



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

|       |   |   |                            |  |                     |                    |                   |
|-------|---|---|----------------------------|--|---------------------|--------------------|-------------------|
| 1.    | SHELL No:   | <b>4066</b>                                       | DISPATCH DATE:             |  |                     |                    | <b>26.11.2014</b> |
| 2.    | RAILWAY   | <b>NR</b>   | Type:                      | <b>GSLRD</b>   | Coach No.:          | <b>148726</b>      |                   |
| 3.    | Booked to   |   | <b>SSE/C&amp;W/HATIA</b>   |  |                     |                    |                   |
| 4.    | Tare Weight of Coach :                                |   | <b>37.10 T</b>             |  |                     |                    |                   |
| 5.    | Carrying Capacity :                                   | Seating:  | <b>20</b>                  | Sleeping:  | <b>4</b>            | Luggage: <b>8T</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>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/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  |                            | <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>SIL</b>   |                     |                    |                   |
| ii.   | SEAT & BERTH  |   |                            | <b>FLEXO FOAMS</b>   |                     |                    |                   |
| iii.  | WATER TANKS   |   |                            | <b>RUBICONE, RAIL FAB</b>  |                     |                    |                   |
| iv.   | PVC   |   |                            | <b>RESPONSIVE</b>  |                     |                    |                   |
| v.    | FLOOR BOARD   |   |                            | <b>TAYAL</b>   |                     |                    |                   |
| vi.   | UIC VESTIBULE   |   |                            | <b>NA</b>  |                     |                    |                   |
| vii.  | LAV. DOORS  |   |                            | <b>AMIR CHAND &amp; ANKUR</b>  |                     |                    |                   |
| viii. | LP SHEET  |   |                            | <b>NK</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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Rail Coach Factory , Kapurthala

|      |  |                                 |   |               |               |                 |               |               |               |               |
|------|--|---------------------------------|---|---------------|---------------|-----------------|---------------|---------------|---------------|---------------|
| 12.  | <b>Bogie Details:</b>                                  | Shell No.                       | Railway                                 | Type          | Coach No.     | Dispatch Date   |               |               |               |               |
|      |  | 4066                            | NR                                      | GSLRD         | 148726        | 11-11-2014      |               |               |               |               |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |                                 |   |               |               |                 |               |               |               |               |
| 12.2 | <b>Wheel &amp; Axle Details:</b>                       | <b>PP Side</b>                  |   |               |               | <b>NPP Side</b> |               |               |               |               |
|      | i.   | Bogie No.                       | 141426                                  |               |               |                 | 141423        |               |               |               |
|      | ii.  | Frame No.                       | ASR-503                                 |               |               |                 | ASR-610       |               |               |               |
|      | iii.   | Axle No.                        | T-3950                                  |               | W-3157        |                 | Y-8565        |               | T-4127        |               |
|      | iv.  | Wheel Diameter                  | 917.50                                  | 917.50        | 917.00        | 917.00          | 917.00        | 917.00        | 917.00        | 917.00        |
|      | v.   | Wheel Disc No.                  | 06979/<br>263                           | 07224/<br>382 | 09075/<br>216 | 09066/<br>274   | 05841/<br>276 | 06938/<br>287 | 06328/<br>224 | 97726/37<br>2 |
|      | vi.  | R.B. Nos.                       | V-1086                                  | V-1347        | S-856         | S-403           | S-334         | S-643         | V-1362        | V-1361        |
|      | vii.   | R.B. Make                       | FAG                                     |               | FAG           |                 | FAG           |               | FAG           |               |
|      | viii.  | R.B. Type                       | Direct Mounted Spherical Roller Bearing |               |               |                 |               |               |               |               |
| 12.3 | <b>Items Traceability:</b>                             |                                 |   |               |               |                 |               |               |               |               |
|      | i.   | BRAKE CYLINDER (Make)           |   |               |               | PEW             |               |               |               |               |
|      | ii.  | SECONDARY Shock Absorber (Make) |   |               |               | GABRIEL         |               |               |               |               |
| 12.4 | i.   | Modification/ Trail (if any):   |   |               |               | NIL             |               |               |               |               |
|      | ii.  | Deviations (if any):            |   |               |               | NIL             |               |               |               |               |



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

|     |                                   |   |                                       |                        |  |                    |                   |
|-----|-----------------------------------|---|---------------------------------------|------------------------|--|--------------------|-------------------|
| 1.  | SHELL No:                         | <b>4064</b>   | DISPATCH DATE:                        |                        |  |                    | <b>27.11.2014</b> |
| 2.  | RAILWAY                           | <b>NR</b>   | Type:                                 | <b>GSLRD</b>           | Coach No.:   | <b>143725</b>      |                   |
| 3.  | Booked to                         |   |                                       | <b>SSE/C&amp;W/DLI</b> |  |                    |                   |
| 4.  | Tare Weight of Coach :            |   |                                       | <b>37.10 T</b>         |  |                    |                   |
| 5.  | Carrying Capacity :               | Seating:  | 20                                    | Sleeping:              | 4  | Luggage: <b>8T</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>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: |   |                                       |                        | Make   |                    |                   |
|     | i.                                | BRAKE EQUIPMENT                                       |                                       |                        | <b>SIL</b>   |                    |                   |
|     | ii.                               | SEAT & BERTH  |                                       |                        | <b>FLEXO FOAMS</b>   |                    |                   |
|     | iii.                              | WATER TANKS   |                                       |                        | <b>AMIT</b>  |                    |                   |
|     | iv.                               | PVC   |                                       |                        | <b>RESPONSIVE</b>  |                    |                   |
|     | v.                                | FLOOR BOARD   |                                       |                        | <b>TAYAL</b>   |                    |                   |
|     | vi.                               | UIC VESTIBULE   |                                       |                        | <b>NA</b>  |                    |                   |
|     | vii.                              | LAV. DOORS  |                                       |                        | <b>AMIR CHAND &amp; ANKUR</b>  |                    |                   |
|     | viii.                             | LP SHEET  |                                       |                        | <b>NK</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>         |                   |



|      |  |                                      |   |               |               |                 |               |               |               |               |
|------|--|--------------------------------------|---|---------------|---------------|-----------------|---------------|---------------|---------------|---------------|
| 12.  | <b>Bogie Details:</b>                                  | Shell No.                            | Railway                                 | Type          | Coach No.     | Dispatch Date   |               |               |               |               |
|      |  | 4064                                 | NR                                      | GSLRD         | 143725        | 31-10-2014      |               |               |               |               |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |                                      |   |               |               |                 |               |               |               |               |
| 12.2 | <b>Wheel &amp; Axle Details:</b>                       | <b>PP Side</b>                       |   |               |               | <b>NPP Side</b> |               |               |               |               |
|      | i.   | Bogie No.                            | 141380                                  |               |               |                 | 141379        |               |               |               |
|      | ii.  | Frame No.                            | ASR-569                                 |               |               |                 | ASR-560       |               |               |               |
|      | iii.   | Axle No.                             | A-4775                                  |               | U-8768        |                 | RWF-92081     |               | 3563          |               |
|      | iv.  | Wheel Diameter                       | 916.00                                  | 916.00        | 916.50        | 916.50          | 916.00        | 916.00        | 916.50        | 916.00        |
|      | v.   | Wheel Disc No.                       | 08765/<br>300                           | 08776/<br>263 | 08764/<br>246 | 08885/<br>367   | 07102/<br>249 | 08179/<br>217 | 08859/<br>216 | 08857/27<br>0 |
|      | vi.  | R.B. Nos.                            | V-221                                   | V-226         | V-1217        | V-1239          | V-232         | V-1230        | R-77          | R-27          |
|      | vii.   | R.B. Make                            | FAG                                     |               | FAG           |                 | FAG           |               | FAG           |               |
|      | viii.  | R.B. Type                            | Direct Mounted Spherical Roller Bearing |               |               |                 |               |               |               |               |
| 12.3 | <b>Items Traceability:</b>                             |                                      |   |               |               |                 |               |               |               |               |
|      | i.   | BRAKE CYLINDER (Make)                |   |               |               | PEW             |               |               |               |               |
|      | ii.  | SECONDARY Shock Absorber (Make)      |   |               |               | GABRIEL         |               |               |               |               |
| 12.4 | i.   | <b>Modification/ Trail (if any):</b> |   |               |               | NIL             |               |               |               |               |
|      | ii.  | <b>Deviations (if any):</b>          |   |               |               | NIL             |               |               |               |               |



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

|       |   |   |                |  |  |             |            |
|-------|---|---|----------------|--|--|-------------|------------|
| 1.    | SHELL No:   | 4067  | DISPATCH DATE: |  |  |             | 03.12.2014 |
| 2.    | RAILWAY   | NR  | Type:          | GSLRD  | Coach No.:   | 143727      |            |
| 3.    | Booked to   |   |                | SSE/C&W/FZR  |  |             |            |
| 4.    | Tare Weight of Coach :                                |   |                | 37.10 T  |  |             |            |
| 5.    | Carrying Capacity :                                   | Seating:  | 20             | Sleeping:  | 4  | Luggage: 8T |            |
| 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 )                                    |   |                |  | REPL   |             |            |
| 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  | 85/86  |             |            |
| 8.2   | APPLICATION OF PCN-123                                |   |                | SATISFACTORY   |  |             |            |
| 8.3   | INSUALTION  |   |                | SATISFACTORY   |  |             |            |
| 9.    | Traceability of Furnishing Items:                     |   |                |  | Make   |             |            |
| i.    | BRAKE EQUIPMENT                                       |   |                | SIL  |  |             |            |
| ii.   | SEAT & BERTH  |   |                | FLEXO FOAMS  |  |             |            |
| iii.  | WATER TANKS   |   |                | RAIL FAB   |  |             |            |
| iv.   | PVC   |   |                | RESPONSIVE   |  |             |            |
| v.    | FLOOR BOARD   |   |                | ORIENTAL   |  |             |            |
| vi.   | UIC VESTIBULE   |   |                | NA   |  |             |            |
| vii.  | LAV. DOORS  |   |                | AMIR CHAND & ANKUR   |  |             |            |
| viii. | LP SHEET  |   |                | PUNJAB LAMINATE  |  |             |            |
| ix)   | BIO- TOILET   |   |                | DARSHAN  |  |             |            |
| 10.   | 10.1  | Modification/ Trial (if any):                     |                |  | NIL  |             |            |
|       | 10.2  | Deviations (if any):                              |                |  | NIL  |             |            |



# रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

|      |  |                                      |   |           |           |           |           |           |               |           |  |
|------|--|--------------------------------------|---|-----------|-----------|-----------|-----------|-----------|---------------|-----------|--|
| 12.  | <b>Bogie Details:</b>                                  | Shell No.                            | Railway                                 |           | Type      |           | Coach No. |           | Dispatch Date |           |  |
|      |  | 4067                                 | NR                                      |           | GSLRD     |           | 143727    |           | 15-11-2014    |           |  |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' |                                      |   |           |           |           |           |           |               |           |  |
| 12.2 | <b>Wheel &amp; Axle Details:</b>                       | PP Side                              |   |           |           |           | NPP Side  |           |               |           |  |
|      | i.   | Bogie No.                            | 141485                                  |           |           |           |           | 141489    |               |           |  |
|      | ii.  | Frame No.                            | ASR-538                                 |           |           |           |           | ASR-572   |               |           |  |
|      | iii.   | Axle No.                             | 59                                      |           | 0747      |           | 58        |           | 1034          |           |  |
|      | iv.  | Wheel Diameter                       | 917.00                                  | 917.00    | 917.00    | 917.00    | 916.00    | 916.00    | 916.00        | 916.00    |  |
|      | v.   | Wheel Disc No.                       | 08943/275                               | 08943/286 | 06937/216 | 06939/211 | 08085/382 | 08064/267 | 08076/232     | 06931/281 |  |
|      | vi.  | R.B. Nos.                            | S-706                                   | T-3101    | S-432     | S-675     | S-440     | S-439     | S-393         | T-3105    |  |
|      | vii.   | R.B. Make                            | FAG                                     |           | FAG       |           | FAG       |           | FAG           |           |  |
|      | viii.  | R.B. Type                            | Direct Mounted Spherical Roller Bearing |           |           |           |           |           |               |           |  |
| 12.3 | <b>Items Traceability:</b>                             |                                      |   |           |           |           |           |           |               |           |  |
|      | i.   | BRAKE CYLINDER (Make)                |   |           |           |           | AJT       |           |               |           |  |
|      | ii.  | SECONDARY Shock Absorber (Make)      |   |           |           |           | GABRIEL   |           |               |           |  |
| 12.4 | i.   | <b>Modification/ Trail (if any):</b> |   |           |           |           | NIL       |           |               |           |  |
|      | ii.  | <b>Deviations (if any):</b>          |   |           |           |           | NIL       |           |               |           |  |

GSLRD-4067