



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-------|---|---|----------------------------|--|---------------------|--------------------|-------------------|
| 1. | SHELL No: | 5090 | DISPATCH DATE: | | | | 19.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15736 | |
| 3. | Booked to | SSE/C&W/ PER | | | | | |
| 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) 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) | | | HEPL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | | | Description | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | VIBGYOR | 85/86 | | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | AMIR CHAND | | | |
| iii. | WATER TANKS | | | RUBICONE, AMIT | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | NARBADA | | | |
| vi. | UIC VESTIBULE | | | NA | | | |
| vii. | LAV. DOORS | | | TWPL, ANKUR, GANDHI | | | |
| viii. | LP SHEET | | | PL | | | |
| ix) | BIO- TOILET | | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|---|---------------|---------------|---------------|----------------|---------------|-----------------|---------------|--|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | | |
| | | 5090 | SR | | GSLRD | | 15736 | | 09-02-2016 | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. Bogie No. | 160082 | | | | 160143 | | | | | |
| | ii. Frame No. | UBLS-1776 | | | | ASR-14 | | | | | |
| | iii. Axle No. | K-7967 | | S-1764 | | K-7989 | | C-1889 | | | |
| | iv. Wheel Diameter | 915.00 | 915.00 | 916.50 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | | |
| | v. Wheel Disc No. | 16427/ 224 | 15205/ 265 | 12088/ 214 | 08826/ 299 | 10367/ 252 | 12086/ 374 | 16500/ 230 | 16512/09 2 | | |
| | vi. R.B. Nos. | T0198 | T0188 | T0027 | Q0465 | T0009 | T0016 | T0004 | T0169 | | |
| | 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. | | | | A TOOL-675,723 | | A TOOL-630,611 | | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-3154,3092 | | K/B-03054,03124 | | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5090



ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | |
|-------|---|---------------------------------------|----------------|--|---------------------|--------------------|
| 1. | SHELL No: | 5099 | DISPATCH DATE: | | | 12.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15734 |
| 3. | Booked to | | | SSE/C&W/ PER | | |
| 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) 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) | | | HEPL | | |
| 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) 3 to 5 Sec (for Non BMBC type) | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | |
| 7.4 | Passenger alarm by pulling chain | | | BP Blasts out, Brakes "ON" | | |
| 7.5 | Piston stroke for BMBC type coach only | | | 19 +10/-0 mm (NAC) | | |
| 8. | PAINTING DEATAILS: | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | |
| 8.1 | PAINT | | PU PAINT | VIBGYOR | 85/86 | |
| 8.2 | APPLICATION OF PCN-123 | | | SATISFACTORY | | |
| 8.3 | INSUALTION | | | SATISFACTORY | | |
| 9. | Traceability of Furnishing Items: | | | Make | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | |
| ii. | SEAT & BERTH | | | AMIR CHAND | | |
| iii. | WATER TANKS | | | RUBICONE | | |
| iv. | PVC | | | RESPONSIVE | | |
| v. | FLOOR BOARD | | | NARBADA | | |
| vi. | UIC VESTIBULE | | | NA | | |
| vii. | LAV. DOORS | | | ANKUR, DHINJAN, TWPL | | |
| viii. | LP SHEET | | | PL | | |
| ix) | BIO- TOILET | | | RAIL FAB | | |
| 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

| | | | | | | | | | | | |
|------|--|------------------------------------|---|-----------|-----------|----------------|-----------|-----------|----------------|-----------|--|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | | |
| | | 5099 | SR | GSLRD | 15734 | 08-02-2016 | | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. | Bogie No. | 160138 | | | | 160084 | | | | |
| | ii. | Frame No. | UBLS-1854 | | | | UBLS-1802 | | | | |
| | iii. | Axle No. | J-8653 | | J-2905 | | J-8920 | | J-3210 | | |
| | iv. | Wheel Diameter | 916.50 | 916.00 | 915.50 | 915.00 | 916.00 | 916.00 | 916.00 | 916.00 | |
| | v. | Wheel Disc No. | 16380/396 | 16544/205 | 16535/215 | 16537/234 | 16628/206 | 16686/381 | 16432/393 | 16749/354 | |
| | vi. | R.B. Nos. | Q0413 | Q0403 | T0504 | T0502 | Q0407 | Q0487 | Q0459 | Q0997 | |
| | 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. | | | | A TOOL-689,712 | | | A TOOL-728,671 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-3147,3133 | | | K/B-2841,3107 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5099



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5116 | DISPATCH DATE: | | | | 12.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15744 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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 ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 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 | | AAR KAY FOAMS | | | |
| | iii. | WATER TANKS | | AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | DHINJAN, ANKUR, TWPL | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|---|-------------|-------------|-------------|---------------|-------------|-------------|---------------|--|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | | |
| | | 5116 | SR | | GSLRD | | 15744 | | 29-02-2016 | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. Bogie No. | 160215 | | | | 160212 | | | | | |
| | ii. Frame No. | ASR-77 | | | | RBO-1896 | | | | | |
| | iii. Axle No. | J-3279 | | K-7483 | | J-3267 | | S-0350 | | | |
| | iv. Wheel Diameter | 916.00 | 916.00 | 917.00 | 917.00 | 916.00 | 916.00 | 916.50 | 916.00 | | |
| | v. Wheel Disc No. | 53412/11276 | 44861/09176 | 53327/11249 | 53085/11194 | 47516/09650 | 49272/10278 | 52437/11085 | 55120/10518 | | |
| | vi. R.B. Nos. | Q0655 | Q0658 | Q0453 | Q0464 | Q0440 | Q0416 | U2458 | U2455 | | |
| | 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-2567,2558 | | | PEW-2547,2628 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-6518,6651 | | | K/B-6365,6736 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5116



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5119 | DISPATCH DATE: | | | | 17.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15735 | |
| 3. | Booked to | | SSE/C&W/ PER | | | | |
| 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) 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 | | 1102/1102 | 1104/1104 | |
| | viii) | Buffer/CBC (Make) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | NARBADA | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | ANKUR, DHINJAN, TWPL | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | |
|------|--|------------------------------------|---|-------------|-------------|---------------|-------------|----------------|-------------|-------------|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5119 | SR | GSLRD | 15735 | 10-02-2016 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 160154 | | | | 160155 | | | |
| | ii. | Frame No. | ASR-13 | | | | ASR-35 | | | |
| | iii. | Axle No. | F-5857 | | K-7193 | | A-4292 | | K-4887 | |
| | iv. | Wheel Diameter | 915.50 | 915.00 | 915.50 | 915.00 | 915.50 | 915.00 | 915.50 | 915.00 |
| | v. | Wheel Disc No. | 49491/10315 | 53206/11227 | 49462/10315 | 49431/10315 | 53518/11308 | 53187/11227 | 47572/09658 | 53515/11276 |
| | vi. | R.B. Nos. | Q0657 | Q0723 | Q0529 | Q0519 | U2453 | Q0514 | Q0527 | Q0520 |
| | 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-124,119 | | A TOOL-658,116 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-3021,3150 | | K/B-2998,2848 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

GSLRD-5119



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5121 | DISPATCH DATE: | | | | 09.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 157321 | |
| 3. | Booked to | | SSE/C&W/ PER | | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | NARBADA | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | TWPL | | | |
| | viii. | LP SHEET | | LP | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|------------------------------------|---|-----------|-----------|-----------------|-----------|-----------|-----------------|-----------|--|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | | |
| | | 5121 | SR | GSLRD | 15732 | 02-02-2016 | | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. | Bogie No. | 160134 | | | | 160133 | | | | |
| | ii. | Frame No. | ASR-22 | | | | ASR-25 | | | | |
| | iii. | Axle No. | F-5068 | | K-5603 | | S-2514 | | J-2870 | | |
| | iv. | Wheel Diameter | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.50 | 916.00 | |
| | v. | Wheel Disc No. | 16396/379 | 16675/396 | 16593/231 | 16513/226 | 16393/278 | 16678/333 | 10663/243 | 16681/245 | |
| | vi. | R.B. Nos. | T0014 | T0006 | Q0489 | T0159 | Q0455 | Q0448 | Q0486 | Q0359 | |
| | 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. | | | | A TOOL-641,675 | | | A TOOL-721,699 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-03098,03138 | | | K/B-03113,03108 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5121



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5122 | DISPATCH DATE: | | | | 18.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15733 | |
| 3. | Booked to | | SSE/C&W/ PER | | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | NARBADA | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | TWPL | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | |
|------|--|---|-----------|-----------|----------------|---------------|----------------|-----------|-----------|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | |
| | | 5122 | SR | GSLRD | 15733 | 09-02-2016 | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | |
| | i. Bogie No. | 160091 | | | | 160132 | | | |
| | ii. Frame No. | ASR-920 | | | | UBLS-1824 | | | |
| | iii. Axle No. | K-7991 | | C-2028 | | F-5726 | | A-4358 | |
| | iv. Wheel Diameter | 915.00 | 915.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 |
| | v. Wheel Disc No. | 16275/269 | 16494/354 | 10315/203 | 16428/247 | 16515/207 | 16506/392 | 16515/323 | 10365/374 |
| | vi. R.B. Nos. | T0250 | T0175 | T0823 | T0806 | Q0476 | T0008 | T0002 | T0059 |
| | 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. | | | A TOOL-666,730 | | A TOOL-651,626 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | K/B-2865,3028 | | K/B-3094,3010 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | |

GSLRD-5122



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|---|--|--------------------|-------------------|
| 1. | SHELL No: | 5123 | DISPATCH DATE: | | | | 26.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15737 | |
| 3. | Booked to | | SSE/C&W/ PER | | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | FAVELLY | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | NARBADA | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | TWPL, ANKUR, BIGLA,GDLAW,DHINJAN | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | |
|------|--|---|-------------|-------------|----------------|-------------|-----------------|-------------|---------------|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date |
| | | 5123 | SR | | GSLRD | | 15737 | | 04-02-2016 |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | |
| | i. Bogie No. | 160122 | | | | 160120 | | | |
| | ii. Frame No. | ASR-20 | | | | ASR-01 | | | |
| | iii. Axle No. | J-8682 | | H-0022 | | K-5185 | | J-2900 | |
| | iv. Wheel Diameter | 916.50 | 916.00 | 915.50 | 915.00 | 916.00 | 916.00 | 916.00 | 916.00 |
| | v. Wheel Disc No. | 49034/10177 | 49596/10345 | 52424/11085 | 49361/10278 | 53066/11194 | 53466/11276 | 52428/11085 | 53475/11276 |
| | vi. R.B. Nos. | Q0283 | Q0300 | T0714 | V1341 | V1101 | V1243 | V1119 | V1248 |
| | 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. | | | A TOOL-610,687 | | A TOOL-636,645 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | K/B-0212,0216 | | K/B-02969,02915 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | |

GSLRD-5123



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|---|--|--------------------|-------------------|
| 1. | SHELL No: | 5125 | DISPATCH DATE: | | | | 26.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15738 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORT | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | NARBADA | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | TWPL, ANKUR, BIGLA,GDLAW,DHINJAN | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|------------------------------------|---|-----------------|-----------------|-----------------|--------------------|-----------------|-----------------|---------------|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | Coach No. | Dispatch Date | | | | |
| | | 5125 | SR | | GSLRD | 15738 | 11-02-2016 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | | NPP Side | | | | |
| | i. | Bogie No. | 160105 | | | | | 160156 | | | |
| | ii. | Frame No. | ASR-17 | | | | | ASR-19 | | | |
| | iii. | Axle No. | K-7529 | | K-7509 | | A-4555 | | A-4920 | | |
| | iv. | Wheel Diameter | 916.00 | 916.00 | 916.00 | 916.00 | 916.50 | 916.00 | 916.00 | 916.00 | |
| | v. | Wheel Disc No. | 53053/ 11194 | 53151/ 11227 | 40208/ 08318 | 53404/ 11085 | 52414/ 11085 | 53119/ 11227 | 50318/ 10518 | 53153/NI L | |
| | vi. | R.B. Nos. | T0872 | T0230 | T0242 | T0760 | Q0573 | Q0571 | Q0570 | Q0574 | |
| | 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. | | | | | A TOOL-713,PEW-128 | | A TOOL-699,617 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | | K/B-02909,2862 | | K/B-2990,3142 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |

GSLRD-5125



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5126 | DISPATCH DATE: | | | | 26.02.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15739 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 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 | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | DHINJAN, ANKUR, TWPL | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|---|-----------|-----------|-----------|-----------------|-----------|-----------|------------------|--|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | | |
| | | 5126 | SR | | GSLRD | | 15739 | | 17-02-2016 | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. Bogie No. | 160170 | | | | 160175 | | | | | |
| | ii. Frame No. | ASR-49 | | | | ASR-1021 | | | | | |
| | iii. Axle No. | J-2673 | | A-4971 | | A-5357 | | A-4088 | | | |
| | iv. Wheel Diameter | 916.00 | 916.00 | 917.00 | 917.00 | 916.00 | 916.00 | 917.00 | 917.00 | | |
| | v. Wheel Disc No. | 16770/317 | 16767/206 | 14017/232 | 15406/388 | 13805/224 | 13389/395 | 12288/291 | 14112/254 | | |
| | vi. R.B. Nos. | U-2432 | U-2460 | Q0558 | Q0567 | Q0795 | Q0803 | Q0999 | Q0577 | | |
| | 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-2501,E11687 | | | PEW-E11811,E4910 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-03136,02949 | | | K/B-02940,03134 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5126



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-------------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5127 | DISPATCH DATE: | | | | 03.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15740 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | VIBGYOR | 86/87 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | FAIVELEY | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | GANDHI, ANKUR, DHINJAN | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|---|-------------|-------------|-------------|-----------------|-------------|-------------|------------------|--|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | | |
| | | 5127 | SR | | GSLRD | | 15740 | | 19-02-2016 | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. Bogie No. | 160165 | | | | 160163 | | | | | |
| | ii. Frame No. | ASR-57 | | | | ASR-033 | | | | | |
| | iii. Axle No. | A-5002 | | A-3874 | | A-3714 | | Y-7851 | | | |
| | iv. Wheel Diameter | 916.50 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | | |
| | v. Wheel Disc No. | 49359/10278 | 49315/10278 | 44207/02577 | 53148/11227 | 53078/11194 | 49313/10278 | 53086/11194 | 53441/11224 | | |
| | vi. R.B. Nos. | Q0780 | Q0366 | Q0788 | Q0784 | Q0352 | Q0357 | Q0348 | Q0360 | | |
| | 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-E1392,E1325 | | | PEW- E1484,E3065 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-2834,3007 | | | K/B-3017,2836 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5127



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-------------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5129 | DISPATCH DATE: | | | | 09.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15743 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 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 | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | DHINJAN, ANKUR, GANDHI | | | |
| | viii. | LP SHEET | | LP | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|---|---|---|---------------|------------------|----------------------|---------------|-----------------|-----------------|---------------|--|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | | |
| | | 5129 | SR | GSLRD | 15743 | 19-02-2016 | | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. | Bogie No. | 160103 | | | | 160180 | | | | |
| | ii. | Frame No. | RBO-1787 | | | | ASR-50 | | | | |
| | iii. | Axle No. | F-5816 | | J-8701 | | A-4581 | | Z-7404 | | |
| | iv. | Wheel Diameter | 916.00 | 916.00 | 917.00 | 917.00 | 917.00 | 917.00 | 917.00 | 917.00 | |
| | v. | Wheel Disc No. | 16659/ 214 | 16683/ 286 | 15128/ 210 | 16742/ 328 | 16573/ 279 | 06961/ 213 | 13878/ 286 | 13969/22 8 | |
| | vi. | R.B. Nos. | Q0726 | Q0714 | Q0824 | Q0812 | Q0548 | Q0550 | Q0551 | Q0554 | |
| | vii. | R.B. Make | FAG | | FAG | | FAG | | FAG | | |
| | viii | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 11.3 | Items Traceability: | | | | PP SIDE | | | NPP SIDE | | | |
| | i. | BRAKE CYLINDER Make & NO. | | | | PEW-E3049,E3062 | | | PEW-E2329,E2502 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-02765,02881 | | | K/B-01415,02949 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5129



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5131 | DISPATCH DATE: | | | | 10.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15742 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | GANDHI, ANKUR, TWPL | | | |
| | viii. | LP SHEET | | LP | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | |
|------|--|---|-----------|-----------|-----------|-----------------|-----------|---------------|-----------|--|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5131 | SR | GSLRD | 15742 | 26-02-2016 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. Bogie No. | 160208 | | | | 160207 | | | | |
| | ii. Frame No. | UBLS-1889 | | | | UBLS-1894 | | | | |
| | iii. Axle No. | K-5057 | | 08153 | | H-0066 | | K-6932 | | |
| | iv. Wheel Diameter | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | |
| | v. Wheel Disc No. | 16532/282 | 16427/297 | 16373/391 | 13928/310 | 16734/316 | 10360/204 | 16515/396 | 16760/232 | |
| | vi. R.B. Nos. | Q0415 | V1170 | S1077 | S1046 | U2452 | U2391 | U2456 | U2463 | |
| | 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-E2536,E2508 | | PEW-2626,2822 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-6612,6735 | | K/B-6601,6344 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

GSLRD-5131



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5132 | DISPATCH DATE: | | | | 10.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15741 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | GANDHI, ANKUR, TWPL | | | |
| | viii. | LP SHEET | | LP | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | |
|------|---|---|---|---------------|------------------|----------------------|-----------------|-----------------|---------------|---------------|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5132 | SR | GSLRD | 15741 | 15-02-2016 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 160169 | | | | 160164 | | | |
| | ii. | Frame No. | ASR-24 | | | | ASR-52 | | | |
| | iii. | Axle No. | Y-8014 | K-7484 | | Z-7096 | | J-3255 | | |
| | iv. | Wheel Diameter | 916.50 | 916.00 | 916.00 | 916.00 | 917.00 | 917.00 | 916.50 | 916.00 |
| | v. | Wheel Disc No. | 16541/ 331 | 16681/ 238 | 15402/ 242 | 12123/ 389 | 12912/ 375 | 15398/ 272 | 13969/ 316 | 14207/24 9 |
| | vi. | R.B. Nos. | Q0768 | Q0789 | Q0822 | Q0814 | Q0530 | Q0573 | Q0543 | Q0566 |
| | vii. | R.B. Make | FAG | | FAG | | FAG | | FAG | |
| | viii | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 11.3 | Items Traceability: | | | | PP SIDE | | NPP SIDE | | | |
| | i. | BRAKE CYLINDER Make & NO. | | | PEW-E2560,E2479 | | | PEW-2524,E2345 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | K/B-03085,03137 | | | K/B-03072,03145 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | NIL | | | | | |

GSLRD-5132



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5133 | DISPATCH DATE: | | | | 11.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15745 | |
| 3. | Booked to | | SSE/C&W/ PER | | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AAR KAY FOAMS | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | DHINJAN, ANKUR, TWPL | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | |
|------|--|------------------------------------|---|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------|
| 11. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5133 | SR | GSLRD | 15745 | 01-03-2016 | | | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 160221 | | | | 160219 | | | |
| | ii. | Frame No. | ASR-949 | | | | ASR-62 | | | |
| | iii. | Axle No. | 8092 | | k-4750 | | A-4222 | | A-4096 | |
| | iv. | Wheel Diameter | 916.50 | 916.00 | 916.00 | 916.00 | 910.00 | 910.00 | 909.00 | 909.00 |
| | v. | Wheel Disc No. | 14071/388 | 16240/290 | 16567/282 | 16192/397 | 02341/204 | 05702/239 | 07222-376 | 14057/274 |
| | vi. | R.B. Nos. | S1431 | S0835 | Q0816 | Q837 | S1032 | Q0332 | Q0873 | Q0829 |
| | 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-2616,2466 | | PEW-2577,2819 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-06502,06409 | | K/B-06476,06744 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | LESS WHEEL DIA | | | | |

GSLRD-5133



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF4254; Version: 05

| | | | | | | | |
|-----|-----------------------------------|---|---|-----------------------------|--|--------------------|-------------------|
| 1. | SHELL No: | 5134 | DISPATCH DATE: | | | | 12.03.2016 |
| 2. | RAILWAY | SR | Type: | GSLRD | Coach No.: | 15746 | |
| 3. | Booked to | | | SSE/C&W/ PER | | | |
| 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) 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) | | | HEPL | | |
| | ix) | Draw Gear (Make) | | | RK | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 85/86 | | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | | |
| | ii. | SEAT & BERTH | | AMIR CHAND | | | |
| | iii. | WATER TANKS | | RUBICONE, AMIT | | | |
| | iv. | PVC | | RESPONSIVE | | | |
| | v. | FLOOR BOARD | | TAYAL | | | |
| | vi. | UIC VESTIBULE | | NA | | | |
| | vii. | LAV. DOORS | | DHINJAN, ANKUR, TWPL | | | |
| | viii. | LP SHEET | | PL | | | |
| | ix) | BIO- TOILET | | RAIL FAB | | | |
| 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

| | | | | | | | | | | | |
|------|--|---|-------------|-------------|-------------|---------------|-------------|-------------|---------------|--|--|
| 11. | Bogie Details: | Shell No. | Railway | | Type | | Coach No. | | Dispatch Date | | |
| | | 5134 | SR | | GSLRD | | 15746 | | 20-02-2016 | | |
| 11.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 11.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | | |
| | i. Bogie No. | 160190 | | | | 160081 | | | | | |
| | ii. Frame No. | UBLS-1831 | | | | UBLS-1759 | | | | | |
| | iii. Axle No. | H-0185 | | K-5124 | | G-9914 | | H-0169 | | | |
| | iv. Wheel Diameter | 916.50 | 917.00 | 916.00 | 916.00 | 916.00 | 916.00 | 917.00 | 917.00 | | |
| | v. Wheel Disc No. | 53160/11227 | 49377/10278 | 47610/07685 | 47606/09658 | 47990/09986 | 53192/11227 | 53196/11227 | 47682/09724 | | |
| | vi. R.B. Nos. | Q0679 | Q0664 | Q0661 | Q0583 | Q0649 | Q0680 | Q0672 | Q0675 | | |
| | 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-3030,1501 | | | PEW-2326,2542 | | |
| | ii. | SECONDARY Shock Absorber Make &NO. | | | | K/B-2772,2769 | | | K/B-2783,2874 | | |
| 11.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | | |

GSLRD-5134