

INTEGRAL COACH FACTORY, CHENNAI 600 038

सवारी डिब्बा कारखानेचे नै

Train 18 – the flagship Semi High Speed Trainset from the Stables of ICF

The new age flagship Trainset code-named Train 18 is set to roll out from the production shops of Integral Coach Factory (ICF) by the end of October, 2018.

The 16 coach semi-high speed Trainset will consist of 16 coaches and is designed for Maximum Operating speed of 160 kmph.

The train has been conceived, designed and is being developed in a record of time of about 18 months, as against the industry demand of about 3 to 4 years, for designing and developing of such type of new design coaches. The Train 18 Trainset is getting ready at an approximate cost of Rs.100 crores per rake about half the price of importing such a rake from abroad, with about 80% Indian origin components in alignment with the Hon'ble Prime Minister's call for 'Make in India'.

Train-18 has Two Driving Trailer Coaches with Aerodynamic Driver's Cab (Nose Cone) on both the ends which will be enable quicker turn-around time at destinations. Every alternative coach is motorized, to ensure even distribution of Motive Power and Faster acceleration/deceleration.

All the equipment are underslung i.e below the chassis of the coach leaving the complete on board space for the passengers. Moreover,, all the coaches are connected by Fully Sealed Gangways with integrated bridge plates, where passenger can walk across freely .

The train has better passenger amenities such as on-board Wi-Fi infotainment, GPS Based Passenger Information System, plush interiors, bio-vacuum toilets, diffused LED lighting, charging points beneath every seat, individual touch based reading lights Intelligent Air-conditioning system that will adjust the cooling according to the climate conditions/occupancy, concealed roller blinds, facility for PWD passengers to enter the driving trailer coach using their wheel chairs, PWD friendly toilets, auto sensor taps in the toilets, modern pantry and food service facilities, Rotating seats to match with the direction of the train in Executive Class, Automatic Sliding Doors inside the coaches, modular luggage rack with glass bottom, etc. The advanced state of the art suspension system will also ensure smooth and safe journey for the passengers.

The total seating capacity of the Train 18 is 1128 (44 × 2 Driving Trailer Coaches + 78 × 12 trailer/motor coaches + 52 × 2 Executive Chair Cars) that's more than the conventional AC chair car trains due to availability of seats in the driving coach and removal of 2 power cars.

Train 18 will have modern look with continuous windows on the exterior, Aerodynamic Nose Design on both the ends, etc.

On safety front, the Train Management System provided with the Driver's Cab will ensure precise brake control and Automated doors Control. The Automated Plug Doors Provided on the coaches will open only when the train reaches 0 Kmph speed and the train will start only after closing of all the doors. Automated sliding footsteps will also form a temporary bridge between the train and the platform to prevent any accidental slip or fall of the passenger. Moreover Emergency talk back units (through which passengers can talk to crew in case of Emergency) and CCTVs are provided in all coaches for safe and secure travel.

Further, CCTV cameras on both the sides of driving cab would help the driver to monitor the movement of passengers on the platform before closing the doors and taking off.

This all Air-Conditioned chair-car formation is expected to replace the existing Shatabdi Express rakes for inter-city travel and considerably reduce the travelling time due to its better acceleration/ deceleration.

The train is also designed in such a way to save Diesel by dispensing with the power cars and about 30% electricity saving thanks to advanced regenerative braking system.

The Train 18 is sure to elevate the Passenger Experience of train travel in India to never before levels. .

Sr. PRO