



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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**ROLLING STOCK CERTIFICATE**

Form No. :

QMF4254;  
Version: 05

|       |   |  |  |                     |                         |
|-------|---|--|--|---------------------|-------------------------|
| 1.    | SHELL No:   | <b>4118</b>  | DISPATCH DATE:   |                     | <b>03.12.2014</b>       |
| 2.    | RAILWAY   | <b>CR</b>  | Type:  | <b>WGACCN</b>       | Coach No.: <b>14130</b> |
| 3.    | Booked to   | <b>SSE/C&amp;W/CSTM</b>                            |  |                     |                         |
| 4.    | Tare Weight of Coach :                                | <b>52.53 T</b>                                     |  |                     |                         |
| 5.    | Carrying Capacity :                                   | Seating: <b>64</b>                                 | Sleeping: <b>64</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 | 181.5 mm (AE63143)                                 |  |                     |                         |
| vii)  | Buffer/CBC Height                                     | Specified : 1104 +0 /-10 mm                        | <b>1104/1104</b>   | <b>1100/1104</b>    |                         |
| viii) | Buffer/CBC (Make )                                    | <b>REPL</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:                     |  |  |                     |                         |
| i.    | BRAKE EQUIPMENT                                       | Make <b>SIL</b>                                    |  |                     |                         |
| ii.   | SEAT & BERTH  | <b>OVPL</b>  |  |                     |                         |
| iii.  | WATER TANKS   | <b>SHIVALIK</b>                                    |  |                     |                         |
| iv.   | PVC   | <b>RESPONSIVE</b>                                  |  |                     |                         |
| v.    | FLOOR BOARD   | <b>NARBADA</b>                                     |  |                     |                         |
| vi.   | UIC VESTIBULE   | <b>KRP</b>   |  |                     |                         |
| vii.  | LAV. DOORS  | <b>DHINJAN</b>                                     |  |                     |                         |
| viii. | LP SHEET  | <b>PUNJAB LAMINATE</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.  | Bogie Details:   | Shell No.                               | Railway         |                 | Type            |                     | Coach No.       |                 | Dispatch Date   |  |
|      |  | 4118                                    | CR              |                 | WGACCN          |                     | 14130           |                 | 04-06-14        |  |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |   |                 |                 |                 |                     |                 |                 |                 |  |
| 12.2 | Wheel & Axle Details:                                  | PP Side                                 |                 |                 |                 | NPP Side            |                 |                 |                 |  |
|      | i. Bogie No.   | 143170                                  |                 |                 |                 | 143186              |                 |                 |                 |  |
|      | ii. Frame No.  | UBLS-955                                |                 |                 |                 | UBLS-980            |                 |                 |                 |  |
|      | iii. Axle No.  | 5851                                    |                 | 5634            |                 | 5854                |                 | 6112            |                 |  |
|      | iv. Wheel Diameter                                     | 909.00                                  | 909.00          | 913.00          | 913.00          | 914.00              | 914.00          | 913.50          | 914.00          |  |
|      | v. Wheel Disc No.                                      | 55695/<br>02612                         | 03366/<br>12547 | 54769/<br>09178 | 02384/<br>04556 | 03946/<br>00400     | 03044/<br>12425 | 06744/<br>68177 | 00150/03<br>793 |  |
|      | vi. R.B. Nos.  | X-1246                                  | X-2058          | X-2092          | X-2042          | X-2080              | X-2054          | X-2065          | X-2087          |  |
|      | vii. R.B. Make   | FAG                                     |                 | FAG             |                 | FAG                 |                 | FAG             |                 |  |
|      | viii. R.B. Type  | Direct Mounted Spherical Roller Bearing |                 |                 |                 |                     |                 |                 |                 |  |
| 12.3 | <u>Items Traceability:</u>                             |   |                 |                 |                 |                     |                 |                 |                 |  |
|      | i.   | BRAKE CYLINDER (Make)                   |                 |                 |                 | PEW                 |                 |                 |                 |  |
|      | ii.  | SECONDARY Shock Absorber (Make)         |                 |                 |                 | GABRIEL,ESCORTS     |                 |                 |                 |  |
| 12.4 | i.   | Modification/ Trail (if any):           |                 |                 |                 | NIL                 |                 |                 |                 |  |
|      | ii.  | Deviations (if any):                    |                 |                 |                 | LESS WHEEL DIA USED |                 |                 |                 |  |

WGACCN-4118