

HCV dynamometer for Electric Bus Testing

- Heavy commercial dynamometer is required to testing electric, hybrid-electric, fuel cell buses
- Emission measurement Fuel consumption of xEV heavy commercial vehicles in which traction is through two power trains, i.e. engine and motor
- Performance and Characterization Test such as
 - Electrical Energy Consumption as per AIS 039 and ECE R101
 - Electric Range measurement as per AIS 040 and ECE R101
 - Power at Wheels as per AIS 041



HCV Specifications

- **Power Nominal Rating during Motoring & Absorption: 1500Hp (1119kW)**
- **Tractive Force Nominal Rating during Motoring & Absorption : 45000N**
- **Vehicle inertia range : 3500 to 50000 Kg**
- **Roller Diameter : 2500mm**
- **Torque & Inertia Response time <100ms**