



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

| | | | | | | | |
|-------|-----------------------------------|---------|--|----------|--------------------------------|------------------------------|------------|
| 1. | SHELL No. | 6010 | DISPATCH DATE | | | | 14.03.2017 |
| 2. | Railway | NR | Type | LFCWAC | Coach No. | 163031 | |
| 3. | Booked to | | SSE/C&W/DLI | | | | |
| 4. | Tare Weight of Coach | | 43.6 T | | | | |
| 5. | Carrying Capacity | Seating | 38 | Sleeping | 38 | Luggage NIL | |
| 6. | Shell Details: WA900001 | | | | | | |
| 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 | | 1105 | 1105 | |
| v) | Buffer/CBC (Make) | | SANROK | | Fiba Device | NIL | |
| 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 | | VIBGYOR | 87/87 | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | | | Make | |
| i. | BRAKE EQUIPMENT | | | | | KBI | |
| ii. | BIO TOILET | | | | | RAIL FAB+JSL LIFE STYLE LTD. | |
| iii. | SEATS/ BERTHS | | | | | AAR KAY FOAMS | |
| iv. | BODY SIDE DOOR | | | | | SUKATA,JBM | |
| v. | VESTIBULE SLIDING DOOR | | | | | KALSI | |
| vi. | SALOON DOOR | | | | | KALSI | |
| vii. | WATER TANKS | | | | | MANOJ(AUX) AND AMIT(U/S) | |
| viii. | UIC VESTIBULE | | | | | ESCORT | |
| ix | FLOOR BOARD | | | | | TWPL | |
| x | PVC FLOORING | | | | | RESPONSIVE | |
| 10. | | | | | | | |
| i | Modification / Trail (if any): | | NIL | | | | |
| ii | 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 | | | |
| | | | 6010 | NR | LWSCZ | 163031/C | 21-01-2017 | | | |
| 11.1 | Wheel & Axle Details: | | PP Side | | | | NPP Side | | | |
| | i. | Bogie No. | 176061 | | | | 176062 | | | |
| | ii. | Frame No. | FIAT-5347 | | | | FIAT-5386 | | | |
| | iii. | Bolster No. | 6552-P | | | | 6498-P | | | |
| | iv. | Axle No. | R-2635 | | N-7018 | | R-2648 | | T-0028 | |
| | v. | Wheel Dia. | 916.50 | 916.00 | 917.00 | 917.00 | 916.00 | 916.00 | 916.00 | 916.00 |
| | vi. | Wheel Disc No. | 00096-6218 | 00060-6179 | 00159-6219 | 00049-6193 | 00029-6215 | 00055-6215 | 00068-6067 | 00075-6011 |
| | vii. | R.B. Nos. | 00725 | 00640 | 06247 | 05173 | 81904 | 86540 | 81689 | 80477 |
| | viii. | R.B. Make | TIMKEN | | TIMKEN | | TIMKEN | | TIMKEN | |
| | ix. | RB Type | UIC CARTRIDGE TAPER ROLLER BEARING | | | | | | | |
| 11.2 | Secondary suspension load deflection Values: | | | | | | | | | |
| Description | | Secondary 1 | | Secondary 2 | | Secondary 1 | | Secondary 2 | | |
| | | Outer | Inner | Outer | Inner | Outer | Inner | Outer | Inner | |
| i. | Make & nos. | RSK-16-6-789 | RSK-16-5-1389 | RSK-16-6-348 | RSK-16-5-1372 | RSK-16-6-752 | RSK-16-5-1095 | RSK-16-6-24 | RSK-16-5-1385 | |
| ii. | Ht. at test load | 512 | 467 | 512 | 468 | 509 | 467 | 508 | 467 | |
| iii. | Align .deviation | 13 | 40 | 9 | 35 | 4 | 38 | 4 | 38 | |
| 11.3 | Items traceability: | | | | | | | | | |
| | Sno. | Item | | PP Side Bogie | | NPP side Bogie | | Make | | |
| | i. | Primary Outer Spring | | L&S-12-5 | | L&S-12-5 | | L&S | | |
| | ii. | Primary inner Spring | | G-12-6 | | G-12-6 | | GF | | |
| | iii. | Primary Damper | | 35475,36005,36546,35441 | | 35993,35472,35480,36617 | | KONI | | |
| | iv. | Secondary damper | | 0391,0308 | | 0372,0334 | | SV | | |
| | v. | Lateral Damper | | 0350 | | 0091 | | SV | | |
| | vi. | Yaw Damper | | | | | | NIL | | |
| | vii. | Brake cylinder & Caliper | | 4826/691,4795/691 4823/691,4796/691 | | 4829/691,4803/691 4828/691,4794/691 | | KBI | | |
| | viii. | Brake Disc | | | | | | FTI | | |
| | ix. | Ball joint Control arm | | | | | | MGN | | |
| | x. | Lateral Bump stop | | | | | | GMT | | |
| | xi. | Traction center make | | | | | | SARITA | | |
| | xii. | Traction lever make | | | | | | SARITA | | |
| | xiii. | Ball joint traction lever | | | | | | MGN | | |
| | xiv. | Traction centre elastic | | | | | | SGA | | |
| | xv. | Secondary rubber pad | | | | | | TECSPAK | | |
| | xvi. | Rubber spring | | | | | | GMT | | |
| | xvii. | Anti roll bar make | | | | | | EMSON | | |
| | xviii. | Ball joint roll link | | | | | | SARITA | | |
| | xix. | Fork make | | | | | | EMSON | | |
| 11.4 | i. | Modification / Trial (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

