



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

| | | | | | | | |
|-------|---|--|----------------|--------------------------------|-----------|----------------------|------------------|
| 1. | SHELL No. | 3027 | DISPATCH DATE | | | | 23.5.2014 |
| 2. | Railway | SEC | Type | LWLRRM | Coach No. | 13856 | |
| 3. | Booked to | SSE/C&W/BSP | | | | | |
| 4. | Tare Weight of Coach | 53.4 T | | | | | |
| 5. | Carrying Capacity | Seating | NIL | Sleeping | NIL | Luggage 3.9 T | |
| 6. | Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum length over Body | 23700+10/-0 mm | | | | | |
| ii) | Maximum width over Body | 3240-8/+0 mm, 3050 mm (LWSCZDAC) | | | | | |
| iii) | Max. Height From Rail Level | 4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC) | | | | | |
| iv) | Buffer/CBC Height | Specified : 1105 +0 /-15 mm | 1100 | 1102 | | | |
| v) | Buffer/CBC (Make) | ESCORTS | | Fiba Device | NA | | |
| 7. | Air Brake Testing: | Description | | | Specified | Observed | |
| 7.1 | Full Brake Application | Reduce pressure of BP from 5.0 to 3.4 kg/cm ² | | 6 –10 sec | 6 Sec | | |
| | | Max Pressure in BC | | 3.00 ± 0.15 Kg/cm ² | 3.00 | | |
| | | All Brake are applied | | OK | OK | | |
| 7.2 | Insensitivity | Exhaust BP @ 0.3 kg/cm ² /min | | No brake application | OK | | |
| 7.3 | Sensitivity | Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec. | | Brake must apply | OK | | |
| 8. | PAINTING DEATAILS: | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | | |
| 8.1 | PAINT | PU PAINT | NEROLAC | 50-83 | | | |
| 8.2 | APPLICATION OF PCN-123 | SATISFACTORY | | | | | |
| 8.3 | INSUALTION | SATISFACTORY | | | | | |
| 9. | Traceability of Furnishing Items: | | | | Make | | |
| i. | BRAKE EQUIPMENT | | | FAIVELEY | | | |
| iii. | CDTS | | | AMIT | | | |
| iv. | SEATS/S&B | | | GANDHI | | | |
| v. | BODY SIDE DOOR | | | MOHAN RAIL & JBM | | | |
| vi. | VESTIBULE SLIDING DOOR | | | JBM | | | |
| vii. | CREW-GEN & GUARD ROOM DOOR | | | JBM/JBM | | | |
| viii. | WATER TANKS | | | AMIT & SHIVALIK | | | |
| ix | FUEL TANK | | | GAURAV | | | |
| x | UIC VESTIBULE | | | KRP | | | |
| 10. | | | | | | | |
| 10.1 | Modification / Trail (if any): | | | | NIL | | |
| 10.2 | Deviations if any: | | | | NIL | | |



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Rail Coach Factory , Kapurthala

Shell No.:- 3027

Date: 04-03-2014

| | | | | | |
|-----|-----|------|--------|-----------|-------|
| RLY | SEC | Type | LWLRRM | Coach No. | 13856 |
|-----|-----|------|--------|-----------|-------|

6.0 Wheel & Axle details:

| Items | LPC- I (PP side) | | | | LPC- II (NPP side) | | | |
|----------------|--------------------------------|-----------|-----------|-----------|--------------------|-----------|-----------|-----------|
| Bogie No. | 146127 | | | | 146131 | | | |
| Frame No. | FIAT-2617 | | | | FIAT-2645 | | | |
| Bolster No. | 3628-GT | | | | 161-HEI | | | |
| Axle No. | R-2176 | | RWF-96788 | | RWF-109287 | | S-6343 | |
| Wheel Diameter | 915.00 | 915.00 | 916.00 | 916.00 | 915.00 | 915.50 | 915.00 | 915.00 |
| Wheel Disc No. | 126-50843 | 263-48032 | 067-48032 | 347-48744 | 202-50843 | 358-51777 | 215-46389 | 297-50842 |
| R.B. Nos. | 04696 | 04793 | 04657 | 04858 | 04603 | 04571 | 04669 | 04871 |
| R. B. Make | TIMKEN | | TIMKEN | | TIMKEN | | TIMKEN | |
| RB Type | CARTRIDGE TAPER ROLLER BEARING | | | | | | | |

6.1 Secondary suspension load deflection Values:

| Description | Bogie PP side | | | | Bogie NPP side | | | |
|-------------------------------|---------------|--------------|--------------|--------------|----------------|------------|-------------|------------|
| | Secondary 1 | | Secondary 2 | | Secondary 1 | | Secondary 2 | |
| | Outer | Inner | Outer | Inner | Outer | Inner | Outer | Inner |
| Make & nos. | DN-12-01-188 | DN-12-01-352 | DN-12-02-181 | DN-12-02-306 | G13-4-0585 | G12-09-258 | G13-04-0584 | G12-09-119 |
| Compressed ht. at tested load | 505 | 458 | 509 | 459 | 514 | 468 | 513 | 470 |
| Align deviation | 10 | 3 | 9 | 4 | 20 | 17 | 18 | 11 |

6.2 Component traceability:

| SNO | ITEM | PP Side Bogie | NPP side Bogie | Make |
|-----|--------------------------------|---|---|---------|
| 1 | Primary Outer Spring batch no. | L&S-5-12 | L&S-5-12 | L&S |
| 2 | Primary inner Spring batch no | G-05-12 | G-05-12 | GF |
| 3 | Primary Damper | | | SV |
| 4 | Secondary damper | | | SACHS |
| 5 | Lateral Damper | | | SACHS |
| 6 | Brake cylinder & Caliper | 141208/2000,141231/2000, 141201/2000,141227/2000 | 141205/2000,141218/2000, 141216/2000,141217/2000 | FTI |
| 7 | Brake Disc | | | FTI |
| 8 | Ball joint Control arm | | | SGA |
| 9 | Lateral Bump stop | | | GMT |
| 10 | Traction center make | | | SARITA |
| 11 | Traction lever make | | | SARITA |
| 12 | Ball joint traction lever | | | GMT |
| 13 | Ball joint Traction centre | | | SGA |
| 14 | Secondary rubber pad | | | TECSPAK |
| 15 | Rubber spring | | | GMT |
| 16 | Anti roll bar make | | | SARITA |
| 17 | Roll link make | | | SARITA |
| 18 | Fork make | | | EMSON |