

3. Design:

Seats shall be at the height of 430 mm to 500 mm. The sitting area shall have a depth of 400 mm to 450 mm and minimum width of 440 mm. The seats shall have backrests and foldable armrests mounted on the aisle side.

There shall be an obstacle free head clearance of minimum 1860 mm above the floor surface except on bi-level trains on which luggage racks are provided above the seats. In such case, reduced headroom of 1520 mm is permitted for priority seats underneath the luggage racks, provided that at least 50% of priority seats maintain headroom of 1860 mm.

There shall be an appropriate leg space in front of a seat. The minimum distance between a backrest and the backrest at the seat in front shall be 680 mm and there shall be an appropriate clear foot space under the seat in front.

There shall also be a clear space between the front edge of the seat cushion and the vertical plane for the seat in front of a minimum of 230 mm.

Where facing priority seats are provided, the distance between the front edges of the seat shall be a minimum of 600 mm.

Where facing priority seats are equipped with a table, there shall be a minimum clear horizontal distance between the front edge of the seat cushion and the leading edge of the table of at least 230 mm.

At least two designated seats shall have enough space to allow for accommodation of a guide dog.

None of the designated seats shall be foldable.

Sitting surfaces, especially those of aisle-facing seats, shall be covered by materials with a coefficient of friction sufficient to prevent passengers from sliding back and forth during sudden starts and stops.

The seat profile shall be ergonomically contoured. Bench seats shall be provided for large/obese persons without armrests between seats.