

Cabin standards as per CMVR NORMS :

| Standards For Truck Cabin | | |
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| Sl no. | Norms Description | STD |
| 1 | Rear View Mirror Specification | AIS : 001 |
| 2 | Rear View Mirror Installation | AIS : 002 |
| 3 | Safety Belt Assemblies Specification | AIS : 005 |
| 4 | Installation for Light & Light Signalling Devices | AIS : 008 |
| 5 | Wind Screen Wiping System | AIS : 011 |
| 6 | Performance requirements for Lighting & Signalling devices Head lamp assembly (Glass lense)/(Plastic lense) Front / Rear Direction Indicator lamp assembly | AIS : 012 |
| 7 | Spray Supression System | AIS : 013 |
| 8 | Horn / Installation requirements | IS : 1884, AIS : 014 |
| 9 | Safety Belt Anchorage Specification | AIS : 015 |
| 10 | Wiper Blade | AIS : 019 |
| 11 | Windscreen wiping system | AIS : 019 |
| 12 | Automotive vehicles – Interior Noise | AIS : 020 |
| 13 | Seat , their Anchorage & Head Restraints | AIS : 023 |
| 14 | Survival Space | AIS : 029 |
| 15 | Automotive lamps (bulbs) | AIS:034 |
| 16 | Hand Holds | AIS : 046 |
| 17 | Interior Fitting Specification | AIS : 047 |
| 18 | Automotive Vehicles - Identification of Controls Tell-Tales and Indicators | AIS: 071 |
| 19 | Automotive Truck Code | AIS: 093 |
| 20 | Door locks & door retention | IS : 14225 |
| 21 | Side window / door glass | IS : 2553 |
| 22 | Windscreen laminated safety glass | IS : 2553 |
| 23 | Approval of Retro-Reflective Markings for Heavy and Long Vehicles, their Trailers and Semi-trailers | AIS : 090 |
| 24 | External Projection & Specification requirement | IS: 13942 |
| 25 | Shower test | IS : 11865 |

Inspection stage reports

| SL. NO | DESCRIPTION | CRETRIA | ACTUAL | REMARKS |
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| <u>STRUCTURAL ASSEMBLY</u> | | | | |
| 1 | Overall dimension | | | |
| 1.A | Overall width | | | |
| 1.B | Overall length | | | |
| 1.C | CAB inner height | | | |
| 2 | Long member inner to inner (front) | | | |
| 3 | Long member inner to inner (Rear) | | | |
| 4 | Floor to Engine tunnel top | | | |
| 5 | Engine Profile check | Template check | | |
| 6 | Root Profile check | Template check | | |
| 7 | Front Profile check | Template check | | |
| 8 | LH side structure profile check | Template check | | |
| 9 | RH side structure profile check | Template check | | |
| 10 | Rear structure profile check | Template check | | |
| 11 | Weld Joints | | | |
| 12 | Primer on weld joints | | | |
| <u>DOOR ASSEMBLY</u> | | | | |
| 1 | Door Lock operation | Functional check | | |
| 2 | Winding Mechanism operation | Functional check | | |
| 3 | Door opening angle | | | |
| 4 | Door inner release lever operation | Functional check | | |
| 5 | Weld Joints | | | |
| 6 | Primer on weld joints | | | |
| 7 | Door check arm operation | Functional check | | |
| 8 | Door profile matching with body | | | |

| <u>PANELING JOINT</u> | | | | |
|------------------------------|-----------------------------------|-------------------------------------------------------------------------|--|--|
| 1 | Panel Joineries | | | |
| 2 | Engine Profile check | Template check | | |
| 3 | Roof Profile check | Template check | | |
| 4 | Front Profile check | Template check | | |
| 5 | LH side profile check | Template check | | |
| 6 | RH side profile check | Template check | | |
| 7 | Rear profile check | Template check | | |
| 8 | Weld joints | | | |
| 9 | Primer on weld joints | | | |
| <u>TRIM FITMENTS</u> | | | | |
| 1 | Fitment of operating pedals | | | |
| 2 | Fitment of steering column | | | |
| 3 | Seat LH / RH | | | |
| 4 | Interior ABS trims | | | |
| 5 | HVAC Assy. | | | |
| 6 | DASH board Assy.fitment | | | |
| 7 | Diesel fired heater Assy. fitment | Orientation of pump, exhaust routing intake routing & Air duct routing. | | |
| 8 | Interior lamp fitment | | | |
| 9 | Exterior lamps fitment | | | |
| 10 | Floor MAT fitment | | | |
| 11 | Sleeper berth fitment | | | |
| 12 | All glass fitment | | | |
| 13 | Wiper & wash system fitment | | | |
| 14 | Switches and controls fitment | | | |
| 15 | Water tank assy. fitment | | | |
| 16 | NBC filter assy. fitment | | | |
| 17 | Wind shield fitment | | | |

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| 18 | Wiring harness routing | | | |
| 19 | Combination switch fitment | | | |
| 20 | Ignition switch fitment | | | |
| 21 | Steering column cover fitment | | | |
| 22 | RVM. wide angle and proximity mirror fitment | | | |
| 23 | Document holder fitment | | | |
| 24 | Gun base, clip & fire extinguisher fitment | | | |
| 25 | Jump startas5y fitment | | | |
| 26 | Air/Electric horn fitment | | | |
| 27 | Sunvisor fitment | | | |
| 28 | First Aid Box fitment | | | |
| 29 | Cab insulation assy. | | | |
| 30 | Hand holds fitment | | | |
| 31 | Parking brake valve fitment | | | |
| 32 | Shower test | As per IS: 11 865 | | |
| STATIC CHECKS:100 % | | | | |
| 1. CABIN (Inside) | | | | |
| a) | Ignition box/ Steering lock i) Ignition key operation in 03 positions ii) Ignition On/Off iii) Functioning of Steering Lock | | | |
| b) | Cabin Doors i) Functioning of Lock/ Unlock from outside ii) Functioning of Lock/ Unlock from inside iii) Fitment of door handles iv) Raising/Lowering of door glasses. | | | |
| c) | Driver/Co-Driver Seat i) Forward/Backward adjustment ii) Raising/lowering iii) Back rest inclination adjustment iv) Fitment of seat belts (safety belt) for Driver and Co driver | | | |
| d) | Middle seats (02 Nos.) i) Fitment of seats and backrest ii) Fitment of lap belts/ locking | | | |
| e) | Bonnet i) Functioning of Lock/ Unlock | | | |

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| f) | Horn i) Functioning | | |
| g) | Sun visors (03 Nos.) i) Fitment ii) Free movement of sun visors | | |
| h) | Steering Wheel i) Position ii) Steering wheel play (10-40 mm.) Max.18 Deg. with engine operating iii) No. of Steering wheel turns – 5 2/3 | | |
| i) | Wind Shield Wiper i) Functioning ii) Position of wiper blade iii) Sprinkler functioning/ jet spray adjustment | | |
| j) | Manhole i) Cover fitment ii) Functioning of Lock/ Unlock | | |
| k) | Fitment/ Functioning of Instrument Panel Board Meters i) Tachometer / Eng. Hrs. meter ii) Double Air Pressure Gauge of Brake system iii) Oil pressure gauge iv) Fuel gauge with reserve indicator v) Tyre pressure gauge vi) Voltmeter | | |
| l) | Fitment/ Functioning of Instrument Panel Switches i) Winch lamp switch ii) Engine stop button iii) Convoy light switch iv) Control lever of heater and ventilation v) Winch Control Knob vi) Head lamp change over switch vii) Hazard lamp switch viii) Tortoise/ Rabbit mode switch ix) Exhaust brake switch x) Fan switch xi) Electric fuel delivery pump switch xii) Fog lamp switch xiii) Dome light switch xiv) Rotary illumination switch (03 steps) | | |
| m) | Functioning of Instrument Panel Signal Lamps i) Engine Overheating (red) ii) Electronic Cooling malfunctioning (red) | | |

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| | iii) Engine preheating (yellow) iv) 65 % system air pressure (red) v) 90 % system air pressure (red) vi) Fog lamp (green) vii) Winch signal lamp (yellow) viii) Turn signal (green) ix) Trailer turn signal (green) x) Charging indicator (red) xi) High beam (blue) xii) IAD lock (green) xiii) AD lock (green) xiv) Cabin lock (red) xv) Beacon lamp (yellow) xvi) Electric delivery pump (white) xvii) Hazard lamp (red) xviii) PTO engagement indicator | | |
| n) | Ventilators/Cabin Heaters i) Functioning of 03 speeds fan ii) Functioning of Dependent heater (oil) iii) Functioning of Independent heater (fuel) iv) Functioning of Independent heater LCD | | |
| o) | Map reading lamp i) Functioning with toggle switch and push button | | |
| p) | Accelerator Pedal i) Free play ii) Free movement of pedal | | |
| q) | Gear Shift Lever i) Fitment ii) Fouling iii) Condition and locking of rubber boot | | |
| r) | Clutch Pedal i) Free play (4-11mm) ii) Free movement of pedal | | |
| s) | Brake Pedal i) Free play (4-11mm) ii) Free movement of pedal | | |
| t) | Exhaust Brake i) Functioning ii) Releasing (800-900 RPM) | | |
| u) | Parking Brake i) Functioning in 03 positions | | |
| v) | Fitment/ functioning of Misc. accessories i) NBC filter (01 No.) ii) Gun mounting clips iii) Instruction stickers (Tyre inf./def, AD/IAD) | | |

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| | etc.) iv) Brackets (04 Nos.) for emergency seat/ couch v) Electric Wiring diagram vi) Fire extinguisher mounting bracket vii) Sprinkler tank viii) Accumulator circuit breaker ix) Radio socket | | |
| w) | Other snags | | |
| 2. | CABIN (Outside) | | |
| a) | Electrical lamps i) Front single parking lamp ii) Front double parking lamp iii) Upper head lamp (dim/ dip/ straight beam/ passer) iv) Lower head lamp (dim/ dip/ straight beam/ passer) v) Fog lamps vi) Contour lamps vii) LH/ RH side indicator lamps viii) Hazard indicator lamps ix) Beacon lamps x) Search lamp xi) Rear single parking lamp xii) Rear double parking lamp xiii) Tails lamps xiv) Brake lamps xv) Reverse lamp xvi) Winch lamp | | |
| b) | Footsteps and Fenders i) Fitment/ Alignment/ Galvanizing | | |
| c) | Bonnet i) Locking/ seating | | |
| d) | Fuses i) Fitment/ rating of fuses under cover of instrument panel ii) Fitment/ rating of fuses under bonnet of cabin | | |
| e) | Cabin Lifting/ Lowering i) Locking/ unlocking of securing hook ii) Cabin lifting/ lowering function iii) Oil leakage from lift pump iv) Oil Leakage from lift cylinder v) Fitment/ correction of instruction sticker | | |

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| f) | Battery and battery box i) Fitment of batteries (Make/ Rating/ Srl. Nos.) ii) Fitment of battery breathers iii) Fitment of battery terminal/ mineral jelly iv) Battery box fitment including cover v) Rubber gasket condition. vi) Stiffener plate welding | | |
| g) | Air Intake Hood i) Fitment and seating ii) Condition of bellows | | |
| h) | Other snags | | |