

Cabin standards as per CMVR NORMS :

Standards For Truck Cabin		
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
<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			

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 start as5y 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			

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)		

	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)		

	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		

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		