 916.00            | 916.00    |  |
|      | v.   | Wheel Disc No.                     | 16468/312                               | 16932/221 | 16479/224 | 16432/229 | 63759/251         | 95562/248 | 16411/218         | 16506/379 |  |
|      | vi.  | R.B. Nos.                          | S0767                                   | S0750     | S0693     | S0692     | G1230             | G1207     | S0548             | U2087     |  |
|      | vii.   | R.B. Make                          | FAG                                     |           | FAG       |           | NBC               |           | 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-11539,10102   |           | PEW-11646,AJT-851 |           |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO. |   |           |           |           | ESCORTS-0321,8847 |           | ESCORTS-576,487   |           |  |
| 11.4 | i.   | Modification/ Trail (if any):      |   |           |           |           | NIL               |           |                   |           |  |
|      | ii.  | Deviations (if any):               |   |           |           |           | NIL               |           |                   |           |  |

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ROLLING STOCK CERTIFICATE

Form No. :

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Version: 05

|       |   |                                       |                            |  |                     |                     |
|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5408</b>                           | DISPATCH DATE:             |  |                     | <b>14.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15427</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1102/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>HEPL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>ADVANCE</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORT</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>ABC, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PL</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL FAB</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            | <b>NIL</b>   |                     |                     |
|       | 10.2  | Deviations (if any):                  |                            | <b>NIL</b>   |                     |                     |



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|      |  |   |           |           |                 |           |                   |               |           |  |
|------|--|---|-----------|-----------|-----------------|-----------|-------------------|---------------|-----------|--|
| 11.  | Bogie Details:   | Shell No.                               | Railway   |           | Type            | Coach No. |                   | Dispatch Date |           |  |
|      |  | 5408                                    | NE        |           | GS              | 15427     |                   | 17-12-2015    |           |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |           |           |                 |           |                   |               |           |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |           |           |                 | NPP Side  |                   |               |           |  |
|      | i. Bogie No.   | 151636                                  |           |           |                 | 151630    |                   |               |           |  |
|      | ii. Frame No.  | ASR-772                                 |           |           |                 | ASR-867   |                   |               |           |  |
|      | iii. Axle No.  | H-0061                                  |           | J-9058    |                 | 1970      |                   | J-3110        |           |  |
|      | iv. Wheel Diameter                                     | 916.00                                  | 916.00    | 917.00    | 917.00          | 915.50    | 915.00            | 916.00        | 916.00    |  |
|      | v. Wheel Disc No.                                      | 16364/325                               | 16413/272 | 16429/326 | 16502/226       | 13726/390 | 13813/269         | 16471/235     | 16464/214 |  |
|      | vi. R.B. Nos.  | Q2745                                   | Q2734     | U-2727    | U2725           | U2093     | U2104             | S0759         | S0760     |  |
|      | 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-845,890     |           | PEW-E1162,E11701  |               |           |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |           |           | ESCORTS-554,489 |           | ESCORTS-0552,8875 |               |           |  |
| 11.4 | 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:   | <b>5409</b>                           | DISPATCH DATE:             |  |                     | <b>11.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15422</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>HEPL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORT</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>LP</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL TECH , RAIL FAB</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|      |  |   |           |           |           |                   |           |                   |           |  |  |
|------|--|---|-----------|-----------|-----------|-------------------|-----------|-------------------|-----------|--|--|
| 11.  | Bogie Details:   | Shell No.                               | Railway   |           | Type      | Coach No.         |           | Dispatch Date     |           |  |  |
|      |  | 5409                                    | NE        |           | GS        | 15422             |           | 22-12-2015        |           |  |  |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |           |           |           |                   |           |                   |           |  |  |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |           |           |           | NPP Side          |           |                   |           |  |  |
|      | i. Bogie No.   | 151663                                  |           |           |           | 151652            |           |                   |           |  |  |
|      | ii. Frame No.  | ASR-944                                 |           |           |           | ASR-921           |           |                   |           |  |  |
|      | iii. Axle No.  | K-8683                                  |           | J-3280    |           | J-3120            |           | G-9916            |           |  |  |
|      | iv. Wheel Diameter                                     | 916.00                                  | 916.50    | 916.50    | 916.00    | 915.50            | 915.00    | 917.00            | 917.00    |  |  |
|      | v. Wheel Disc No.                                      | 16670/238                               | 16739/206 | 16769/311 | 15453/281 | 16232/259         | 16765/311 | 16695/330         | 16769/332 |  |  |
|      | vi. R.B. Nos.  | S1078                                   | S0966     | Q2760     | Q2767     | S1012             | S1102     | S1038             | S1085     |  |  |
|      | 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-E11668,E9971  |           | ATOOL-933,849     |           |  |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |           |           |           | ESCORTS-0136,0169 |           | ESCORTS-0482,0497 |           |  |  |
| 11.4 | i.   | Modification/ Trail (if any):           |           |           |           | NIL               |           |                   |           |  |  |
|      | ii.  | Deviations (if any):                    |           |           |           | NIL               |           |                   |           |  |  |

GS-5409





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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|       |   |                                       |                            |  |                     |                     |
|-------|---|---------------------------------------|----------------------------|--|---------------------|---------------------|
| 1.    | SHELL No:   | <b>5419</b>                           | DISPATCH DATE:             |  |                     | <b>10.02.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15424</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORTS</b>   |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>AMIT, RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>LP</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>RAIL TECH</b>   |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|--|---|-------------|-------------|-------------------|---------------|-------------------|-------------|-------------|
| 11.  | Bogie Details:   | Shell No.                               | Railway     | Type        | Coach No.         | Dispatch Date |                   |             |             |
|      |  | 5419                                    | NE          | GS          | 15424             | 28-12-2015    |                   |             |             |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |             |             |                   |               |                   |             |             |
| 11.2 | Wheel & Axle Details:                                  | PP Side                                 |             |             |                   | NPP Side      |                   |             |             |
|      | i. Bogie No.   | 151680                                  |             |             |                   | 151677        |                   |             |             |
|      | ii. Frame No.  | ASR-955                                 |             |             |                   | RBO-1780      |                   |             |             |
|      | iii. Axle No.  | 06230                                   |             | K-5623      |                   | G-9975        |                   | J-2779      |             |
|      | iv. Wheel Diameter                                     | 915.50                                  | 915.00      | 915.00      | 915.00            | 915.50        | 915.00            | 915.00      | 915.00      |
|      | v. Wheel Disc No.                                      | 10345/49582                             | 49583/10345 | 47563/09658 | 47534/09658       | 44715/09163   | 47784/09777       | 44159/02577 | 44180/02577 |
|      | vi. R.B. Nos.  | S1160                                   | S1157       | S1097       | S1429             | V1266         | V1269             | V1229       | V1214       |
|      | 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.               |             |             | ATOOL-832,872     |               | PEW-E9964,E9965   |             |             |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |             |             | ESCORTS-0374,0340 |               | ESCORTS-0170,0451 |             |             |
| 11.4 | 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:   | 5423                                  | DISPATCH DATE:             |  |                     | 19.01.2016   |
| 2.    | RAILWAY   | NER                                   | Type:                      | GS   | Coach No.:          | 15433        |
| 3.    | Booked to   | SSE/C&W/CPR                           |                            |  |                     |              |
| 4.    | Tare Weight of Coach :                                | 36.99T                                |                            |  |                     |              |
| 5.    | Carrying Capacity :                                   | Seating:                              | 90                         | Sleeping:  | NIL                 | 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)<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 |                                       |                            | 200 mm   |                     |              |
| 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)<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  | 86/87               |              |
| 8.2   | APPLICATION OF PCN-123                                |                                       | SATISFACTORY               |  |                     |              |
| 8.3   | INSUALTION  |                                       | SATISFACTORY               |  |                     |              |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |              |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | ESCORT   |                     |              |
| ii.   | SEAT & BERTH  |                                       |                            | SAVITRI  |                     |              |
| iii.  | WATER TANKS   |                                       |                            | RUBICONE   |                     |              |
| iv.   | PVC   |                                       |                            | RESPONSIVE   |                     |              |
| v.    | FLOOR BOARD   |                                       |                            | TAYAL  |                     |              |
| vi.   | WINDOWS   |                                       |                            | AGF, MECIDON   |                     |              |
| vii.  | LAV. DOORS  |                                       |                            | TWPL   |                     |              |
| 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   |  |  |
|      |  | 5423                                    | NER         |             | GS          |                 | 15433       |             | 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.   | 160031                                  |             |             |             | 160029          |             |             |                 |  |  |
|      | ii. Frame No.  | ASR-989                                 |             |             |             | ASR-555         |             |             |                 |  |  |
|      | iii. Axle No.  | 06250                                   |             | K-8870      |             | J-2794          |             | 06229       |                 |  |  |
|      | iv. Wheel Diameter                                     | 916.50                                  | 916.50      | 915.00      | 915.00      | 915.00          | 915.00      | 918.00      | 918.00          |  |  |
|      | v. Wheel Disc No.                                      | 42264/08697                             | 14816/09176 | 47727/09784 | 49021/10177 | 47580/09658     | 47732/09724 | 47507/09658 | 42319/08697     |  |  |
|      | vi. R.B. Nos.  | Q3320                                   | Q3329       | Q0304       | Q0303       | T0171           | T0226       | Q3323       | Q3335           |  |  |
|      | 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-9974,9977   |             |             | PEW-10053,10017 |  |  |
|      | ii.  | SECONDARY Shock Absorber Make &NO.      |             |             |             | K/B-02927,00681 |             |             | K/B-02908,99909 |  |  |
| 11.4 | 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:   | <b>5433</b>                           | DISPATCH DATE:             |  |                     | <b>10.01.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15432</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>ATUL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                              |                            | <b>VIBGYOR</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>ESCORT</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>SAVITRI</b>   |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>AGF, MECIDON</b>  |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PL</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>ORIENTAL</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|--|------------------------------------|---|-----------------|-------------------|-----------------|------------------|-----------------|-----------------|
| 11.  | Bogie Details:   | Shell No.                          | Railway                                 |                 | Type              |                 | Coach No.        |                 | Dispatch Date   |
|      |  | 5433                               | NE                                      |                 | GS                |                 | 15432            |                 | 06-01-2016      |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |                                    |   |                 |                   |                 |                  |                 |                 |
| 11.2 | Wheel & Axle Details:                                  | PP Side                            |   |                 |                   | NPP Side        |                  |                 |                 |
|      | i. Bogie No.   | 160009                             |   |                 |                   | 160008          |                  |                 |                 |
|      | ii. Frame No.  | ASR-968                            |   |                 |                   | ASR-945         |                  |                 |                 |
|      | iii. Axle No.  | 06226                              |   | 06416           |                   | 06208           |                  | 6383            |                 |
|      | iv. Wheel Diameter                                     | 915.00                             | 915.00                                  | 915.00          | 915.00            | 916.00          | 916.00           | 915.50          | 915.00          |
|      | v. Wheel Disc No.                                      | 25754/<br>15383                    | 17661/<br>17419                         | 49430/<br>10315 | 49036/<br>10177   | 50150/<br>10518 | 50145/<br>10518  | 50073/<br>10018 | 50095/10<br>518 |
|      | vi. R.B. Nos.  | S1123                              | Q3359                                   | V1242           | Q3360             | Q3333           | Q3351            | S1133           | S1118           |
|      | vii. R.B. Make   | FAG                                |   | FAG             |                   | FAG             |                  | FAG             |                 |
|      | viii<br>.  | R.B. Type                          | Direct Mounted Spherical Roller Bearing |                 |                   |                 |                  |                 |                 |
| 11.3 | <u>Items Traceability:</u>                             |                                    |   |                 | PP SIDE           |                 | NPP SIDE         |                 |                 |
|      | i.   | BRAKE CYLINDER Make & NO.          |   |                 | PEW-E10060,E10052 |                 | PEW-E9980,E10187 |                 |                 |
|      | ii.  | SECONDARY Shock Absorber Make &NO. |   |                 | ESCORTS-0159,0534 |                 | ESCORTS-0304,507 |                 |                 |
| 11.4 | 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:   | <b>5401</b>                           | DISPATCH DATE:             |  |                     | <b>08.02.2016</b>   |
| 2.    | RAILWAY   | <b>NER</b>                            | Type:                      | <b>GS</b>  | Coach No.:          | <b>15420</b>        |
| 3.    | Booked to   | <b>SSE/C&amp;W/CPR</b>                |                            |  |                     |                     |
| 4.    | Tare Weight of Coach :                                | <b>36.99T</b>                         |                            |  |                     |                     |
| 5.    | Carrying Capacity :                                   | Seating:                              | <b>90</b>                  | Sleeping:  | <b>NIL</b>          | Luggage: <b>NIL</b> |
| 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)<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 |                                       |                            | 200 mm   |                     |                     |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm           |                            | <b>1104/1104</b>   | <b>1104/1104</b>    |                     |
| viii) | Buffer/CBC (Make )                                    |                                       |                            | <b>HEPL</b>  |                     |                     |
| ix)   | Draw Gear (Make)                                      |                                       |                            | <b>EMSON</b>   |                     |                     |
| 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                   | <b>ADVANCE</b>   | <b>85/86</b>        |                     |
| 8.2   | APPLICATION OF PCN-123                                |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 8.3   | INSUALTION  |                                       | <b>SATISFACTORY</b>        |  |                     |                     |
| 9.    | Traceability of Furnishing Items:                     |                                       |                            | Make   |                     |                     |
| i.    | BRAKE EQUIPMENT                                       |                                       |                            | <b>FAIVELEY</b>  |                     |                     |
| ii.   | SEAT & BERTH  |                                       |                            | <b>OVPL</b>  |                     |                     |
| iii.  | WATER TANKS   |                                       |                            | <b>AMIT, RUBICONE</b>  |                     |                     |
| iv.   | PVC   |                                       |                            | <b>RESPONSIVE</b>  |                     |                     |
| v.    | FLOOR BOARD   |                                       |                            | <b>TAYAL</b>   |                     |                     |
| vi.   | WINDOWS   |                                       |                            | <b>ABC, AGF, MECIDON</b>   |                     |                     |
| vii.  | LAV. DOORS  |                                       |                            | <b>TWPL</b>  |                     |                     |
| viii. | LP SHEET  |                                       |                            | <b>PL</b>  |                     |                     |
| ix)   | BIO- TOILET   |                                       |                            | <b>ORIENTAL</b>  |                     |                     |
| 10.   | 10.1  | Modification/ Trial (if any):         |                            |  | <b>NIL</b>          |                     |
|       | 10.2  | Deviations (if any):                  |                            |  | <b>NIL</b>          |                     |



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|------|---|---|---|-----------------|------------------|----------------------|-----------------|-----------------|-----------------|-----------------|
| 11.  | <b>Bogie Details:</b>   | <b>Shell No.</b>                              | <b>Railway</b>                          | <b>Type</b>     | <b>Coach No.</b> | <b>Dispatch Date</b> |                 |                 |                 |                 |
|      |   | 5401  | NE                                      | GS              | 15420            | 16-01-2016           |                 |                 |                 |                 |
| 11.1 | <b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b> |   |   |                 |                  |                      |                 |                 |                 |                 |
| 11.2 | <b>Wheel &amp; Axle Details:</b>                              | <b>PP Side</b>                                |   |                 |                  | <b>NPP Side</b>      |                 |                 |                 |                 |
|      | i.  | <b>Bogie No.</b>                              | 160061                                  |                 |                  |                      | 160064          |                 |                 |                 |
|      | ii.   | <b>Frame No.</b>                              | UBLS-1789                               |                 |                  |                      | UBLS-1778       |                 |                 |                 |
|      | iii.  | <b>Axle No.</b>                               | K-7144                                  |                 | J-2925           |                      | K-8439          |                 | K-7145          |                 |
|      | iv.   | <b>Wheel Diameter</b>                         | 915.00                                  | 915.00          | 915.50           | 915..00              | 915.50          | 915.50          | 915.50          | 915.50          |
|      | v.  | <b>Wheel Disc No.</b>                         | 50136/<br>10518                         | 49351/<br>10278 | 49333/<br>10278  | 53135/<br>11227      | 53218/<br>11227 | 53213/<br>11227 | 53022/<br>11194 | 53021/11<br>194 |
|      | vi.   | <b>R.B. Nos.</b>                              | T0114                                   | T0886           | Q0310            | Q0294                | Q0296           | V1189           | Q0319           | Q0285           |
|      | vii.  | <b>R.B. Make</b>                              | FAG                                     |                 | FAG              |                      | FAG             |                 | FAG             |                 |
|      | viii  | <b>R.B. Type</b>                              | Direct Mounted Spherical Roller Bearing |                 |                  |                      |                 |                 |                 |                 |
| 11.3 | <b>Items Traceability:</b>                                    |   |   |                 | <b>PP SIDE</b>   |                      | <b>NPP SIDE</b> |                 |                 |                 |
|      | i.  | <b>BRAKE CYLINDER Make &amp; NO.</b>          |   |                 |                  | PEW-NIL              |                 | PEW-13352,NIL   |                 |                 |
|      | ii.   | <b>SECONDARY Shock Absorber Make &amp;NO.</b> |   |                 |                  | ESCORTS-0143,8073    |                 | K/B-00388,00392 |                 |                 |
| 11.4 | i.  | <b>Modification/ Trail (if any):</b>          |   |                 |                  | NIL                  |                 |                 |                 |                 |
|      | ii.   | <b>Deviations (if any):</b>                   |   |                 |                  | NIL                  |                 |                 |                 |                 |

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