



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;  
Version: 05

|    |                                   |   |  |  |                     |                   |            |
|----|-----------------------------------|---|--|--|---------------------|-------------------|------------|
| 1. | SHELL No:                         | <b>4184</b>   | DISPATCH DATE:                                     |  |                     | <b>10.02.2015</b> |            |
| 2. | RAILWAY                           | <b>ECR</b>  | Type:  | <b>WGACCN</b>  | Coach No.:          | <b>14116</b>      |            |
| 3. | Booked to                         |   | <b>SSE/C&amp;W/BJU</b>                             |  |                     |                   |            |
| 4. | Tare Weight of Coach :            | <b>52.53 T</b>  |  |  |                     |                   |            |
| 5. | Carrying Capacity :               | Seating:  | 64   | Sleeping:  | 64                  | 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 | 181.5 mm (AE63143)                                 |  |                     |                   |            |
|    | vii)                              | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm                        | <b>1104/1100</b>   | <b>1101/1104</b>    |                   |            |
|    | viii)                             | Buffer/CBC (Make )                                    | <b>JLS</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>85/85</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>OVPL</b>  |                     |                   |            |
|    | iii.                              | WATER TANKS   |  | <b>SHIVALIK, RAIL TECH, RAIL FAB</b>                                 |                     |                   |            |
|    | iv.                               | PVC   |  | <b>RESPONSIVE</b>  |                     |                   |            |
|    | v.                                | FLOOR BOARD   |  | <b>TAYAL</b>   |                     |                   |            |
|    | vi.                               | UIC VESTIBULE   |  | <b>KRP</b>   |                     |                   |            |
|    | vii.                              | LAV. DOORS  |  | <b>DHINJAN</b>   |                     |                   |            |
|    | viii.                             | LP SHEET  |  | <b>LP</b>  |                     |                   |            |
|    | ix)                               | BIO- TOILET   |  | <b>M K PRECISION</b>   |                     |                   |            |
| 10 | 10.1                              | Modification/ Trial (if any):                         |  | <b>NIL</b>   |                     |                   |            |
| .  | 10.2                              | Deviations (if any):                                  |  | <b>NIL</b>   |                     |                   |            |



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|------|---|--|---|----------------|-----------|-------------|-----------------|------------------|-----------|----------------------|--|
| 12.  | <b>Bogie Details:</b>   | <b>Shell No.</b>                       |   | <b>Railway</b> |           | <b>Type</b> |                 | <b>Coach No.</b> |           | <b>Dispatch Date</b> |  |
|      |   | 4184                                   |   | ECR            |           | WGACCN      |                 | 14116            |           | 23-01-2015           |  |
| 12.1 | <b>BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a'</b> |  |   |                |           |             |                 |                  |           |                      |  |
| 12.2 | <b>Wheel &amp; Axle Details:</b>                              | <b>PP Side</b>                         |   |                |           |             | <b>NPP Side</b> |                  |           |                      |  |
|      | i.  | <b>Bogie No.</b>                       | 153034                                  |                |           |             |                 | 153036           |           |                      |  |
|      | ii.   | <b>Frame No.</b>                       | UBLS-4438                               |                |           |             |                 | UBLS-4468        |           |                      |  |
|      | iii.  | <b>Axle No.</b>                        | A-5736                                  |                | 5366      |             | 7474            |                  | A-5559    |                      |  |
|      | iv.   | <b>Wheel Diameter</b>                  | 917.00                                  | 917.00         | 917.00    | 917.00      | 917.00          | 917.00           | 917.00    | 917.00               |  |
|      | v.  | <b>Wheel Disc No.</b>                  | 09150/255                               | 09000/374      | 09143/387 | 09130/268   | 09116/284       | 09109/233        | 09064/382 | 09034/381            |  |
|      | vi.   | <b>R.B. Nos.</b>                       | K2445                                   | K2418          | K2388     | K2344       | K2240           | K2289            | K2258     | K2270                |  |
|      | vii.  | <b>R.B. Make</b>                       | NBC                                     |                | NBC       |             | NBC             |                  | NBC       |                      |  |
|      | viii.   | <b>R.B. Type</b>                       | Direct Mounted Spherical Roller Bearing |                |           |             |                 |                  |           |                      |  |
| 12.3 | <b>Items Traceability:</b>                                    |  |   |                |           |             |                 |                  |           |                      |  |
|      | i.  | <b>BRAKE CYLINDER (Make)</b>           |   |                |           |             | PEW,AJT         |                  |           |                      |  |
|      | ii.   | <b>SECONDARY Shock Absorber (Make)</b> |   |                |           |             | KNORR BREMSE    |                  |           |                      |  |
| 12.4 | i.  | <b>Modification/ Trail (if any):</b>   |   |                |           |             | NIL             |                  |           |                      |  |
|      | ii.   | <b>Deviations (if any):</b>            |   |                |           |             | NIL             |                  |           |                      |  |

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