

BENGALURU COMPLEX

BEML Limited (formerly known as Bharat Earth Movers Limited) as a full-fledged corporation was established in 1964 with Bengaluru Complex as the mother unit. The Bengaluru Complex (the then Rail Coach Factory) was in existence from 1947 as a part of Aircraft Factory (currently Hindustan Aeronautics Limited). Initially, the division was manufacturing Rolling Stock producing various models of Broad Gauge Coaches. Subsequently, over the years, the metro coaches and some of the defence products manufacture also has been added in this complex. The products manufactured at Bengaluru Complex are:

Rail & Metro

- Stainless Steel Metro Cars
- Passenger Coaches
- DC Electric Multiple Units
- AC Electric Multiple Units
- Overhead Equipment Inspection Cars
- Rail Bus
- Treasury Vans
- Spoil Disposal Units
- Track Laying Equipment
- Sky Bus
- MIL Rail Coaches
- Utility Track Vehicle (UTV)

Manufacturing Facilities

The complex has large sophisticated machines such as CNC Turning Center, CNC Boring machines, Vertical Turret lathes and Honing machines in addition to General purpose machines. The dedicated machines are:

Machine Shop

- Boring machines for Axle box
- AF / Axle Box spring seat machining
- Wotan internal grinding machine for Axle box
- Vertical turret lathe for Axle box machining
- Honing machine
- Flash butt welding machine for Brake Tension rod
- Hydraulic press 100 T for Bush pressing

Sheet Metal

A well-established Sheet metal shop has a band of special machines and dedicated machines

- Laser cutting machine
- NC shearing machine
- Punch press: 40 - 1000 T

- Press Brake: 40 - 500T

Material Preparation

- Optical tracer flame cutting machines
- CNC Flame cutting machine
- Shot blasting machine for (Rolled section & Plates)
- Shearing M/C to 30 mm capacity with inbuilt Beveling for weld joints

Sub Assembly

- Spot welding machine
- Shot blasting machine (Rotary & conveyor type)

Under Frame

- Foil Roll welding machine for welding of corrugated sheets used for Floor
- Corrugated rolling machine
- Plasma Cutting machine

Bogie

- Submerged Arc welding sets
- Check & straightening machine for Bogie components

Major Assembly & Erection Shop

- Robot Spot Welding Machine
- Roller bending machine for roof skins
- Foil Roll-Welding M/C for Roof, Side wall & End wall of Rail coaches
- Roof leak test facility

Pre-treatment & Painting Shop

- Conveyorised painting booth
- Shot Blasting facilities for Rolled Sections and plates

Coach Delivery Shop

- Lifting jacks of 16 T capacity
- Air brake testing equipments (4 numbers)
- Traversors of 75 T capacity (2 numbers)
- Water leak test facility for Metro cars

Dedicated Facilities

- 248 M Test track for Metro and AC-EMU testing
- Bogie testing machine up to 60 Ton capacity
- Well-established metrological laboratory for Quality products
- Well-laid Railway lines inside the production shops for smooth stage production
- Railway sidings for delivery of coaches and receipt of raw materials

Welding Fabrication and Associated Facilities

- Electrical resistance Foil Roll butt machines
- Electrical resistance spot welding machine
- Flash butt welding equipment
- Pulse tig-welding machine

- Auto and semi auto submerged Arc welding
- CO2 welding sets of capacity of 400 AMPS
- Thermal stress relieving furnaces
- Radiographic and Ultrasonic tests on welded structures

For further details please contact

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